STATE OF NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

DOCKET DE 19-064

IN THE MATTER OF: Liberty Utilities (Granite State Electric) Corp.

d/b/a Liberty Utilities

Distribution Service Rate Case

DIRECT TESTIMONY

OF

Jay E. Dudley Utility Analyst IV NHPUC

December 6, 2019

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1 I. INTRODUCTION AND QUALIFICATIONS

- 2 Q. Mr. Dudley, please state your full name and business address.
- 3 A. My name is Jay E. Dudley. My business address is 21 South Fruit Street, Suite 10,
- 4 Concord, NH 03301.

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- 6 Q. Please state your employer and your position.
- 7 A. I am employed by the New Hampshire Public Utilities Commission ("Commission") as a
- 8 Utility Analyst for the Electric Division.

- 10 Q. Please describe your professional background.
- 11 A. I started at the Commission in June of 2015 as a Utility Analyst in the Electric Division.
- Before joining the Commission, I was employed at the Vermont Public Service Board
- 13 (now known as the Vermont Public Utilities Commission, "VT-PUC") for seven years as
- a Utility Analyst and Hearing Officer. In that position I was primarily responsible for the
- analysis of financing and accounting order requests filed by all Vermont utilities,
- including review of auditor's reports, financial projections, and securities analysis. As
- 17 Hearing Officer, I managed and adjudicated cases involving a broad range of utility-
- related issues including rate investigations, construction projects, energy efficiency,
- 19 consumer complaints, utility finance, condemnations, and telecommunications. Prior to
- working for the VT-PUC, I worked in the commercial banking sector in Vermont for
- 21 twenty years where I held various management and administrative positions. My most
- 22 recent role was as Vice President and Chief Credit Officer for Lyndon Bank in
- 23 Lyndonville, Vermont. In that position I was responsible for directing and administering

the analysis and credit risk management of the bank's loan portfolio, including internal loan review, regulatory compliance, and audit. In performing those responsibilities, I also provided oversight for the commercial and retail lending functions with detailed financial analysis of large corporate relationships, critique of loan proposals and loan structuring, consultation on business development efforts, and advised the Board of Directors on loan approvals and loan portfolio quality. Prior to my role as Chief Credit Officer, I held the position of Vice President of Loan Administration. In this position, I was responsible for directing and administering the underwriting, processing, and funding of all commercial, consumer, and residential mortgage loans. My responsibilities also included the management of loan processing and loan origination staff and partnering with the Compliance Officer to monitor and ensure compliance with all banking laws, regulations, and the bank's lending policy. Previous to my position as Loan Administration Vice President, I held the position of Assistant Vice President of Commercial Loan Administration with Passumpsic Savings Bank in St. Johnsbury, Vermont. In that role, I was responsible for supervising loan administration and loan operations within the commercial lending division of the bank.

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Q. Please describe your educational background?

A. I received my Bachelor of Arts degree in Political Science from St. Michael's College.

Throughout my career in banking, I took advantage of numerous Continuing Professional

Education (CPE) opportunities involving college level coursework in the areas of
accounting, financial analysis, real estate and banking law, economics, and regulatory
compliance. Also, during my tenure with the VT-PUC I took advantage of various CPE

1 opportunities including the Regulatory Studies Program at Michigan State University 2 (sponsored by the National Association of Regulatory Utility Commissioners "NARUC"), 3 Utility Finance & Accounting for Financial Professionals at the Financial Accounting 4 Institute, and Scott Hempling seminars on Electric Utility Law. 5

Q. Have you previously testified before the Commission?

6 A. Yes. I previously submitted Staff testimony to the Commission in Docket No. DE 14-7 238 PSNH Generation Assets, Docket No. DE 15-137 Energy Efficiency Resource 8 Standard, Docket No. DE 16-383 Liberty Utilities Request for Change in Rates, and 9 Docket No. DE 17-136 2018-2020 NH Energy Efficiency Plan.

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II. **SUMMARY OF TESTIMONY**

Q. Please describe the purpose of your testimony today.

The purpose of my testimony is to provide Staff's recommendation involving Liberty A. Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities' ("Liberty" or the "Company") request filed on April 30, 2019, to implement a permanent distribution rate increase to be effective on and after July 1, 2019, pending the Commission's final determination on the Company's request for a permanent rate increase. Based on the reports of the Company filed with the Commission, and Staff's extensive review of the Company's revenue requirement, rate of return, and capital expenditures, Staff believes that a number of adjustments are warranted to the Liberty permanent rate proposal. Staff recommends that the Commission make the following modifications:

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1	•	• Liberty's proposed revenue requirement: \$6,673,493			
2	•	Staff's reduction to revenue requirement:	(\$6,535,503)		
3		Adjusted revenue requirement	\$ 137,990		
4	•	Liberty's proposed rate base:	\$103,024,219		
5	•	Staff's reduction to rate base:	(\$ 6,033,781)		
6		Adjusted rate base:	\$96,990,438		
7	In	n addition, Staff recommends denial of Liberty's proposed step increase of approximately			
8	\$2	\$2.3 million for 2019 and all subsequent proposed step increases, and Liberty's proposal for			
9	a	a multi-year rate plan.			
10	If	If the Commission allows a 2019 step increase, then Staff recommends that the Commission			
11	op	open a separate docket for the purposes of conducting an investigation of Liberty's capital			
12	bı	budgeting and planning process (after this case concludes), including a prudence review of			
13	individual capital projects that comprise Liberty's 2019 step increase request. Further, Staff				
14	recommends that the Commission consider hiring a consultant to perform a business				
15	processes audit concerning the 2019 capital investments, and otherwise assist Staff in that				
16	investigation.				
17					
18	III.	DISCUSSION OF PERMANENT RATE REQU	EST AND STAFF'S REVIEW		
19	Q.	What is the statutory foundation for a request fe	or permanent rates?		
20 21	A.	Permanent rates are specifically allowed pursuant t	o RSA 378:28 which reads as follows:		
22 23 24 25 26 27		378:28 Permanent Rates. – So far as possible, the applied by the commission in fixing and deter temporary rates. The commission shall not include plant, equipment, or capital improvement which commission to be prudent, used, and useful. No preclude the commission from receiving and commission from receivi	rmining permanent rates, as well as e in permanent rates any return on any the has not first been found by the othing contained in this section shall		

pertinent and material to the determination of a just and reasonable rate base and a just and reasonable rate of return thereon.

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Following the completion of the full proceeding, a "permanent rate" level is determined, and the difference between the temporary rate level and the permanent rate level is then reconciled through either collection from or refund to customers.

7 Q. Please describe Liberty's request for the permanent increase in rates.

8 According to Liberty, the Company has been unable to earn its authorized rate of return A. 9 under existing rates because of a deficiency in distribution revenue of \$5.68 million as of fiscal year-end 2018. As a result, Liberty's return on rate base for 2018, related to the 10 11 distribution portion of the business, declined to 6.43% as compared with the Company's authorized return of 7.49%. Liberty is seeking recovery of the \$5.68 million revenue 12 13 deficiency in permanent rates; however, to allow the Company to earn at least a portion 14 of its authorized return until the Commission makes its final determination on permanent 15 rates, the Company proposed a temporary rate increase of approximately 2.00%, or \$2,093,349 in additional distribution revenue.² After hearing and review, the 16 Commission approved a temporary rate increase of \$2,093,349 (the "June Order").³ In 17 18 terms of the permanent rate request, the permanent rate amount constitutes an annual 19 increase of 5.58% in distribution revenue, resulting in an increase to the total bill for the average residential ratepayer (650 kWh) of 6.27% or \$7.75 per month as of July 1, 2019, 20 including an increase in the Customer Charge of \$0.74.4 In addition, Liberty has 21 22 proposed a step increase intended to recover an annual revenue deficiency of

¹ On November 22, 2019, Liberty adjusted this amount to \$6.7 million. *See* Technical Statement of Philip E. Greene and David B. Simek November 22, 2019.

² Greene/Simek Testimony on Temporary Rates at 5 (Bates II 007).

³ Order No. 26,267, Docket No. DE 19-064, dated June 28, 2019.

approximately \$2,293,431 based on \$14,967,736⁵ in projected capital additions from

2 January 1 through December 31, 2019. The Company is requesting that the Commission

make the step increase effective at the time that permanent rates become effective

following the conclusion of this proceeding, but no earlier than January 1, 2020.

- Q. As part of this rate case, did Commission Audit Staff complete a financial audit of
 Liberty's books and records?
- 7 No. The Commission's Audit Staff is in the process of completing its audit and has not A. 8 My understanding from discussions with the yet issued a final audit report. 9 Commission's Director of Audit is that the final audit report will be issued by year-end 10 2019 (after the Company has had an opportunity to respond to draft audit findings). Staff plans to reflect the results of the final audit report in an updated revenue requirement 11 12 calculation to be completed in advance of the technical sessions/ settlement conference 13 scheduled for in mid-January.
- Q. Are you aware of any deficiencies encountered by Audit Staff during the course of the audit process and how do those problems relate specifically to issues raised in vour testimony?
- Yes. Based on discussions with the Audit Director, in reviewing Liberty's capital project costs, Audit discovered inaccuracies in the estimated budget amounts and also large budget variances for some projects. Audit also reviewed several projects for compliance with the Company's capitalization policy and noticed several instances of missing documentation in terms of Business Cases, Over Expenditure Forms, and Project

⁴ Heintz Testimony at 13 (Bates II-313) and Attachment DAH-3 at 2 (Bates II-333).

⁵ On June 21, 2019, in response the Staff data request 3-28, Liberty adjusted this amount upward to \$20 million due to the omission of three additional capital projects, increasing the step adjustment to \$2,860,886.

1 Closeout Reports not provided by Liberty. As we discussed below, these issues 2 constitute an ongoing area of concern for Staff.

3 Q. Is Staff proposing a decrease to Liberty's revenue requirements in this proceeding?

A. Yes. As noted above, please refer to the testimony of Ms. Mullinax in which she provides detailed support for Staff's recommended rate increase of \$137,989 which is \$6,535,504 less than Liberty's revenue requirement as contained in its updated request filed on November 22, 2019. My testimony below addresses adjustments to the Company's rate base.

Q. Is Staff convinced that its recommendations for disallowances in this case will provide just and reasonable results?

Α.

Yes. A key element of the just and reasonable standard, coupled with the statutory requirement that a utility's capital investments must be found to have been prudently incurred, is that the Commission must weigh the conflicting interests of both the utility and the ratepayer before finding the proposed rate is just and reasonable. In doing so, the Commission must measure what the public must reasonably pay against what the utility is reasonably entitled to receive. In the present docket, Staff's analysis indicates that Liberty overstated its revenue requirement by \$6.5 million, and to allow such a requirement into rates would be unjust for Liberty's ratepayers. In addition, the Commission's expectation that a utility's investments are prudent, as directed by the statutory requirement referenced above, also rests on the just and reasonable standard such that imprudent expenditures are inconsistent with the standard and should be disallowed. As a result, Staff has found that approximately \$6 million in capital investments and related cost overruns, and approximately \$20 million in current capital investments for 2019, were not adequately explained or justified by the Company and that ratepayers should not be required to pay those costs.

1 IV. LIBERTY'S CAPITAL EXPENDITURES: HISTORICAL PERSPECTIVE

2 Q. What explanation does the Company provide for the claimed downward pressure

on its rates of return?

Α.

A. Liberty testifies that the primary driver behind the need for an increase in rates is approximately \$36 million in capital investments made by the Company since December 31, 2016.⁶ In the period immediately after Liberty's acquisition of Granite State Electric in 2013, and prior to Liberty's last rate case in 2016, Liberty had invested \$50 million in capital additions and improvements. At the time of Liberty's last rate case, Staff expressed concern about this level of investment given that Liberty's load growth had increased very little during that same time period.

11 Q. Why are Liberty's capital investments under Staff's review in this rate case?

First, regulated electric utilities are some of the most capital-intensive entities that exist given the substantial amount of capital investment that is required to build and maintain reliable infrastructure. As a result, the significant and ongoing nature of those investments are frequently the primary causes for utilities to request periodic increases in rates. However, unlike unregulated competitive firms, regulated utilities, because they are regulated, cannot just pursue any investment strategies available that maximize shareholder value. Regulators must find that such expenditures are prudent, just and reasonable, and used and useful. As cited above, Liberty's primary justification for the current rate increase request is the downward pressure additional capital expenditures have placed on the Company's revenues and rates of return.

Second, during the course of Staff 's review in Liberty's prior rate case, Docket DE 16-383, Staff found disparities between budgeted amounts and actual expenditures reported

by the Company to be both numerous and significant in size, especially the costs incurred in 2014, raising questions as to whether the Company was sufficiently diligent in controlling those costs. Given the increasing number of variances at that time (approximately 42 out of 100 projects funded in 2014, and 49 out of 90 projects funded in 2015), which in several instances increased originally budgeted costs several times over, and given that Liberty provided little in the way of specific information as to root causes or how the Company decided that those overages were economic, Staff was unable to determine that Liberty took appropriate measures to control costs or that Liberty's decision-making process was reasonable or in the interest of ratepayers. Ultimately, Staff recommended a disallowance of \$5.8 million in cost overruns in DE 16-383. That case was resolved by a Settlement Agreement, which the Commission approved.

Q. Did additional information come to Staff's attention during the prior rate case (DE 16-383) that re-enforced Staff's concerns involving Liberty's capital investments?

Yes. In Docket No. DG 14-180 Liberty Utilities (EnergyNorth Natural Gas), a prior rate case filed in 2014 by Liberty's New Hampshire natural gas utility EnergyNorth Natural Gas ("EnergyNorth"), the Commission authorized a company-wide audit to review the "effectiveness and efficiency" of Liberty's business processes, including among other areas, Liberty's business planning and budgeting. ⁸ As referenced in that Order, Staff's concerns involved the Company's operational performance after the transition from National Grid, especially in the areas of customer service, IT, and capital budgeting and expenditures. The audit assignment was awarded to Liberty Consulting Group ("LCG")

Α.

⁶ Greene/Simek Testimony on Permanent Rates at 5 (Bates II-081).

⁷ See Docket DE 16-383, Exhibit 11, Testimony of Jay E. Dudley at 8-11 (Bates 9-12).

⁸ See Docket No. DE 14-180, Order No. 25,797 of 6/26/15 at 15.

August 12, 2016.9 2 3 O. At that time, what elements of the LCG report did Staff consider relevant to its 4 review of Liberty's capital expenditures in the rate case? 5 Staff found most of the findings of the LCG report troubling. One important issue, Α. 6 centered on LCG's review of Liberty's planning and budgeting process, and associated 7 capital expenditures, contained at pages III-1 through III-30 of the LCG audit. An 8 excerpt of that section of the report is attached to my testimony as Attachment JED-1. 9 Specifically, the audit report underscored and confirmed many of the same issues 10 encountered by Staff during discovery in DE 16-383, including but not limited to: 11 a) Extremely large variances between budgeted and actual capital expenditures in 12 2014. 13 b) Capital budget variances that continued into 2015 and 2016. 14 c) Lack of detailed explanations supporting and justifying those variances. 15 d) Significant lags in timing between capital budget approval and actual capital 16 expenditure analysis. 17 e) The commencement of capital projects well in advance of project analysis and 18 approval by management. 19 f) Project proposals (business cases) that lacked sufficient detail and content and 20 failed to conform to internal policy and procedures. 21 g) Failure by management to effectively monitor and control capital spending.

in 2015 and LCG released its Management and Operations Audit of Liberty Utilities on

⁹ It should be noted that the audit covered both the operations of Granite State Electric and EnergyNorth.

h) No evidence that Liberty observed or followed Good Utility Practice in its capital
 budgeting and planning process.

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- Q. Have these characteristics reappeared in other subsequent rate cases filed by Liberty?
- 5 Yes. In Docket DG 17-048, EnergyNorth filed a petition for an increase in permanent Α. 6 gas rates that included a decoupling mechanism, recovery of capital investments, and a 7 step increase, similar to the request filed by Liberty in the present rate case. During 8 Staff's review at that time, Staff discovered substantial cost increases related to the 9 construction of the new Concord Training Center which more than doubled the original 10 cost estimate of \$1.02 million to \$2.3 million. Upon completion of Staff's examination of that project, Staff concluded that both the construction and the cost overruns for the 11 12 training center were not supported by sufficient financial/economic analysis, credible cost 13 estimates, adequate consideration of alternatives, or reasonable decision-making by Liberty's management. 10 In fact, many of the same deficiencies in documentation found 14 15 by Staff in DE 16-383 and this current electric case were also discovered by Staff in the 16 Ultimately, based on the considerable evidence presented, Staff gas rate case. 17 recommended disallowance of the training center costs and the Commission disallowed 18 \$1.25 million of those costs from inclusion in the rate base. 11
 - Q. With the filing of the rate case in the current docket, and in light of the previous concerns and evidence involving Liberty's deficient capital planning and budgeting practices, has Staff noticed any improvements in the Company's processes since that time?

¹⁰ See Docket DG 17-048, Testimony of Al-Azad Iqbal, Exhibit No. 18 at Bates 19-27.

¹¹ Docket DG 17-048, Order No. 26,122, dated April 27, 2018, at 19-26, and Appendix 1 at 10.

1 A. Noticeable improvements have been few. One positive development observed by Staff 2 was the introduction by Liberty of a new and improved policy and procedures manual for 3 capital expenditures, the "Liberty Way Policy & Procedures" dated October 23, 2018 4 (attached as Attachment JED-2), which better defines the capital budgeting and planning 5 process and also provides a more comprehensive business case design in terms of project 6 analysis. In addition, the occurrence of cost overruns has decreased since 2016, however, 7 the variances for many individual projects remain significant as outlined below. 8 Nevertheless, as discussed below, most of the recommendations made by LCG for 9 improving the capital planning and budgeting process at Liberty have been largely 10 ignored.

11 Q. Please briefly summarize the capital budgeting process at Liberty.

A. The capital budget process for Liberty begins in August of each year with the preparation and submission by Liberty Utilities Regional Management of the Long Term Capital Expenditure Plan that is incorporated into Algonquin Power and Utilities Corporation's (APUC) Corporate Long Term Model. Inclusion of preliminary Business Case and Capital Project Expenditure forms for each project are recommended in Liberty's policy and procedures for this stage of the process. With submission of the Long Term Expenditure Plan, the related capital budget is set and approved by the APUC Board and Regional Liberty management is responsible throughout the successive year for planning and overseeing the projects that fall within the capital budget. A five-year capital budget forecast is also part of the Expenditure Plan. A flow chart depicting the budget

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¹² Attachment JED-2 at 7.

¹³ Staff learned in the Technical Session held on 10/16/19, that Liberty does not include any business cases in support of its capital budget sent to the APUC Board.

¹⁴ Attachment JED-2 at 7.

1 preparation and approval cycle is included as Appendix G of the Liberty Way Policy & Procedures. 15 In addition, the policy and procedures requires the preparation of a 2 3 "Business Case" and/or a "Capital Project Expenditure" form for each budgeted project, 4 and a "Change Order" form to request changes to project scope and budget amounts. The 5 policy and procedures sets out specific information requirements for each of these forms. 16 6 7 What internal documentation from Liberty did Staff examine as part of its review? Q. 8 As part of Staff Data Request 9-3 (Attachments JED-3, 3a, and 3b to my testimony), Staff Α. 9 sought to obtain and review the following documents involving a specific sampling of 10 projects from 2017 and 2018: a. Business Cases and/or Capital Expenditure Request forms 11 12 Change Order forms 13 **Project Close-out Reports** 14 Work orders 15 Over Expenditure Applications (pre-2018) 16 Monthly Capital Reports/ Monthly Cash Spend Reports f. 17 Monthly Operations Review 18 h. Meeting agendas and minutes of the Financial Planning and Analysis Group 19 As referenced below, not all of the requested documentation was submitted or made 20 available by Liberty. In addition, Staff's review of some projects was hampered by the 21 Company's excessive and unexplained delays in submitting additional follow-up

responses from the October Technical Sessions.

¹⁵ *Id* at 35.

¹⁶ *Id* at 11-14.

Q. What issues did Staff discover in its review of Liberty's capital budgeting?

A. As was the case in DE 16-383, Staff found that the cost estimates contained in the capital budgets were consistently inaccurate, especially for blanket projects and large complex projects, and that the capital planning and budgeting process itself appears to be ad hoc with Liberty management providing only cursory oversight and monitoring as projects progress to completion. For example, from the initial budget phase through project startup, local management is given a high level of discretion in terms of capital budget tolerances and accuracy with ranges as wide as +100%/-50% for investment grade projects.¹⁷ The LCG report found this to be unusually broad when compared with similarly situated utilities and that more reasonable tolerances tend to be in the 5 percent to 10 percent range. 18 In addition, project analysis documentation such as Business Cases and Capital Project Expenditure forms are not included with the annual Expenditure Plan submitted to APUC, indicating that budgets are approved with little scrutiny of specific projects by upper level management and the Board of Directors. Staff also found little evidence that Liberty considered or utilized basic capital budgeting techniques such as the identification of alternatives and dependencies among alternatives, least cost planning, or risk identification for any of the over-budget projects reviewed in the sample below. It also appears from a review of Liberty's monthly capital spending reports that APUC imposes little in the way of restrictions or cost controls on the level of capital expenditures undertaken by the Company. Similarly, it appears that Liberty Regional Management provides only cursory oversight and monitoring of the capital budgets during the course of the year since they receive the same monthly reports. In

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¹⁷ *Id* at 12.

¹⁸ Attachment JED-1 at III-29.

1		addition, as noted below, most of the over-budget projects reviewed by Staff were not
2		specifically tracked by these reports.
3	Q.	What conclusion does Staff draw from the historical perspective discussed above
4		involving Liberty's past and present practices and approaches to capital planning,
5		budgeting, and expenditures?
6	A.	Given that the same issues and deficiencies have occurred repeatedly since Liberty's
7		acquisition of Granite State Electric from National Grid, and the fact that few or no
8		improvements in these processes have been evident, Staff concludes that this ongoing
9		state of affairs establishes a pattern of conduct and business dealings by Liberty that are
10		detrimental to ratepayers and not in compliance with the just and reasonable standard.
11		
12	V.	FINDINGS: REVIEW OF CAPITAL PROJECTS SAMPLE AND COST OVER
13		RUNS FOR 2018 AND 2017
14	Q.	What specific projects did Staff include in its examination?
15	A.	Staff compiled sample lists (attached as Attachments JED-3a and JED-3b) of projects
16		with cost over runs for 2018 (9 projects) and 2017 (6 projects) from a master list of
17		capital projects provided by Liberty in response to Staff Data Request 1-2 (attached as
18		Attachment JED-4). The list of sample projects for 2018 and 2017 are provided in the
19		table below:
		table below.
20		tuble below.
2021		tuble below.
		tuble below.

2	Project No.	<u>Description</u>	Budget	Actual	Variance
3					
4	8830-1832	Replace 6L2 No. Main Hanover	\$1,100,000	\$1,295,593	\$195,593
5	8830-C42930	Install Service to Tuscan Village	\$400,000	\$674,260	\$274,260
6	8830-C18620	Charlestown 32 Dline	\$250,000	\$354,751	\$104,750
7	8830-1827	IT Systems Allocations-Corp	\$270,500	\$361,643	91,142
8	8830-1830	Misc. Capital Imprv. Londonderry	\$35,000	\$60,650	\$25,649
9	8830-1864	Rockingham Substation	\$200,000	\$1,568,870	\$1,368,869
10	8830-PE	Preliminary Engineering	\$0	-\$1,497,946	\$1,497,945
11	8830-1865	Rockingham Sub Transmission	\$300,000	\$575,354	\$275,354
12	8830-C36426	SCADA Distribution & Auto.	\$90,000	<u>\$171,930</u>	<u>\$81,930</u>
13	Total		\$2,645,500	\$3,565,105	\$919,602

Table 2: 2017 Sample Projects

16	Project No.	<u>Description</u>	Budget	<u>Actual</u> <u>Variance</u>	
17					
18	8830-CD0291	Sky View URD	\$21,286	\$70,683 \$49,394	
19	8830-C18603	Bare Conductor Replacement	\$1,300,000	\$1,784,038 \$484,038	
20	8830-C18620	Charlestown 32 Dline	\$316,992	\$500,281 \$183,289	
21	8830-C36424	Mt. Support New 16L3 Feeder	\$275,000	\$467,936 \$192,936	
22	8830-1867	Rockingham Sub Transmission	\$50,000	\$175,504 \$125,504	
23	8830-C42921	Install Splices 6L2 &6L4	\$111,562	<u>\$203,305</u>	
24	Total		\$2,074,840	\$3,201,747 \$1,127,444	

As referenced above, all of the internal documentation obtained from Liberty, was reviewed by Staff in connection with each of these projects. However, for the purposes of my testimony, only three of the projects from 2018 and two from 2017 will be discussed here as representative of the Company's deficiencies in the areas of capital budgeting, planning, documentation, and execution.

Q. Please provide the results of Staff's review of those projects.

A. Below we provide our findings for the sample projects based on Liberty's responses to Staff Data Request 9-3, and data requests TS 1-13, TS 1-15, TS 1-16, TS 1-17, TS 1-18 (the 2018 projects respectively attached as Attachments JED-3c, 3d, 3e, 3f, and 3g), and

1 data requests TS 2-4, TS 2-6, TS 2-7, TS 2-8, TS 2-9, TS 2-10 (2017 projects 2 respectively attached as Attachments JED-3h, 3i, 3j, 3k, 3land 3m). 3 Note: The Business Cases and Capital Project Expenditure Applications (CPE) are 4 separate forms but are typically incorporated into a single document package when both 5 are required under Liberty's policy and procedures. 6 **2018 Capital Projects** 7 Project #8830-1832 Replace 6L2 Direct Buried Cable No. Main St. Hanover 1. 8 **Attachment JED-3d** 2018 Budget: \$1,100,000 9 Actual: \$1,295,593 Variance: \$195,593 10 **Revised:** Actual: \$1,295,593 Variance: \$1,070,593 \$225,000 11 Business Case/CPE: 12 This project involved the removal and replacement of approximately 1600 13 feet of 500 XLPE AL cables along North Main Street in Hanover, NH. 14 Liberty asserts that this type of underground cable is prone to failure but at the Technical Session held on October 16, 2019, Liberty was unable to 15 16 identify specific instances of failure of the XLPE AL cables elsewhere 17 within Liberty's service territory. Nor could the Company provide in the 18 follow-up data response any specific documentation evidencing failure or 19 failure rates in Liberty's service territory. 20 The Business Case was dated October 8, 2017, but was not signed by 21 authorized signers until November 30, 2017. 22 Both the Business Case and the attached CPE set the approved budget 23 amount at \$225,000 which conflicts with Table 1 above where Liberty

reported the original budget amount to be \$1.1 million.¹⁹ At a Technical Session held on October 16, 2019, the Company attributed this disparity to a correction and update to the original cost estimate which appears to be the amount of the cost increase of \$1.07 million referenced in the Change Order Form described below. However, because the \$225,000 amount is referenced on all of the documentation submitted by Liberty, Staff will consider this amount as the original budget figure for this project.

No detailed analysis or decision criteria are provided in the sections addressing Alternatives/Options, Financial Assessment, and Risk Assessment as required under Liberty's Policy & Procedures. Instead the word "None" is inserted in these sections. The Implementation/Action Plan section merely states that "construction will take place under individual job numbers." Likewise, the Cost Estimate section of the CPE provides no discussion or detail on the nature of the estimate, timing of spending per quarter, or risks associated with the estimate. Also, the section for Analysis of Project Value is blank except for citing the budget amount of \$225,000.

Change Order Form:

 This change order request was dated March 19, 2019 and approved on March 31, 2019, three months after the project completion date of December 31, 2018. This runs contrary to the apparent intent of the form as described in the Policy & Procedures since engagement of management

¹⁹ Liberty's Form E-22 Report, filed with the Commission February 28, 2018 pursuant to Puc 308.07, shows the original budget as \$225,000.

for approval, and alerting management to cost overruns, should have been sought during the course of the project either before or at the time the changes occurred. This after-the-fact notification undermines the purpose of the form.

The Financial Assessment section of the form only provides the original budget amount of \$225,000, the amount of the requested increase of \$1.07 million, and the new cost figure of \$1.295 million. There is no breakout within the cost categories between original costs and updated costs as required on the form. The Basis for Change section provides no detailed analysis or justification for the increase, or why it was authorized, other than the need to "accommodate expected construction costs" and "additional construction oversight was needed." At the Technical Session held on October 16, 2019, Liberty represented that the project was complicated by road work being conducted by the Town of Hanover at or about the same time, and also by the degradation of some manholes, but Liberty provided no analysis as to how much that road work or manhole construction contributed to the cost increase referenced in the Change Order. In their pre-filed testimony, Mr. Rivera, Mr. Strabone, and Ms. Tebbetts state that the underground cables were relocated but this apparent complication is not discussed or explained in the project documentation or in the data responses provided by Liberty.²¹

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²⁰ See Attachment JED-2 at 11-12, and 16-22.

²¹ Testimony of Rivera, Strabone, and Tebbitts at 7-8 (Bates II-185 - II-186).

- In the Schedule Impacts sections, "N/A" was inserted for Baseline Schedule, New Forecast, and Variance.
- This report was not provided by Liberty in the Company's response to Staff 9-3 as requested by Staff. Instead it was provided in a follow-up request, Staff TS 1-15 (approximately two months after it was originally requested.

Project Close Out Report:

- The Project Documentation Checklist in Section 3 of the form is essentially blank in terms of key documents except for a reference to the Business Case. According to Liberty's data response in TS 1-20 (Attachment JED-8), Liberty apparently believes this section of the form to be superfluous and unimportant since the Business Cases provide all of the necessary information.
- Under the Project Lessons Learned section in Section 5, "N/A" was inserted in the parts involving Problem Statement, Problem Description, References and Recommendations, despite the apparent problems encountered by Liberty with this project. As a result, no root cause analysis addressing project difficulties and the reasons for the cost overrun were provided.
- In Section 8, Project Cost Summary, Liberty erroneously refers to the original budget amount as \$1.295 million which was actually the total cost for the project. As a result, Liberty incorrectly represents that the cost

variance for the project was \$0. Similarly, under Reasons for Variance,
the Company reports "No variance between actual and budget."

Work Orders:

- Copies of individual work orders were not provided for this project. Instead Liberty enters all of the work order information into an Excel spreadsheet and Liberty provided that spreadsheet in its data response. Upon review, Staff noticed that underground construction costs of approximately \$900,000, including underground conductors and devices, appeared to be excessive given that only 1600 ft. of cable was replaced. Manhole replacements typically run in the range of \$30,000 to \$35,000 per manhole. Staff estimates that the maximum number of manholes for this length of cable would be approximately five resulting in a total cost (on the high side) of \$175,000.
- The work orders also show that supplemental engineering was apparently required late in the project (September) at a total cost of \$220,000.
- After including burdens, labor, and all other costs, the total cost of the project came to \$1.3 million.

Monthly Capital/Spend Reports, Meeting Agendas:

- The 6L2 Buried Cable Replacement project in Hanover, and associated cost overruns, was not one of the projects mentioned or tracked in these reports.
- The reports provide only a high level review of gross capital budget amounts in a single chart comparing capital dollars spent to budget, and includes no analysis.
 Only a few select, high profile projects for both the electric and gas divisions are tracked with their own budget schedules.

• Due to the high level nature of these reports, they provide no information as to the degree of oversight, attempts at cost containment (if any), or the thought or decision-making process on the part of upper level management concerning overbudget projects. Because the reports focus on overall levels of spending (both electric and gas), APUC appears to be more concerned with budget overruns on the macro level as opposed to individual projects.

Based on the dates of the reports, in some instances there was a time lag of two
months between the creation of the monthly capital spending updates and review
by APUC (e.g. the February 2018 update was provided for the April meeting, and
the July 2018 update was provided for the September meeting) indicating a lack
of timely review by management.

2. Project #8830-1864 Rockingham Substation Attachment JED-3c

Budget: \$200,000 Actual: \$1,568,870 Variance: \$1,368,870

Project #8830-PE Preliminary Engineering

Budget: \$0 Actual: -\$1,497,946 Variance: \$1,497,946

Business Case/CPE:

Note: The two projects listed above are apparently interrelated in that the negative amount of -\$1,497,946 for Project 8830-PE works as an adjustment to the amount of \$1,568,870 for Project 8830-1864 presumably to net out other costs for the Rockingham Substation but this was not clearly explained in the Business Case or any of the other documents submitted by Liberty. The Business Case and the CPE both set the preliminary engineering budget at \$100,000 even though the budget amount listed above by Liberty was \$200,000.

• The \$1.5 million portion of the actual cost for the Rockingham Substation involves the purchase of 1.4 acres of land located at the former Rockingham Park site in Salem, New Hampshire. This amount was not included by the Company in its 2018 test year rate base but instead was booked to "Plant held for future use." According to Liberty, the substation project is a key part of Liberty's overall buildout plan to serve the additional load forecasted for the Tuscan Village development (see Step Adjustment discussion below). Liberty plans to begin construction at the site in 2020. The Company did not report the land purchase as part of its 2018 E-22 report with the Commission nor did it disclose the purchase in the jointly filed testimony of Mr. Rivera, Mr. Strabone, and Ms. Tebbetts.

- The Business Case was dated February 16, 2018, indicating that it was apparently submitted for approval well after the annual budget review and approval by APUC.
- The Business Case/CPE makes no reference to the land purchase and thus provides no economic analysis or analysis of alternatives to support the transaction. Given the date of the Business Case, February 2018, and the date of the Purchase and Sale Agreement, December 2017 (see below), it is clear that the land purchase was known to Liberty at the time of project proposal and design. Also, only minimal analysis for construction of the substation is provided with a reference made to the Salem Area Study for more detailed information.²³ Consequently, Staff made inquiries about the project and the land purchase at the Technical Session held on October 16, 2019. At the tech session, Liberty

²² See Attachment JED-3c, Staff data response 5-14.

²³ The Salem Area Study is attached to Mr. Demmer's testimony as Attachment KFD-5.

witnesses reiterated the need for both the substation and the land purchase but, when asked, did not provide specific details about the need for both the substation and the land. Liberty provided the following supporting documentation in their follow-up data response (attached as Attachment JED-3c):

- a) Purchase and Sale Agreement: The agreement is dated December 2017 between Rock Acquisition, LLC and Liberty Utilities Corp. for 1.4 acres of vacant land within the "Tuscan Village Project," including the grant of an easement over Tuscan Village property to access the lot. The agreement is conditioned upon Liberty obtaining a subdivision permit from the Town of Salem, at Liberty's expense, indicating that the lot was not part of a previously existing subdivision prior to the sale. As noted above, the purchase price was \$1.5 million. Importantly, under Section 20 (a) "Construction Obligations," Liberty agrees to construct at its "sole cost and expense, the Substation which will provide adequate electrical service to the Tuscan Village Project..," indicating that Tuscan Village, as the primary beneficiary of the project, will not be contributing to the costs of the substation project.
- b) Appraisal Report: The Appraisal Report is dated July 13, 2017, and lists the market value of the property at \$925,000. Staff inquiries with the Town of Salem's Tax Assessor's Office revealed that the tax assessed value for 2018 was \$813,200. The appraisal describes the lot size as a "hypothetical 1.23± acre lot" due the fact that the lot had not yet been subdivided from the larger 120 acre Tuscan Village development at the

time of the appraisal. The lot currently lacks existing road frontage and will be accessed from a private road that will be built in conjunction with the rest of the Tuscan Village development.

- c) Alternative Sites: In response to subpart of d. of Attachment JED-3c, no documentation or analysis involving Liberty's consideration of alternative sites was provided by Liberty. As mentioned above, no analysis of alternative sites was included in any of the Business Case documentation reviewed. As a result, Staff can only conclude that no analysis of alternative sites was undertaken by Liberty at the time of the land purchase from Tuscan Village.
- d) APUC Involvement and Approval: Based on the Company's response to subpart e. of Attachment JED-3c, Staff concludes that there were no communications or discussions with upper management concerning the land purchase. According to Liberty, approval of the Business Case and Change Order was all that was needed for approval even though the Business Case/CPE provided no description or analysis of the land transaction.
- e) Salem Depot Substation: The Salem Depot substation is an existing substation owned by Liberty located near the corner of Main Street and Central Street in Salem, New Hampshire. The existing lot consists of two adjoining lots totaling 0.58 acres with a total tax assessed value of \$190,000. According to Liberty, Salem Depot is to be replaced by the Rockingham Substation project and will be taken out of service once the

Tuscan Village project is complete and Rockingham Substation is energized.²⁴ In response to subpart g. of Attachment JED-3c, Liberty did not provide a detailed analysis, as requested by Staff, showing why Salem Depot was not considered a viable alternative site for the Rockingham Instead, Liberty merely states that it needs 1.5 acres to accommodate the new substation and the storage of large equipment.²⁵ Staff reviewed the submitted site plans and other maps for Rockingham and Salem Depot, and Staff conducted a site visit of both locations on November 19, 2019.²⁶ Photos from that site visit are attached as Attachment JED-5. As a result of that review, Staff witness Kurt 10 Demmer, concluded that ample room currently exists at the Salem Depot 12 site to accommodate expansion to support of the Tuscan Village development. Also, as discussed in Mr. Demmer's testimony, construction 13 14 of Rockingham Substation is based largely upon load growth that was over-estimated by Liberty as indicated by current load experienced at the 15 finished northern portion of the Tuscan Village development (which is 16 presently 1MW).²⁷ For the reasons stated above, it is apparent that Liberty 17 did not employ least cost planning in terms of reusing and expanding the 18 existing Salem Depot site as an alternative to purchasing real estate (at a

²⁴ See Salem Area Study attached to Mr. Kurt Demmer's testimony as Attachment KFD-5; and Rivera/Strabone/Tebbetts Testimony at 11 (Bates II-189).

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²⁵ At the Technical Session held on October 16, 2019, Liberty disclosed that initially the development owner, Rock Acquisition LLC, did not want the Rockingham Substation located at the Tuscan Village site. How this impasse was eventually overcome by Liberty during the course of negotiating the sale was not explained.

²⁶ There also exists a vacant lot abutting the Salem Depot location that once served as the location for a restaurant which was recently destroyed by fire. The lot appears to be available for other development. It is not known whether Liberty explored purchasing this lot.

²⁷ Demmer Testimony at 26-27.

premium, *i.e.* above appraised and assessed value) and constructing a new substation. As a result, Staff does not believe Liberty has supported the need to build a new substation or the land purchase costs needed for the project.

Contributions in Aid of Construction (CIAC): Despite the fact that the Tuscan Village project is the primary beneficiary of the Rockingham substation, it appears that the owners did not offer to contribute the land for the new substation nor did they offer to sell the land at a discount.²⁸ Liberty provided no insight as to whether these issues were discussed as part of the negotiation of the land purchase. In addition, it appears that Tuscan Village is contributing little (\$752,982 to date²⁹) towards Liberty's costs of expansion (estimated at \$20 million) to accommodate the overall Tuscan development, indicating that most of those costs will be borne by Liberty's ratepayers (see discussion of Project #8830-1865 below). In response to subpart i. of Attachment JED-3c, Liberty states that CIAC only applies to line extensions.

Change Order Form:

• This change order request was dated March 19, 2019 and approved on March 31, 2019, more than six months after the land purchase had been finalized. Again, this runs contrary to the intent of the form as described in the Policy & Procedures and is another example of management's apparent disengagement in terms of large capital investments and the limited scrutiny of those investments.

²⁸ See footnote 24 above.

²⁹ See Attachment JED-3c, Staff data response 5-14.

• The Financial Assessment section of the form only provides the original budget amount of \$100,000 and the additional amount needed for the land purchase which was inputted as \$1.4 million. The Basis for Change section provides no detailed analysis or justification for the increase, or why it was authorized, other than the cost of the substation parcel of \$1.5 million was "transferred" to this project.

- In the Schedule Impacts sections, "N/A" was inserted for Baseline Schedule, New Forecast, and Variance.
- This report was not provided by Liberty in the Company's response to Staff 9-3 as requested by Staff. Instead it was provided in a follow-up request, Staff TS 1-13 (again approximately two months after Staff initially requested the report).

Project Close Out Report:

- The Project Documentation Checklist in Section 3 of the form is essentially blank in terms of key documents except for a reference to the Business Case. Again, as noted above, Liberty apparently believes this section of the form to be superfluous and irrelevant in terms of complying with the purpose of the form.
- Under the Project Lessons Learned section in Section 5, "N/A" was inserted in
 the parts involving Problem Statement, Problem Description, References and
 Recommendations. It is under this section that Staff would expect to see some
 discussion and analysis as to why the Salem Depot site was determined by
 Liberty not to be a viable alternative site.
- In Section 8, Project Cost Summary, Liberty erroneously refers to the original budget amount as \$1.568 million which was actually the total cost for the

1 project. As a result, Liberty incorrectly represents that the cost variance for the 2 project was \$0. Similarly, under Reasons for Variance, the Company reports "No variance between actual and budget." 3 4 Work Orders: 5 The work order spreadsheet provided by Liberty shows adjustments in the amount 6 of \$1.5 million for the purposes of reclassifying the land purchase and transferring 7 it from Project No. 8830-1865 (referenced below). 8 The work orders show a total expense for Station Equipment of \$45,428. 9 Monthly Capital/Spend Reports, Meeting Agendas: 10 The Rockingham Substation project, and the \$1.5 million land purchase, are not 11 specifically mentioned or tracked in these reports. 12 13 3. **Project #8830-1865** Rockingham Substation Transmission Lines 14 **Attachment JED-3e** 15 **Budget: \$300,000 Actual: \$575,354** Variance: \$275,354 16 Revised: \$200,000 **Actual: \$602,418** Variance: \$402,418 17 Business Case/CPE: 18 This project involved the design and site planning for the construction of two 115 19 kV transmission lines from Golden Rock substation to the new Rockingham 20 substation at Tuscan Village based on the recommendations of the Salem Area 21 Study which projects an increase in Liberty's load of approximately 14 MW's due to the Tuscan development project. As discussed in Mr. Demmer's testimony, 22

this project is both unneeded and unnecessary due to the fact that load growth in

the Salem area can be reliably served by modifying the existing 23 kV system, and because the projected load is speculative in nature.³⁰ As Mr. Demmer points out, the Salem Area Study did not consider improvements to the existing 23 kV system as among the available alternatives.³¹

- The Business Case was dated February 16, 2018, but was not signed by authorized signers until March 27-31, 2018.
- Both the Business Case and the attached CPE set the approved budget amount at \$200,000 which conflicts with the figure Staff obtained and used in Table 1 above (Liberty reported the original budget amount to be \$300,000). Because the \$200,000 amount is referenced on all of the documentation submitted by Liberty, Staff considers this amount to be the original budget figure for this project.
 - No detailed analysis or decision criteria are provided in the sections addressing Alternatives/Options, Financial Assessment, and Risk Assessment as required under Liberty's Policy & Procedures, except for a brief reference to the Salem Area Study and reiteration that the project involves engineering and design. The Implementation/Action Plan section merely states that "construction will take place under individual job number in future years." Likewise, the Cost Estimate section of the CPE provides no discussion or detail on the nature of the estimate, timing of spending per quarter, or risks associated with the estimate except for a reference to "\$100,000 to perform detail engineering." Page 5 of the CPE was omitted which includes relevant sections on alternatives evaluation, risk analysis,

³⁰ Demmer Testimony at 26-27.

³¹ Id.

³² Liberty's Form E-22 Report, filed with the Commission February 28, 2018 pursuant to Puc 308.07, does not list this project.

safety, decision making process, and Financial Summary, thus Staff was unable to review those sections.

Change Order Form:

- This change order request was dated March 19, 2019 and approved on March 31, 2019, three months after the project completion date of December 31, 2018. Like other change orders reviewed for other projects in the sample group, the late submission this form runs contrary to its intent as described in the Policy & Procedures since engagement of management for approval, and alerting management to cost overruns, should take place during the course of the project either before or at the time the changes occurred. This after-the-fact notification essentially obviates the need for and the purpose of the form.
 - The Financial Assessment section of the form only provides the original budget amount of \$200,000, the amount of the requested increase of \$402,418, and the new cost figure of \$602,418. There is no breakout within the cost categories between original costs and updated costs as required on the form. The Basis for Change section provides no detailed analysis or justification for the increase, or why it was authorized, other than additional costs "due to completion of additional tasks such as LiDAR, Staking of structures in ROW; Borings in ROW for proposed structures; Preparation of Construction Cost Estimate and Preparation and submittal of necessary forms to obtain ISO-NE Approval;" all of which are costs that should have been anticipated, analyzed, and accounted for at the time of the initial estimate. When asked in the data request (Staff TS 1-16c)

to explain these costs, Liberty merely referred Staff back to this section of the form.

- In the Schedule Impacts sections, "N/A" was inserted for Baseline Schedule, New Forecast, and Variance.
- This report was not provided by Liberty in the Company's response to Staff 9-3 as requested by Staff. Instead it was provided in a follow-up request, Staff TS 1-16 (two months after being requested).

Project Close Out Report:

- The Project Documentation Checklist in Section 3 of the form is essentially blank
 in terms of key documents except for a reference to the Business Case.
 According to Liberty's data response in Attachment JED-8, Liberty apparently
 believes this section of the form to be superfluous and unimportant since the
 Business Cases provide all of the necessary information.
- Under the Project Lessons Learned section in Section 5, "N/A" was inserted in the parts involving Problem Statement, Problem Description, References and Recommendations, despite issues encountered by Liberty during implementation of the project. As a result, no root cause analysis addressing those issues and the reasons for the cost overrun were provided.
- As Staff had observed in other Project Close Out Reports, in Section 8, Project
 Cost Summary, Liberty erroneously refers to the original budget amount as
 \$602,418 which was actually the total cost for the project. As a result, Liberty
 incorrectly represents that the cost variance for the project was \$0. Similarly,

under Reasons for Variance, the Company reports "No variance between actual 1 2 and budget." 3 Work Orders: 4 The work order spreadsheet provided by Liberty shows accounting adjustments 5 related to the land purchase, including the \$1.5 million purchase and 6 approximately \$200,000 other related costs, for the purposes of reversing and 7 reclassifying the land purchase to project number 8830-1864. 8 The spreadsheets also show costs associated with overhead conductors, poles, and 9 devices totaling approximately \$440,000. 10 Liberty Utilities Service Corp. burden charged to Liberty was \$10,690. After including burdens, labor, and all other costs, the total cost of the project 11 12 came to \$1.3 million. 13 Monthly Capital/Spend Reports, Meeting Agendas: 14 • Like the other projects discussed above, the Rockingham Substation Transmission 15 Lines project, and associated cost overruns, was not one of the "High Profile" 16 projects mentioned or tracked in these reports. 17 18 Q. Did Staff discover any other capital investment projects for 2018 that appeared to 19 be problematic? 20 Α. Yes. In reviewing Liberty's responses to our follow-up data requests from the Technical 21 Sessions held on October 16 and 17, 2019, and in cross-referencing those responses with 22 the Company's monthly capital spending reports, Staff discovered that Liberty had 23 undertaken a significant improvement project at the Salem Depot substation. The project

was first identified in the capital spending report for April 30, 2018, under "Additional Capital Spend Discussion Items" at page 18 (Attachment JED-3a, 9-3.8). The project was described as follows:

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Project Number	Project Description	Project Manager	Amount
8830-1866	Replace Salem Depot Feeder Gateways	Anthony Strabone	1,200,00

This project was not reported on Liberty's E-22 Report to the Commission for 2018, nor was it included in the list of 2018 capital projects listed in the Company's response to data request Staff 9-3 (Attachment JED-3a, 9-3.8). As a result, Staff was unable to serve discovery on Liberty to examine the project since the period for the final round of Importantly, Staff finds troubling the fact that the project discovery had ended. represents a \$1.2 million investment in a substation that is slated by the Company to be taken out of service upon completion of the Rockingham Substation project in 2021.³³ According to the capital spending report for July 23, 2019 at page 55, the budget forecast for the project increased by \$200,000 for a total cost of \$1.4 million. Likewise, with the September 27, 2018 capital spending report at page 156, the budget forecast increased again by another \$200,000 for a total project cost of \$1.6 million. In both instances, no explanation for the cost increases was given. Finally, in the January 29, 2019 report at page 149, the final cost of the project appears to be \$1.356 million, coming in at \$244,000 under the revised budget forecast of \$1.6 million, but \$156,000 over the original budget amount of \$1.2 million.

Q. Does Staff have a recommendation for how the Commission should treat this expenditure?

³³ Demmer Testimony at 25, Attachment KFD-5 at 10-11; and Rivera/Strabone/Tebbetts Testimony at 11 (Bates II-189).

1 A. Yes. The main concern for Staff is that the project was undertaken by Liberty even 2 though the Salem Depot substation is to be taken out of service once the new proposed 3 Rockingham Substation comes on line. A review of the project by Mr. Demmer 4 indicated that there was little possibility that the getaways could be salvaged and 5 redeployed at a different location at some future time if Salem Depot were taken out of 6 service. In addition, Liberty chose to underground the feeders as opposed to installing 7 them overhead thus adding substantial cost to a project that appears to be only temporary 8 in nature. This occurrence serves as another example of Liberty's failure to employ least 9 cost planning and observe good utility practice. Given that the project was complete as 10 of December 31, 2018, and is thus included in Liberty's rate base for the 2018 rate year, 11 Staff recommends that the Commission disallow the entire investment.

Q. What issues did Staff discover concerning the other projects in Staff's sample group?

A. Some of the remaining projects reviewed from the sample list are as follows:

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15	<u>Project No.</u>	<u>Description</u>	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>
16	8830-C42930	Install Service to Tuscan Village	\$400,000	\$674,260	-\$274,260
17	8830-C18620	Charlestown 32 Dline	\$250,000	\$354,751	-\$104,750
18	8830-1830	Misc. Capital Imprv. Londonderry	\$35,000	\$60,650	-\$25,649
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All of these projects shared the same documentation deficiencies as the projects analyzed in detail above:

 Business Cases/CPE forms that exhibited differing initial budget estimates and missing or incomplete analysis involving alternatives, financial assessment, implementation plan, risks, and decision making process.

 Change Orders that were filed after project completion and nondescript in terms of analysis to support the cost increase.

- Project Closeout Reports that left key sections blank, provided no analysis of project difficulties (i.e. lessons learned) and misreported variances.
- Monthly Capital Spend reports that did not include discussion or reference to significant cost overruns of certain projects.
- Q. In your discussion above related to Project #8830-1864 Rockingham Substation

 Transmission Lines, you make reference to Liberty's construction of a 115 kV system in Salem to replace the existing 23 kV system. Does this conversion raise any additional concerns for Staff?
 - Yes. Liberty's main justification for this upgrade to a 115 kV system in Salem is based on the findings of the Salem Area Study attached to Mr. Demmer's testimony. According to the study, in order to adequately and reliably serve the substantial projected load growth associated with the Tuscan Village project (between 14 and 17 MW), and to meet Liberty's new planning criteria, conversion to the 115 kV system is necessary. However, as Mr. Demmer points out in his testimony, the proposed upgrade is unneeded because the new load can be sufficiently met through modifications to the existing 23 kV system at a much lower cost. Mr. Demmer also states that a 115 kV system constitutes excess capacity based on speculative load growth, and does not substantially increase the resiliency or reliability of the overall system with respect to the future needs of the Salem area. Consequently, Staff concludes that all of the 115 kV improvements made by

Α.

³⁴ Demmer Testimony at 26.

1 Liberty in Salem are unnecessary in that they deliver no additional benefits or cost 2 savings to ratepayers over the life of those assets. 3 4 **2017 Capital Projects** 5 1. Project #8830-1867 Rockingham Substation Transmission Supply PE 6 **Attachment JED-3h** 7 **Budget: \$50,000 Actual: \$175,504** Variance: \$125,504 8 Business Case/CPE: 9 This project involved the design and preliminary engineering for the construction 10 of two 115 kV transmission lines from Golden Rock substation to the new 11 Rockingham substation at Tuscan Village based on the recommendations of the 12 Salem Area Study. Note that this project appears to overlap with Project 8830-13 1865 Rockingham Substation Transmission Lines reviewed above. 14 The Business Case was dated July 20, 2017, at least eight months after approval 15 of 2017 capital budget. 16 Both the Business Case and the attached CPE set the approved budget amount at 17 \$50,000 for 2017. The total cost of the project is estimated to be \$5.5 million 18 upon completion in 2021. 19 No detailed analysis or decision criteria are provided in the sections addressing 20 Alternatives/Options, Financial Assessment, and Risk Assessment as required 21 under Liberty's Policy & Procedures, except for a brief reference to the Salem 22 Area Study and reiteration that the project involves engineering and design. The

Implementation/Action Plan section merely states that "construction will take

place under individual job number between 2017 and 2021." Likewise, the Cost Estimate section of the CPE provides no discussion or detail on the nature of the estimate, timing of spending per quarter, or risks associated with the overall cost estimate of \$5.5 million.

Change Order Form:

- The requested Change Order form was not provided by Liberty despite the fact that spending on this project increased by \$125,504. In the Company's attached data response, they only mention the missing Project Close Out Report, not the requested Change Order. As a result, Staff is without a documented explanation from Liberty for the cost increase.
- In addition, this form was not provided by Liberty in the Company's response to Staff 9-3, which was the reason for Staff's follow-up request.

Project Close Out Report:

As noted above, and in Liberty's response to the attached data request, apparently a Project Close Out does not exist for this project. Staff assumes that the proposed preliminary engineering and design for the project were completed in 2017, but Staff has no documented confirmation from Liberty to verify that assumption or the final expenditure amount. According to Liberty's data response in Attachment JED-3h, Liberty states that nothing was charged to the project and the capital spend was \$0 for the year, therefore the report was not required. However, the budget amount and variance are shown in Table 2 above, and expenditures were recorded in the attached work order spread sheet for 2017 (see below). Also, if the project is of an ongoing nature as Liberty seems to indicate,

1 then it should appear on the project list for 2018 submitted by Liberty which it 2 does not. 3 Work Orders: 4 The work order spreadsheet provided by Liberty shows numerous accounting 5 adjustments and reversals performed in 2018 and 2019 presumably related to the 6 land purchase, including the \$1.5 million purchase and approximately \$400,000 in other related costs, for the purposes of reversing and reclassifying the land 7 8 purchase to project number 8830-1864. 9 The work orders show some charges to this project in 2017, approximately 10 \$185,000 that had not been reversed (identified as "Preliminary Survey and 11 investigation"), but because of the numerous accounting adjustments and 12 transaction reversals between this project and project number 8830-1864, Staff 13 was unable to precisely trace and verify the actual costs assigned to the project 14 leading up to the variance of -\$125,504. 15 Monthly Capital/Spend Reports, Meeting Agendas: • Like the other projects discussed above, this project and associated cost overruns 16 17 were not tracked in these reports. 18 2. **Project #8830-C18620 GSE – Charlestown 32 Dline** 19 20 **Attachment JED-3i**

Actual: \$500,281

Note: This project carried over into 2018 for an additional \$354,751.

Variance: -\$183,289

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Budget: \$316,992

Business Case/CPE:

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- This project involved distribution line work needed to retire the 8L1 feeder at the Charlestown substation located in Charlestown to be replaced by a new feeder from the Michael Avenue Substation consisting of 1,300 ft. of new 1000 MCM, 3,500 ft. of 477 Spca, a new 40L2 breaker, and three 167 kVA regulators.
- Both the Business Case and the attached CPE set the approved budget amount at \$316,992 for 2017.
- No detailed analysis or decision criteria are provided in the sections addressing Alternatives/Options, Financial Assessment, and Risk Assessment as required under Liberty's Policy & Procedures. The Implementation/Action Plan section merely states that "construction will take place under individual job number throughout the year." Likewise, the Cost Estimate section of the CPE provides no discussion or detail on the nature of the estimate, timing of spending per quarter, or risks associated with the cost estimate.

Over Expenditure Form:

- The form reflects that spending for the project increased to \$499,069 in August but the "cause" section merely states that bids from contractors were greater than expected at the time of estimate. No information regarding the number or bids, the amounts, or timing of the bidding process were provided.
- In addition, this form was not provided by Liberty in the Company's response to Staff 9-3, which was the reason for Staff's follow-up request.

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Project Close Out Report:

- The report closed out this project despite the fact that is of an ongoing nature as
 Liberty seems to indicate.
 - As noted above, this project apparently continued into 2018 at an additional cost of \$354,751 despite the fact that it was closed out in 2017. Liberty explains in its response to Staff TS 2-6 e. that charges for materials occurred in 2018.

Work Orders:

The work order spreadsheet for 2017 was not provided by Liberty. Instead, the spreadsheet for 2018 was provided confirming the additional amount of \$354,751.
 Because the 2017 spreadsheet was not provided Staff was unable to precisely trace and verify the actual costs assigned to the project leading up to the variance of -\$183,289.

Monthly Capital/Spend Reports, Meeting Agendas:

 Like the other projects discussed above, this project and associated cost overruns were not tracked or addressed in these reports.

Q. What issues did Staff discover concerning the other projects in Staff's 2017 sample group?

A. Some of the remaining projects reviewed from the sample list are as follows:

20	<u>Project No. Description</u>	Budget	<u>Actual</u>	Variance
21	8830-CD0291 Sky View URD	\$21,286	\$70,683	-\$49,394
22	8830-C36424 Mt. Support New 16L3 Feeder	\$275,000	\$467,936	-\$192,936
23	8830-C42921 Install Splices 6L2 &6L4	\$111,562	\$203,305	-\$91,743
24	-			

As seen in the 2018 sample above, all of the 2017 projects shared the same or similar documentation deficiencies such as in Business Cases/CPE's containing incomplete or nonspecific analysis, Change Orders that were nondescript and filed long after project completion, Project Close Out Reports containing little or no analysis, and Monthly Capital Spend reports that did not include discussion or reference to significant cost overruns for certain projects.

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- Q. In the above discussion of projects reviewed for both 2018 and 2017, you refer to some instances of missing documentation not provided by Liberty. Please explain.
- 9 Α. At the Technical Sessions held on October 17 and 21, 2019, Liberty represented that it 10 would provide missing project documentation by way of follow-up that was not 11 originally filed with the Company's responses to Staff data request 9-3. Data request 9-3 (Attachment JED-3) was quite specific in terms of the types of documentation Staff was 12 13 interested in reviewing. Although some missing documents were eventually provided (e.g. Change Orders, Business Cases), as the period for discovery expired key 14 15 documentation for the projects listed below were not provided by Liberty despite Staff's 16 subsequent requests. As a result, Staff will recommend disallowance for the over-17 expenditures associated with those projects since they were not supported by Liberty.

18	<u>Project No.</u> <u>Description</u>	<u>Documentation</u>
19	8830-C36424 Mt. Support – 16L3	Verification of 1.8% load growth and work
20		orders spreadsheet
21	8830-1830 Misc. Capital Improvements-	Change order forms
22	Londonderry	
23	8830-CD0291 Sky View URD	CIAC received and work orders spreadsheet
24	·	-
25	A complete list of Staff's recommended di	sallowances for the projects reviewed here and

in Mr. Demmer's testimony can found in Section VII below.

Q. Please summarize Staff's findings based on the review of sample projects for 2018
 and 2017 and the documentation and reports obtained from Liberty.

- My response is divided in two parts. First, Staff's review was largely dependent upon the quality of documentation provided by Liberty in their data responses. Although Liberty appears to have been consistent in filing and processing all of the standard documentation and reports required under Liberty Utilities' internal processes and procedures, most of the documentation examined by Staff lacked the level of detail and analysis required by those same policies and procedures, in most instances providing only a cursory assessment of the capital projects mentioned, containing information that was repetitive and rudimentary in nature. In terms of data responses both written and obtained at the Technical Sessions, Liberty was given ample opportunity to provide root causes and detailed analysis for the cost overruns reviewed, but the answers received were vague and lacking in specifics. Staff's overall findings for each of the documents reviewed are as follows:
 - a) <u>Business Cases</u>: In Staff's view, this is a key piece of documentation since, under Liberty Utilities' policy and procedures for capital expenditures, the business case provides the essential details, and primary justifications for, a given capital project. Specifically, for all of the business cases reviewed, most of the sections requiring detailed information and descriptions, such as "Recommendation," "Background," "Alternatives," "Financial Assessment," "Risk Assessment," and "Implementation," provided only a perfunctory discussion, or in many cases, the word "None" or "N/A" were inserted, leading Staff to conclude that the

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³⁵ Attachment JED-2 at 11-12.

³⁶ *Id.* Appendix B at 20-21.

requirements under Liberty's policy and procedures are largely ignored. None of the business cases provided any basis for the proposed budget estimates nor economic justification for the projects. Moreover, for all of the business cases reviewed, the initial budget amounts were consistently under-estimated, in some cases by several times the amount of the actual expenditures as reflected in Attachment JED-3 and Tables 1 and 2 above.

Timing was another concern with the business cases. Most of the business cases reviewed for 2018 and 2017 were dated the following year, usually two to three months after the capital budgets had been approved by APUC. Moreover, as noted above, Liberty disclosed in discovery that the business cases are never filed as part of the annual budget process, thus leading Staff to conclude that upper management could not have properly assessed the necessity, scope, and costs of a given project at the time of budget preparation and approval.

b) Change Orders: These reports are another example poor timing in that they are submitted at least three months after the typical project completion dates of December 31 of the prior year. This practice runs contrary to the apparent intent of the form as described in the Policy & Procedures since engagement of management for approval, and alerting management to cost overruns, presumably should be sought during the course of the project at the time the changes occurred. This after-the-fact notification essentially negates the need for and purpose of the form. Further, there is typically no breakout within the cost categories between original costs and updated costs as required. The Basis for Change section

provides no detailed analysis or justification for an increase or why it was authorized.

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- c) Project Close Out Reports: Under Liberty's policy and procedures this report is considered to be "a vital aspect of any project;" 37 however, as noted above, the Project Documentation Checklist in Section 3 of the form is typically left blank in terms of key documents except for a reference to the Business Case. According to Liberty's data response in Attachment JED-8, Liberty apparently believes this section of the form to be superfluous and unimportant since Liberty considers that the Business Cases provide all of the necessary information. Also, under the Project Lessons Learned section in Section 5, "N/A" was usually inserted in the parts involving Problem Statement, Problem Description, References and Recommendations, regardless of whether or not Liberty encountered any problems with a project. As a result, no root cause analysis addressing project difficulties and the reasons for a cost overrun were provided. In addition, under Section 8, Project Cost Summary, Liberty will typically refer to the final cost of the project as the original budget amount and, as a result, incorrectly representing that "No variance between actual and budget."
- d) Monthly Capital/Spend Reports, Meeting Agendas: As noted above, these monthly reports attempt to track capital expenditures and variances on a monthly basis, however, the reports provide only a high level review of gross capital budget amounts in a single chart comparing capital dollars spent to budget, and includes no analysis. Only a few select, high profile projects for both the electric and gas divisions are tracked with their own budget schedules and progress

reports. None of the projects reviewed by Staff, except for the Salem Depot Getaway project, were included in any of these reports. Due to the high level nature of these reports, they provide no information as to the degree of oversight, attempts at cost containment (if any), or the thought or decision-making process on the part of upper level management concerning over-budget projects. Because the reports focus on overall levels of spending (both electric and gas), APUC appears to be more concerned with budget overruns on the macro level as opposed to individual projects. Also, based on the dates of some of the reports, there was a time lag of two months between the creation of the monthly capital spending updates and review by APUC, indicating a lack of timely review by management.

e) Work Orders: Copies of individual work orders were not provided for the projects reviewed. Instead, Liberty enters all of the work order information into an Excel spreadsheet. Typically, in addition the work orders and amounts, the spreadsheets also contained numerous accounting adjustments and transaction reversals, making it difficult for Staff to precisely trace and verify the actual costs assigned to a project leading up to the variance. Note: In Staff data request 9-3, copies of work orders were among the documents requested but not submitted by Liberty. If Liberty had provided this information, it would have given Staff the opportunity to work through the line items with the Company's witnesses during the Technical Sessions held in October.

Second, as detailed above, Staff is troubled by two projects that occurred in 2018 but were not fully disclosed by Liberty in terms of its reporting to the Commission (E-22

³⁷ *Id.* at 13.

Report) or in providing complete responses to Staff's inquiries. Those projects are the land purchase from Tuscan Village for \$1.5 million, embedded in project #8830-1864

Rockingham Substation, and the installation of getaways at the Salem Depot substation in project #8830-1866 in the amount of \$1.356 million. Both of these projects represent substantial investments for which Liberty provided no financial analysis, alternatives analysis, or efficiency gains for the benefit of the ratepayers. In short, Liberty did not provide sufficient justification that makes these projects appropriate additions to rate base. Staff believes that when a public utility undertakes investments of this magnitude the decision making process should involve consideration of different future scenarios and options. A prudent manager would have used reasonable assumptions to assess those scenarios and options. Since Liberty did not do this, Staff recommends disallowance of the entire costs for both projects.

- Q. Did Staff have reasonable expectations in terms of informational content involving the documents requested from Liberty?
- **A.** Staff expected that it would obtain information from Liberty that would provide details and support for the presumption that some or all of the cost overruns were reasonably incurred. In particular, Staff was looking for the following:
 - a) Specific causes of the cost increases for certain projects from inception to completion.
 - b) Extent of project management involvement and methodologies utilized to assure cost control.

	c) Documentation evidencing the existence of cost-effectiveness and
	efficiency in project management, engineering, procurement, and
	construction.
	d) Amount or level of interaction with contractors in containing costs.
	e) Techniques used to review and measure the performance of project
	management and cost control.
	Staff believes that these measures represent reasonable and typical management
	practices. Moreover, for a public utility, management's judgment should be substantiated
	in a way that permits thorough review. Unfortunately, Staff was unable to find
	sufficient evidence that Liberty's budgeting and planning process incorporated any of
	these types, or similar types, of project management and cost control. Therefore, based
	on the substantial record Staff reviewed, Staff cannot conclude that such metrics were
	considered by Liberty and we are unable to conclude that the costs were reasonably
	incurred.
VI.	STEP ADJUSTMENTS AND PROPOSED MULTI-YEAR RATE PLAN
Q.	Did Liberty propose any step adjustment increases as part of its overall rate
	request?
A.	Yes. Similar to Liberty's previous request in Docket DE 16-383, the Company proposed
	an initial step adjustment increase for 2019 in the amount of \$2.3 million. This increase
	incorporates costs associated with Liberty's entire 2019 capital spending budget totaling
	\$14.98 million and is to take effect concurrently with the Commission's approval of the
	Q.

permanent rate increase.³⁸ Liberty later modified this request on July 1, 2019, in response to Staff Data Request 3-28b (Attachment JED-6), in which Liberty disclosed that three capital projects had been omitted from the original filing: Project Nos. 8830-1958 Install Service to Tuscan Village South Line \$900,000; 8830-1937 GSE-Dist-New Bus-Resid Blanket \$1.0 million; and 8830-1938 GSE-Dist-New Bus-Comm Blanket \$1.4 million. These project additions resulted in an increase to the 2019 capital spending budget of \$5 million for a new total budget amount of \$20 million, with a revised revenue requirement for the first step adjustment of \$2.9 million. Liberty filed a corrected version of Attachment PEG/DBS-2 with its response to data request Staff 3-28; however, this correction was not included as part of the Company's Technical Statement filed with the Commission on November 27, 2019.

- Q. In Docket DE 16-383 the parties agreed through Settlement that the first step increase in that proceeding should be approved by the Commission. Does Staff support approval of Liberty's first step increase (as revised) in the present docket?
- A. No. As the question indicates, the first step adjustment in Liberty's last rate case was ultimately subsumed, along with several other negotiated issues, into a broad-based Settlement Agreement resolving the issues between the parties. Unfortunately, due to the schedule in that case, and the timing of the Settlement discussions, there was no opportunity for Staff to conduct a thorough review of Liberty's 2016 capital budget, nor did the Audit Division have time to perform an audit. Moreover, by the time the final 2016 capital spending numbers were available from Liberty (with the year-end closure of Liberty's books), i.e. actual expenditures as compared with the budgeted amounts, the

³⁸ Greene/Simek Testimony on Permanent Rates at 17 (Bates II-093) and Attachment PEG/DBS-2 at 1 and 2 (Bates II-134 and II-135.

time for discovery and testimony involving individual projects had passed. In terms of the present rate case, a near identical situation is emerging whereby Liberty's capital spending budget for 2019 has been proposed by Liberty as the first step increase, and like the prior rate case, the final expenditure amounts for those projects are not yet available for Staff or Audit to review (not to mention projects that may have been postponed or cancelled in the interim³⁹). This is particularly important since some of the more significant capital investments are related to the Tuscan Village project in Salem which we discuss below. Also, the time for serving discovery and submitting testimony related to the 2019 capital projects has now passed. Consequently, Staff is recommending that the Commission not approve the 2019 step increase concurrently with the permanent rates as requested by Liberty. Instead, Staff recommends that the Commission order the scheduling of a separate proceeding to take up this matter at some point in 2020 so as to allow sufficient time for a complete review of the 2019 capital expenditures by both Staff and Audit.

Q. Is Staff deviating from precedent by not recommending approval of the first step increase as requested by Liberty?

A. Staff is not aware of any precedent that requires the automatic acceptance and approval of any step increase without an adequate and reasonable process for review by Staff, Audit, and the Commission. As we have thoroughly documented above, Liberty's history of capital planning and budgeting is not stellar, thus justifying the need for a comprehensive review.

³⁹ Liberty has included Project #8830-1933 GSE Backup Battery Program as part of the 2019 step increase in the amount of \$1 million. However, as part of Staff discovery in this case, Liberty disclosed that it has not yet purchased any of the batteries due to a delay in rolling out the program which was approved by the Commission in Docket No. DE 17-189.

1 Q. Has Liberty proposed other step adjustments in addition to the 2019 increase?

2 A. Yes, but the Company's proposal is very different from the request approved by the 3 Commission in DE 16-383. According to the submitted joint testimony of Mr. Rivera, 4 Mr. Strabone, and Ms. Tebbetts, additional "system capacity and reinforcement projects" will be undertaken by Liberty from 2019 through 2023. 40 For capital projects placed in 5 service after 2019, Liberty proposes a series of annual step increases based on the change 6 7 in its net plant between January 1 and July1 of each year, subject to a prudency review. 8 The actual change will be based on an annual reconciliation of forecasted capital 9 increases with actual increases whereby 80 percent of the net change in plant (non-RFP) will be allowed in rates.⁴¹ 10

Q. How is this step increase proposal different from the one requested by Liberty in Docket DE 16-383?

In Docket DE 16-383, two additional step increases beyond the initial increase in 2016 were agreed to by all parties as part of the Settlement Agreement in that case. However, unlike the current proposal, the additional step increases in the prior rate case involved five specific capital projects comprising only a portion of Liberty's annual capital spending: Pelham Substation Transformer, Pelham 14L4 Feeder, Pelham 14L5 Feeder, Charlestown DSub, and Charlestown 32 Dline. Liberty subsequently removed the last three projects from consideration as part of the step increase leaving only the Pelham Transformer and the 14L4 Feeder for inclusion. At that time, a separate process for review and audit of those projects was agreed to and ultimately performed in 2019. Under the current proposal as filed, Liberty provided no specifics on future investments

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⁴⁰ Rivera, Strabone, and Tebbitts Testimony at 9 – 11 (Bates II-187 – II-189), and Attachment JED-9.

⁴¹ *Id.* at 12 – 13 (Bates II-190 – II-191).

that were to be included in subsequent annual step increases. All that is known about these projects is that they are varied and necessary for future growth. Consequently, Staff requested more specific information through Staff Data Request 9-1 (Attachment JED-7) and in response Liberty provided a list of planned capital projects and forecasted expenditures based on its 5-year capital plan for years 2020 through 2023. According to that response, Liberty projects total investments of \$23.7 million in 2020, \$47.7 million in 2021, \$25.2 in 2022, \$24 million in 2023, and \$21 million in 2024. Whereas the number of capital projects and associated costs comprising the step increase in DE 16-383 were limited, specific, and reasonably certain, the projects and amounts in the aforementioned list are merely budget estimates for numerous future investments that provide no known or knowable benefits to ratepayers and are subject to modification in future years. Moreover, Liberty's proposal essentially requests recovery on an annual basis, of the revenue requirement of eighty percent of Liberty's entire capital spending plan as opposed to reviewing those expenditures in a subsequent rate case. Further, Liberty seeks recovery of future property tax increases as part of its multi-year plan. 42

Q. What is Staff's recommendation for future step increases involving Liberty's annual net plant reconciliation proposal and Mr. Mullen's proposed multi-year plan?

A. Staff does not support the proposals and instead recommends that the Commission retain a more traditional rate-making scheme where plant and property taxes are reviewed comprehensively in periodic rate cases, resulting in just and reasonable rates. Staff in particular recommends base rate case review of Liberty's plant investments, based on its position that Liberty's capital investments have been overly aggressive, and in some instances unnecessary, especially given the Company's relatively flat load growth,

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⁴² Mullen Testimony at 3-7 (Bates II-203 – II-207).

satisfactory reliability, and the adoption of more stringent performance standards as
described in Mr. Demmer's testimony.⁴³ For those reasons, Staff recommends that the
Commission deny the Company's proposals involving future step increases and a multiyear plan.

5 Q. Does Staff have any additional concerns related to Liberty's future step increases 6 and capital investments?

Yes. A significant component of Liberty's current and future capital additions involves supplying projected load growth in the Salem service area driven mostly by the Tuscan Village project. The Tuscan Village development is a 170 acre project located at the former Rockingham Park Race Track that involves a combination of both commercial and residential uses divided between two sections: Tuscan North and Tuscan South. Tuscan North is near completion and approximately 25 percent of the total electric service work required for that part of the development has been installed by Liberty. As stated in the Salem Area Study, load growth from the development is projected to be the 14MW to 17MW range. A critical assessment of The Salem Area Study and associated load growth forecasts can be found in Mr. Demmer's testimony. To date, Liberty has invested a total of \$6.8 million in Tuscan Village related projects and expects to add \$29.95 million in investments to rate base upon completion in 2023. Liberty has also forecasted \$2.9 million in annual revenue growth resulting from the project.

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⁴³ Demmer Testimony at 13-19 and 22-27.

⁴⁴ See Attachment JED-11.

⁴⁵ Demmer Testimony at 19-27.

⁴⁶ See Attachment JED-10.

The development as a whole constitutes a significant and complex undertaking. Based on the detailed analysis we provide above, and as referenced in Mr. Demmer's testimony, 47 Staff is not confident in Liberty's ability to plan, budget, and efficiently manage such large capital projects. As the record in this case shows, the Company has already carried out uneconomic projects such the Rockingham land purchase, the expansion of Golden Rock substation, and the costly installation of getaways at Salem Depot, all pursuant to over-optimistic load growth and excessive performance standards. As Mr. Demmer reports in his testimony, with Tuscan North now mostly complete current load growth for the development has only increased by 1MW.⁴⁸ Further, Liberty's assertion at the Technical Sessions of October that Liberty would have made the Salem area investments regardless of whether or not the Tuscan Village development was built, due primarily to asset deterioration and maintenance issues associated with the Salem Depot and Barron Avenue substations. As mentioned above, Staff visited the Salem Depot site and did not observe any serious deterioration or degradation issues with the equipment located within the substation.

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VII. CONCLUSIONS AND RECOMMENDATIONS

- 18 Q. Please summarize Staff's findings.
- In summary, based on the extensive review outlined above, Staff is unable to find that
 Liberty provided sufficient economic justification and analysis to support the capital
 projects reviewed or the sizeable cost overruns associated with some of those projects, for
 the following reasons:

⁴⁷ Demmer Testimony at 21.

⁴⁸ Demmer Testimony at 25-26.

Staff found no evidence that Liberty analyzed alternatives, considered least cost
planning, performed sufficient financial analysis, or complied with its own policy
and procedures involving the Business Case/CPE's, Change Orders, and Project
Closeout Reports reviewed.

- Staff found initial budgeted amounts, both in spreadsheets and the Business
 Case/CPE's, to be consistently underestimated, unreliable, and lacking
 documentary support thus calling into question the quality of the figures
 contained in Liberty's reports and other related documentation.
- Liberty bases the need for many of its capital investments on more stringent performance standards than other New Hampshire utilities, thus encouraging the building of projects beyond what is needed or necessary to maintain reliability.
- Staff found little evidence that Liberty's project planning and management constitutes an efficient or organized process or that proper processes and controls are in place for reasonable and prudent decision making.
- Liberty provided little evidence that its project management employed any form
 of cost control methodology or techniques, or that it reasonably responded to
 changing circumstances or new challenges as projects progressed.
- Staff found that Liberty does not always observe Good Utility Practice and did
 not conduct its capital budgeting and planning in a manner that was economic,
 efficient, or comparable to other similarly situated utilities.
- Liberty's approach to capital budgeting and planning directly impacts rates given that this rate case was filed primarily because of \$36 million in capital expenditures invested by the Company since the last rate case.

• The delays by Liberty in providing key documents, or not providing them at all, hampered Staff's review in this case.

Q. What recommendations does Staff propose as a result of its analysis of Liberty's revenue requirement?

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First, Staff incorporates the recommendations of witnesses Mullinax and Demmer. Ms. Mullinax recommends a total reduction of \$6.5 million from the proposed revenue requirement based on her extensive review of Liberty's proposed revenue requirement and Staff's recommended adjustments. Mr. Demmer recommends a reduction in the requested \$2.3 million for the Veg Management program proposed by Liberty of approximately \$666,301 for a revised program amount of \$1.7 million. Mr. Demmer also supports with the plant disallowances referenced below involving Rockingham Substation and Tuscan Village based on the Company's failure to demonstrate that the benefits of its more stringent system planning criteria outweigh the increased costs to ratepayers. Staff also recommends that the Commission reject the proposed step increase for 2019, and Liberty's proposal for a net plant calculation and multi-year plan for all future step increases, given Staff's overall determination that Liberty has exhibited defective capital planning and budgeting based on the evidence provided above. Instead, Staff recommends that the Commission open a separate docket for the purposes of conducting an investigation of Liberty's capital budgeting and planning processes, including (if the Commission approves a step increase for 2019 investments) a prudence review of individual capital projects that comprise Liberty's step increase request for 2019, and consider hiring a consultant to perform a business processes audit in support of that investigation.

Second, Staff incorporates the recommendations of witness Woolridge that Liberty's appropriate cost of capital should be 7.11% and that its ROE should be 8.25%.

Lastly, based on our review of capital projects for 2017 and 2018, Staff recommends the following disallowances from Liberty's proposed rate base:

5	Project No. Description	<u>Year</u>	Amount
6	8830-1832 Replace 6L2 No. Ma	in Hanover 2018	\$1,070,593
7	8830-C42930 Install Service to Tus	can Village 2018	\$ 674,260
8	8830-C18620 Charlestown 32 Dline	e 2018	\$ 104,750
9	8830-1830 Misc. Capital Imprv.	Londonderry 2018	\$ 25,649
10	8830-1865 Rockingham Sub Tra	nsmission 2018	\$ 575,354**
11	8830-1866 Salem Depot Feeder	Getaways 2018	\$1,356,000
12	8830-1845 Golden Rock Dist. Fe	eeders 2018	\$ 16,978
13	8830-1744 Golden Rock Substat	ion 2018	\$ 309,324
14	8830-CD0291 Sky View URD	2017	\$ 49,394
15	8830-C18620 Charlestown 32 Dline	e 2017	\$ 183,289
16	8830-C36424 Mt. Support New 16I	L3 Feeder 2017	\$ 467,937
17	8830-C36425 Mt. Support New 16I	L5 Feeder 2017	\$ 555,143
18	8830-1867 Rockingham Sub Tra	nsmission 2017	\$ 175,504
19	8830-C42921 Install Splices 6L2 &	6L4 2017	\$ 203,305
20	Total Project Disallowance		\$5,767,480
21	Veg Management Disallowance (De	emmer) 2018	<u>\$666,301</u>
22	Total Disallowances		\$7,100,082

**Note: The total cost for the land purchase associated with Project #8830-1864 Rockingham Substation in the amount \$1,568,870 is not included above. This amount is not currently in rate base but instead is posted on Liberty's books as "Plant held for future use." As discussed in Section V. above, Staff recommends that the Commission disallow the expenditure.

1		Total Rate Base	\$103,024,219 ⁴⁹
2		Less:	
3		Adjustment for Capital Expenditures	(\$5,767,480)
4		Adjustment for Veg Management Program	(\$ 266,301) ⁵⁰
5		Total Rate Base Disallowance	\$ 6,033,781
6		Impact on Rate Base:	
7		Rate Base	\$103,024,219
8		Less Disallowance	(\$ 6,033,781)
9		Adjusted Rate Base	\$96,990,438
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11	Q.	Does Staff have any additional recommendations for th	e Commission to consider?
12	A.	Yes. Related to the tariffs filed by Liberty, Staff propose	s to meet with Liberty at some
13		point during this case to discuss non-substantive changes	s to the tariffs, which could be
14		incorporated into a compliance filing following the Comm	ission's final order.
15	Q.	Does that conclude your testimony?	
16	A.	Yes, it does.	
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⁴⁹ Mullinax Testimony at 11.⁵⁰ Demmer Testimony at 27-29.

Focused Management Audit of Liberty Utilities
Planning and Budgeting Public Final Report

III. Planning and Budgeting

A. Background

1. APUC's Overarching Strategy

APUC's business model focuses on growth, has depended on high rates of growth since its 1997 inception, and appears destined to continue to depend on acquisitions of small utility distribution and generation operations across the United States and Canada.

The parent's web-site describes this strategy clearly, focusing very strongly on APUC's process of "becoming." The following statement, with emphasis added, introduces searchers to the holding company's self-description:

Algonquin Power & Utilities Corp. is a **growing** renewable energy and regulated utility company with <u>assets across North America</u>. The Corporation <u>actively invests</u> in hydroelectric, wind, thermal and solar power facilities, and sustainable utility distribution businesses (water, electricity and natural gas).

Algorquin Power & Utilities Corp. is focused on delivering reliable earnings, cash flow and dividend growth through <u>strategic acquisitions</u> and operational excellence. The Corporation is a member of the S&P/TSX Composite Index and trades on the Toronto Stock Exchange under the symbol AQN.

The Corporation is recognized for <u>developing and acquiring</u> long lived sustainable assets that are built for the long term, and has grown to over 66 power generation facilities and utilities in Canada and the United States. The company has approximately 1,450 skilled and motivated employees contributing to the success and growth of the business.

Our Business	OUR BUSINESS	
About Us	Algonquin Power & Utilities Corp. is a growing renewable energy and regulated utility company	
Acquisition Criteria	with assets across North America. The Corporation acquires and operates green and clean energy assets including hydroelectric, wind, thermal, and solar power facilities, as well as sustainable utility distribution businesses (water, electricity and natural gas) through its two operating subsidiaries: Algonquin Power Company and Liberty Utilities.	

The strength of focus on acquisitions shows in the three "buttons" on the web page describing the business: "Our Business," "About Us," and, notably, "Acquisition Criteria." The last offers, to say the least, a rare point of emphasis in a utility holding company's succinct message to stakeholders describing its business.

The two New Hampshire utilities that APUC owns are fairly small ones. That status particularly means that operation in the APUC family presents both opportunity and risk. Opportunity comes from the leverage (size) that other family members contribute to producing. That leverage should enable investment in organizations, systems, tools, and people that two, small, stand-alone companies simply could not justify on their own.

Risk arises from two principal sources. The first arises from the great financial needs that growth through acquisition requires. While striving to retain the financial ability to make acquisitions,

which requires flexibility to act when opportunities arise, parent company leadership must ensure that sufficient focus remains on meeting utility capital and operating needs. Second, from the perspective of New Hampshire interests (or those of any other state, for that matter), retaining top-level focus on two utility distribution businesses operating among many small, far-flung, transnational businesses takes structure and focus. That the parent's operations split largely between generation and distribution sectors (moreover with relatively few individual operations combining them materially) complicates things. That the parent's roots lie in developing generation also complicates matters. Moreover, and perhaps most significantly, its culture, physical location, and corporate-level resources are not, at least on the surface, well grounded in U.S. energy distribution utility experience. For example, all of its distribution utilities operate within the United States. However, all of its corporate support structure and personnel operate from Ontario.

Factors like these that lie on the surface of the APUC strategy and structure make it appropriate to examine the degree to which APUC can move and has moved from an "acquisition" to and "operation" mentality, or, more precisely, given the continued focus on acquisition, how well it can support the maturation of an operations emphasis within the context of the acquisition and growth philosophy that has defined it since its origins.

Certainly, there is acknowledgement of and commitment to operational excellence in public statements and in what management told us during our field work. Just as certainly, there have been problems in integrating New Hampshire operations into the Liberty Utilities family. As our examinations in the areas addressed by the other chapters of this report demonstrate, significant improvement opportunities remain. It also appears that they may have to be captured at the same time that APUC digests yet another acquisition. Its pending acquisition of Empire District Electric would bring another 217,000 customers (in four states) to an existing base of 560,000 (a nearly 40 percent increase) across in 11 states. In microcosm, this pending acquisition captures the tension between APUC's priority on "becoming" (through growth) and its need for a focus on "being" (establishing a strong and sustainable operations model and focus).

2. U.S. Distribution Utility Territorial Breadth

The map shows the vast dispersion of Liberty Utilities operations. All distribution utilities operate in the U.S. The generation business (operated by APUC subsidiary Algonquin Power Company) owns all or portions of 33 generating facilities (1,100 megawatts). The 24 Canadian generators extend from the Maritimes to Alberta in Canada and the nine in the U.S. extend from three in New England to one in California. While predominantly Canadian, they too exhibit an extremely large territorial dispersion.



As determined by customer connections, natural gas distribution comprises the largest Liberty Utilities segment, with six U.S. operators providing service to some 293,000 customer connections. New Hampshire represents 30 percent of them. The second largest segment, water distribution and wastewater treatment includes 26 operations serving over 175,000 customer

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connections. Electricity, the smallest segment by this measure includes two operations serving over 92,000 customer connections. New Hampshire represents close to half of them. APUC has a very short history in the electric utility distribution business. Its first entry came with acquisition of a 47,000 Lake Tahoe area electric company. At the time utility operations were limited to 70,000 water and waste water treatment customers.

The dispersion of both the utility and generation segments heightens the challenges of planning for optimization of operations and in developing budgets and managing expenditures to execute those plans.

The company is also pursuing growth in natural gas with pipelines delivering shale natural gas to markets.

Liberty Utilities, and in turn LU-NH, face significant operational performance challenges, while also meeting the aggressive financial growth expectations of its holding company parent. Meeting these challenges requires well designed and effectively executed budgeting and cost management. Budgeting and cost management begin with board of directors and senior executive leadership, which must articulate a consistent vision, establish a clear mission for meeting public service responsibilities, define objectives and goals, set priorities, develop strategic plans, allocate resources, develop financing plans, and implement and measure performance against these plans. The challenge is not simply to define management's vision and strategic plans in a comprehensive and specific way, but to bring them to fruition in a far-flung organization and in a way that responds generally to public service responsibilities and specifically to the requirements and expectations of regulators and stakeholders in New Hampshire.

The corporate processes for budgeting of capital expenditures and of operating expenses must be effective for good planning and strategies execution. The LU-NH processes must effectively provide for gas and electric system reliability through investments and operations and maintenance activities, while maintaining corporate financial health. Specific plans for funding utility capital requirements and allocation of capital are ultimately the responsibility of the holding company, whose leadership should play a strong planning and budgeting role, and recognize the need to give appropriate priority to utility needs when allocating resources.

Good practice builds O&M budgets from the bottom-up by management within each major organization. The use of activity-based budgeting has become a standard for optimizing costs, when properly applied. Once set, budgets require ongoing attention and revision where appropriate. This need has particular relevance for Liberty Utilities, which must not only sustain optimum operations at existing units, but has had to address the challenges and uncertainties of incorporating new operations in new regions on a recurring basis. Management reporting systems need to provide comprehensive, detailed monitoring and cost-control mechanisms for capital and O&M budgets at the Liberty Utilities level and at the New Hampshire levels for both electric and gas operations.

B. Findings

1. Strategic Planning

a. Vision/Mission

Liberty Utilities operates under an established vision statement that we found appropriately communicated to employees. Specifically, Liberty Utilities seeks to be:

The utility company most admired by customers, communities and investors for our people, passion and performance.

Liberty Utilities has also set a high-level mission statement that calls for it to "Deliver stable and predictable earnings" and that establishes the investment thesis that, "Maximum shareholder value is created by minimizing the risk associated with earning the permitted rate of return."

The Company has identified a number of attributes needed to attain its mission:

- Constructive Regulatory Relationships
- Caring Customer Experience
- Standardized Processes and Technologies
- High Level of Employee Engagement
- Earnings and Cash Flow through continued rate-base investments and expansion through utility acquisitions.

Liberty Utilities stresses a series of "Organizational Values," which consist of family, community, quality, commitment, care, and efficiency.

Liberty Utilities prepared formal strategic plans in 2013 and 2014. Each covered the immediately following five-year planning period. Leadership decided that it was not necessary to prepare a 2015 version, placing priority on continuing to execute on existing initiatives.

b. Planning Process - 2013

The strategic planning processes in 2013 (and again in 2014) began with a "SWOT analysis" (strengths, weaknesses, opportunities and threats) prepared by the Liberty Utilities state presidents and the top 10 Oakville officers at the Liberty Utilities level. Leadership undertook this analysis to drive the focus of strategic planning for the next five years. Each of the four SWOT categories included ten areas for examination. We highlight some of them below:

- Strengths
 - o Meeting investor expectations
 - o Strong access to capital
 - o Employee quality
 - o Ability to execute transactions
- Weaknesses
 - o Lack of business development around organic growth
 - o Capital constraints
 - o Key personnel stretched thin
 - Specialized knowledge stretched thin
- Opportunities

- o Accelerated infrastructure recovery
- o On-main build outs
- o Credit rating improvements
- Threats
 - o Capital required exceeds Liberty Utilities' access
 - o ROEs lowered
 - o Access to capital markets closed.

These examples tend to underscore Liberty Utilities' strength in acquisitions, and weaknesses in delivery (thin staffing and knowledge), and a view of opportunities and threats focusing on acquisitions versus operations.

Following the SWOT analysis, the Oakville strategic planning group developed a strategic plan. The plan finally approved set forth strategies and initiatives divided into four major groups.

The first group consisted of "Driving Maximum Returns." It included three notable initiatives:

- Enhance Regulatory Relationships
- Drive Local, Responsive, and Caring Customer Relations
- Focus on organic growth and diversified investments.

The regulatory relationships initiative reflected recent circumstances in New Hampshire, following the transfer from National Grid. Management observed that National Grid did not have extensive contact with New Hampshire regulators. There had been long periods between rate cases. Management added a local regulatory position in New Hampshire and one in Oakville.

The customer relations initiative included planned customer surveys for all utilities in late 2014, using in-depth focus groups organized and conducted by a third-party contractor. One change resulting from this initiative was the introduction of walk-in customer service centers.

The 2013 strategic plan's second group of initiatives focused on "Acquisition Growth." The first of its two initiatives sought to introduce methods to support more discipline in assessing acquisitions and ensuring their financial contribution. The second of these acquisition-related initiatives sought to identify and seek out the "orphans" of large holding companies (*i.e.*, operations too small to attract the attention of other acquirers operating in the industry).

"Operations and Integration" formed the third group of strategic initiatives. Its first element sought to "Evolve the Transition Management Office" in order to strengthen the ability to integrate newly acquired operations. Two other initiatives sought to bring commonality to dispersed operations by documenting "the 'Liberty Way" and managing employee cultural transitions.

The fourth area addressed "Business Infrastructure Strategies," including a series of system initiatives. These system initiatives included IT infrastructure, a new nationwide Cogsdale CIS upgrade, and improving the capability of the HRIS, or Human Resources Information System, to support talent management. The other initiatives in this area took a process focus, seeking to:

- Improve human resources processes across the board
- Formalize risk management

• Increase the focus on strategic planning.

c. 2014 Strategic Plan

The 2014 strategic plan, which remains the most recent produced, provided significantly greater detail than did the 2013 version. No change occurred in "business thesis", including the vision, mission and investment thesis and the organizational values. The plan also included for the first time a summarized five-year forecast that set forth specific financial metrics for gauging success over the planning horizon.

The 2014 strategic plan included sections treating: (a) human resource strategies; (b) operating strategies; (c) operations initiatives; (d) growth strategies; and (e) the five-year forecast. Each category is summarized in the following discussion.

i. Human resource strategies

The plan set forth a three-year roadmap of human resources "strategic objectives" that addressed (a) building a more efficient human resources organization, (b) developing talent and leadership, and (c) developing a "motivated" workforce.

The plan described a reorganization of Liberty Utilities groups that would produce two new business areas:

- O Distribution and generation: all utility distribution and generation, as well as California solar operations
- O Pipelines and transmission: a new organization to identify and seek investments in natural gas pipelines and electric transmission
- o Energy solutions: a new group to house natural gas solutions and home services; management would terminate this group after a single year of operation
- Business development: to manage acquisition growth and to develop a Liberty planning team.

ii. Operating strategies

Operating strategies included the Liberty Way; centralization of commodity procurement; decentralization and driving toward local operations; managing regulatory relationships; managing New Hampshire regulatory reporting; filing quad-annual rate cases; and enhancing regulatory returns.

iii. Operating initiatives

The 2014 strategic plan's operating initiatives included:

- Managing cultural integration
- Improving customer billing and collections
- Continuing to improve the customer experience
- Enhancing safety, environmental, health and security
- Implementing an enterprise risk management processes
- Evolving the IT platform: including Enterprise Asset Management, the Cogsdale CIS, and the Great Plains system
- Executing growth approaches, including organic, acquisition, and new lines of business

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iv. Growth Strategies

The 2014 plan enumerated and discussed at length growth strategies falling into more than 10 categories:

- Organic capital investments: dual-fuel vehicles, smart AMR, solar, specific initiatives within existing utility systems
- Customer expansions
- Tuck-in acquisitions: small utilities that can be managed by existing local operations, such as the Keene propane system
- Large acquisition growth: acting as a "disciplined buyer" to make deals accretive to earnings
- Pipelines and transmission investments: forecasting significant growth in investments
- Gas transmission opportunities: pipeline investments and acquisitions
- Electric transmission opportunities
- Natural gas-specific opportunities: LNG plants, satellite LDCs on pipelines
- Solar and home services: the plan anticipated significant investment, but business area was dropped after one year
- Solar portfolio securitization
- Rooftop solar metering
- Renewables
- Partnership opportunities (since terminated).

2. Five-Year Forecasts

a. Five-Year Forecast Process

Liberty Utilities constructs a "Five-year Forecast" as part of the strategic planning process. The forecasting process begins in March, and becomes final following presentation to and review by the parent board of directors in June or July. The Five-year Forecast provides detailed financial projections that capture expected results of the strategic plan. The key drivers of the forecast are: (a) goals for specific financial metrics determined before the supporting forecasting process begins, (b) the Liberty Utilities five-year capital expenditure plan, (c) regulatory treatments and assumptions that define cost recovery, and (d) operating expenses over the five-year horizon.

Oakville headquarters begins the process with a PowerPoint presentation in March. The presentation provides timelines, a scope of deliverables, roles and responsibilities, and key priorities. Oakville provides the templates and reports for the forecast, leaving the regions to provide their assumptions and inputs, revenue forecasts, operating expenses, and capital expenditures. The process seeks to produce a five-year forecast at a less granular level than the budget cycle for the first year, which immediately ensues.

The forecasting process limits operating expenses to those authorized in rates, unless an existing rate mechanism permits adjustments between base rate cases. The process also anticipates iteration between the regions and Oakville to establish capital expenditure "envelopes." These envelopes seek to satisfy equity return levels. Oakville also produces an extension of the Five Year Forecast, covering future years six through 20. Those extended views are not used at the regional level.

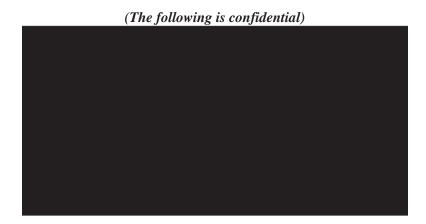
New Hampshire inputs to the process begin in May, using templates of financial information for EnergyNorth and for Granite State. The New Hampshire financial staff provides operating expenses for five years. The manager of engineering constructs a forecast of capital expenditures and projects. That forecast employs a five-year rolling average of New Hampshire SAIDI and SAIFI requirements as a guide for capital forecasting. Internal New Hampshire review and analysis of this preliminary information occur in May and June. Following New Hampshire state President approval of state input, a review by the Oakville Vice President of Finance and staff takes place. The parent board of directors receives a Five-Year Forecast presentation in June or July of each year.

The next table summarizes the most recent Five-Year Forecast's capital expenditures for Energy North and Granite State.

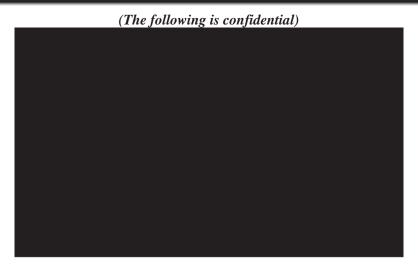
EnergyNorth (in millions) Test Year 15.45 3.52 1.61 1.61 1.87 4.90 1.61 1.85 5.19 5.40 1.85 1.85 1.80 1.8

Latest Five-Year Forecast Information for New Hampshire

The next illustration shows operating expense forecasts for New Hampshire for 2016-2020.



The financial metrics for New Hampshire (shown in the illustration below) form a key product of the forecast process.



b. Earlier Five-Year Forecasts

The 2013, 2014 and 2015 Five-Year Forecasts included what management terms "Baseline" and "Directional" forecasts. The 2013 Baseline forecasts included currently operated Liberty Utilities utility businesses. The Directional forecast in 2013 consolidated this baseline component with projections that considered five acquisition opportunities not in the fold, but considered to be in the business development pipeline. A key financial metric objective in the 2013 forecast was the EBITDA compound growth rate. The EBITDA compound growth rate for the Directional forecasts was almost three times that of the Baseline forecast.

The Directional forecast included an assumed acquisition of a 50,000-customer utility in each year of the forecast. The addition of an acquisition in each year caused the increase in EBITDA compound growth rate. The forecast also included assumed rate increases in New Hampshire of 24 percent for Energy North and 26 percent for Granite State, both in 2014.

Management built the 2014 five-year forecast (for 2015 through 2019) around defined target financial metrics:

- Double EBITDA in five years
- Grow EBITDA in every year
- Grow EBITDA on existing assets in every year
- Maintain a BBB credit rating.

The 2014 forecast version presented three scenarios. As in 2013, the Baseline addressed existing businesses, but added three changes: (a) smart meters, (b) a California business, and (c) an electric transmission line. The 2014 version then added a "Market" scenario; which included the Baseline plus projects that had been announced to the capital markets. The Directional scenario included the Baseline plus Market plus two hypothetical acquisitions in 2018 and 2019.

The Market and Directional scenarios included target financial metrics equal to those of the Baseline, plus an EBITDA interest coverage minimum, a total debt to capital maximum level and an FFO/Debt metric of 13 percent for utility operations. The acquisition of Park Water in 2016 and

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investments in LNG in 2015 through 2017 were added. Hypothetical acquisitions were assumed for 2018 and 2019. The results of the Directional forecast were to double EBITDA from 2015 to 2019, as was targeted in the process.

The 2015 forecast for 2016 - 2020 included less aggressive target financial metrics. The financial metrics evolved to the following:

- Achieve allowed ROEs for the regulated businesses
- Grow EBITDA in each year
- Grow EBITDA existing assets in each year
- Invest approximately \$2 billion dollars over five years
- Maintain a BBB credit rating.

The acquisition of Empire Electric was announced by the company in February 2016. It was not included in this forecast. The Baseline scenario included the "as is" utility businesses plus Park Water, and gas and water acquisitions that were certain. The Market scenario included all announced acquisitions that are not yet implemented. In this forecast version, the Market and Baseline scenarios are the same. The Directional scenario included the Baseline plus hypothetical acquisitions in pipeline investments. The Directional forecast also assumed one larger acquisition per year of 150,000 customers in each of 2018, 2019 and 2020.

Targeted financial metrics for this forecast did not include a doubling of EBITDA, but results of the Directional forecast actually did show a doubling in five years. The forecast also included major New Hampshire capital investments for main replacements, new services for residential and commercial customers, and new gas main related to growth.

3. Budgeting

a. Overall Budgeting Processes

For both capital expenditures and operating expenses, the finance leads in each Liberty Utility region work with local operations to develop annual budgets. The finance leads (the Vice President-Finance in New Hampshire) serve as the primary points of contact with Oakville during the budget cycle.

At the New Hampshire level, the budget process begins in August under the senior manager of finance, who oversees the preparation of the operating expense budget. Oakville begins budget work in August as well under the finance executive, who provides assumptions, spending templates, an HR template, and other inputs.

All budget inputs get rolled up to region levels and compared to the first year of the Five-Year forecast. The results then go to the state presidents for initial comments. Several budget iterations may then occur between state department heads and the state president prior to the latter's approval. The proposed New Hampshire budget then goes to the Oakville finance group. Phone calls in October and November discuss various portions of the New Hampshire budget, leading to approval by Oakville finance in November. A budget presentation is prepared for the Algonquin Board of Directors, to be reviewed and approved in early December.

Oakville supplements the annual budgeting process with an "Emergent Program Process," in order to provide for the addition to the approved capital budget of new capital items as they "emerge" during the budget year. Addition of new capital projects or programs require justification through an approved business case. One emerging program secured approval in 2014, after which the number skyrocketed to 32 in 2015. The pace during 2016 (13 in the first few months) shows continuation of the 2015 experience.

b. Capital Budgeting

The New Hampshire Director of Engineering prepares the local capital expenditures budget. The manager meets with operations managers throughout the year to discuss the capital needs of the various departments, primarily focusing on smaller capital elements. The manager of engineering meets with the director of gas operations, the director of electric operations and engineering personnel to identify capital work required in the coming year.

The target metrics for SAIDI and SAIFI serve as drivers in developing the local capital budget. The manager of engineering relies on two planning engineers (one in gas and one in electric) to identify mandatory and non-mandatory capital projects.

Management prepares capital expenditure estimates for numerous "blanket" programs conducted routinely on an annual basis, determining their costs on line item basis. Year-to-year reviews are performed on both the gas and electric sides. For gas, inside meters, services, and main replacements are estimated based on a 10-year plan. The gas capital budget is about 90 percent related to compliance. Growth capital projects must have a business case with an analysis for approval. Business cases are also required for discretionary capital projects. For the 2015 budget year, business cases were performed for all line items in both the gas and electric capital budgets. Both the gas and electric businesses use the Synergy model for capital expenditures.

c. 2014 Budgeted versus Capital Actual Expenses

Variances between budgeted and actual capital expenditures in 2014 proved unusually large in magnitude and in the number and nature of their sources. The next table summarizes 2014 capital budget performance for both LU-NHG and LU-NHE. Combined, those variances reached the extreme level of 71.7 percent.

2014 LU - NH Capital Budget and Variances

Commons	Dudget	Astual	Variance		
Company	Budget	Actual	Dollars Percen		
Energy North	\$26.701	\$46.544	\$19.843	74.7%	
Granite State	\$18.303	30.736	\$12.433	67.9%	
Total LU-NH	\$45.004	\$77.280	\$32.276	71.7%	

Dollars are in millions

Examining 2014 capital budgets line-by-line discloses a large number of significant, some extremely large, variances. Most line items showed large variances. Moreover, the underlying reasons reported by management were numerous and varied in nature. We review a number of the significant 2014 variances below. We did not try to reconcile all 2014 capital variances, but the next portions of this chapter illustrate how significant they were.

First we listed projects that experienced particularly large over-runs. The next chart shows that actual costs for these 10 projects in total ran over-budget cumulatively by about 3.5 times.

Large 2014 Capital Over-Runs

Co.	Projects	Budget	Actual	Variance	Explanation
Electric	7	\$2.978	\$10.076	\$7.098	various
Gas	3	\$0.825	\$2.938	\$2.113	"more complex than estimated"
Total	10	\$3.803	\$13.014	\$9.211	

Dollars are in millions

Next we show budget to actual performance for Information Technology, Software, Equipment, and Infrastructure Capital Charged to New Hampshire. This work overran budget by 18 times.

IT 2014 Capital Charged to New Hampshire

Co.	Budget	Actual	Variance	LU Explanation
Electric	\$0.302	\$5.099	\$4.797	"Charged to LABS Corporate"
Gas	\$0.283	\$5.797	\$5.514	"Charged to LABS Corporate"
Total	\$0.585	\$10.896	\$10.311	

Dollars are in millions

A "Finance Project" that had not been included in the approved budget at all drove a further, very large capital budget overrun of over \$10 million. Not a "project" per se, this item represented a collection of accruals related to the budget's other line items. The next table summarizes the amounts involved.

Unbudgeted 2014 "Financial Project" Capital Costs

Co.	Budget	Actual	Variance	Explanation
Electric	0	\$7.167	\$7.167	
Gas	0	\$3.125	\$3.125	"Finance Project"
Total LU-NH	0	\$10.292	\$10.292	

Dollars are in millions

Three other, miscellaneous categories contributed another \$12 million in capital cost variances for New Hampshire in 2014. The next table depicts these overruns, which arose from a number of notable sources. First, management explained an approximately \$4.8 million variance for growth projects as "additional growth jobs identified and released in support of growth strategy." However, growth projects did not appear in approved 2014 Emergent Projects. This category reflects what should exist as a result of the process for approving projects emerging after approval of the base annual capital budget. It thus appears that board approval was not obtained for these major increases.

- A carryover of 2013 work into 2014, described as "unplanned carryover costs from 2013 to 2014" also showed unusual variances, with five projects more than doubling in cost.
- Mischarges arose under four gas projects, with the errors explained as "charges made to blanket accounts instead of other projects."

Other Sources of 2014 Capital Overruns

Co.	Budget	Actual	Variance	Explanation
Gas	\$5.083	\$9.874	\$4.791	Growth Jobs
Electric	\$2.250	\$5.237	\$2.987	2013 Carryover
Gas	\$0.939	\$5.503	\$4.564	Mischarged
Total LU-NH	\$8.272	\$20.614	\$12.342	

Dollars are in millions

While the net effect of budget variances produced large added costs for New Hampshire, large variances ran in the other direction as well. The next chart shows substantial budgeted costs not expended due to delays.

2014 Capital Under-Runs Due to Delay

Co.	Budget	Actual	Variance	Explanation
Electric	\$4.399	\$1.116	\$(3.283)	3 projects "delayed to 2015 or later"
Gas	\$3.900	\$0.098	\$(3.802)	4 projects: "permitting did not allow for construction initiation"
Total LU-NH	\$8.299	\$1.214	\$(7.085)	

Dollars are in millions

d. 2015 Budgeted versus Actual Capital Expenses

Capital budget variances for 2015 improved as measured on a total basis, but still generated numerous and large variances. The total variance for LU-NHG was a nominal two percent. The LU-NHE variances, however, remained disturbingly high. Actual costs exceeded those budgeted by 15 percent. The next table summarizes overall 2015 capital budget variances at the top level.

2015 LU-NH Capital Variances

Co.	Dudget	Actual	Variance		
Co.	Budget	Actual	Dollars	Percent	
Gas	\$32.268	\$32.875	\$0.617	1.9%	
Electric	\$10.012	\$11.522	\$1.510	15.1%	
Total LU-NH	\$42.280	\$44.397	\$2.117	5.0%	

Despite the lessening of the total variance from budget, a review of 2015 line items continued to show very large individual variances. We summarize some of the larger ones below.

Beginning with 2015's very large over-runs, the next table shows that they were substantial.

Large 2015 Capital Over-Runs

			0		
Co.	Projects	Budget	Actual	Variance	Explanation
Gas	7	\$6.570	\$12.012	\$5.442	various
Electric	3	\$1.372	\$5.389	\$4.017	"more complex than estimated"
Total	10	\$7.942	\$17.401	\$9.459	

Dollars are in millions

The explanations provided for the over-runs were:

- Electric: work proved greater than anticipated at budget preparation
- Gas: work exceeded budgeted amounts; the budget was significantly lower than the historical average.

The "Finance Project" accounted for a very large underrun, for two primary reasons: (a) reversal of an accrual and re-allocation to individual projects, and (b) an unbudgeted project cost underrun. The next table summarizes these effects.

Large 2015 Finance Project Capital Variance

Co.	Budget	Actual	Variance	Explanation
Gas	\$1.512	\$(7.818)	\$(9.333)	Accounting reversal
Electric	0	\$(3.295)	\$(3.295)	Project under-run
Total	\$1.512	\$(11.113)	\$(12.625)	

Dollars are in millions

Unbudgeted 2015 IT capital costs charged out from Oakville caused another 2015 capital cost variance. The next table summarized the increased cost to New Hampshire of about \$1.5 million.

Unbudgeted 2015 IT Costs

Co.	Budget	Actual	Variance	Explanation
Gas	\$0	\$0.954	\$0.954	Oakville "IT and Systems allocation"
Electric	\$0	\$0.506	\$0.506	"Corporate IT Charged out"
Total LU-NH	\$0	\$1.460	\$1.460	

Dollars are in millions

As was true for 2014, growth projects also grew well beyond expectations, increasing New Hampshire 2015 capital costs by \$7.5 million. Management explained the increase as "Additional Growth Jobs Identified and Released in Support of Growth Strategy." Again, however, 2015 Growth projects did not appear among the significant number of Emergent Projects listed as approved.

Under-Budgeted 2015 Growth Project Costs

Co.	Budget	Actual	Variance	Explanation
Gas	\$7.830	\$13.601	\$5.771	"Growth Total less INAT Gas"
Electric	\$1.350	\$3.110	\$1.760	"Commercial and Residential Blankets"
Total LU-NH	\$9.180	\$16.711	\$7.531	

Dollars are in millions

Unplanned carryover of prior year budgeted costs and incorrect allocations also produced a significant variance in 2015, as they had in 2014. The next table summarizes them.

Carryover and Misallocation Driven 2015 Capital Overruns

Co.	Budget	Actual	Variance	Explanation
Gas	0	\$1.706	\$1.706	2 projects - "Carryover from 2014 Work"
Electric	\$1.500	\$4.225	\$2.725	14 projects - "Carryover work from 2014"
Gas	\$1.200	\$1.798	\$0.598	"Overhead disproportionately charged to project"
Electric	0	\$0.150	\$0.150	"Expense Project"
LU-NH Total	\$2.700	\$7.879	\$5.179	

Dollars are in millions

Other significant over- and under-runs occurred in 2015 as well. The next table summarizes them.

Co.	Budget	Actual	Variance	Explanation					
Gas	\$0.500	\$2.791	\$2.291	Scope expansion added paving, main extension,					
Gas	\$0.500	\$2.791 \$2.291	\$2.791	\$4.791	\$2.791	\$2.291	1 \$2.291	./91 \$2.291	engineering
Gas	\$3.600	\$0.109	\$(3.491)	"Placeholder" for NH Gas acquisition					
Electric	\$5.380	\$0.337	\$(5.043)	"Projects Delayed Until 2016"					
Gas	\$12.511	\$6,000	\$(5.521)	"Used main replacement budget for fitting					
Gas	\$12.311	.511 \$6.990	\$0.990 \$(3.321)		replacement"				

Dollars are in millions

LU-NHE added 14 Emergent Projects during 2015, with a budgeted amount of about \$415,000. We observed capital spending of about \$225,000 on three of these projects. LU-NHG added 21 Emergent Projects in 2015 for a budgeted amount of about \$836,000. We observed expenditures of \$138,000 on three of the projects. We found spending of \$596,000 on a fourth, for which only \$15,000 had been requested.

e. 2016 Capital Budgets

The next table shows the 2016 capital budgets for LU-NHG and for LU-NHE. The capital budgets are prepared by line item and are grouped by five capital categories: safety, growth, mandated, regulatory programs and discretionary.

NLU-NHG 2016 Capital Budget

Priority	Project #	Project_Description	EN 2016 Capital Budget
3. Growth	8840-C18806	INAT Gas	160,000
	8840-ENI101C	Growth Customer Contribution Budget Placeholder	-200,000
	8840-ENI101	Growth New Main	1,900,000
	8840-ENI102	New Reinforcement Main for Growth	1,700,000
	8840-ENI158	Marketing & Sales	150,000
	8840-ENI161	Growth Fitting	300,000
	8840-PCN150	New Service Residential	3,500,000
	8840-PCN152	New Service Comm/Industrial	1,000,000
	8840-PCN153	Reserve for Unidentified Growth	4,750,000
. Growth Total			13,260,000
	8840-C18750	Install Security Equipment - EN Facilities	50,000
	8840-ENI005	Inactive Service Program	160,000
	8840-ENI006	Cathodic Protection Program	750,000
	8840-ENI007	Replacement Services Random (Non Leaks)	425,000
	8840-ENI077	Replacement Services Random (Due to Leaks)	250,000
	8840-ENI100	Meter Work Project (Changes)	200,000
	8840-ENI100P	Meter Work Project (Meter Purchases)	1,300,000
	8840-ENI103	Main Replacement City/State Construction	4,500,000
	8840-ENI137	Service Replacement City/State Construction	600,000
	8840-ENI163	Service Replacement Fitting City/State Construction	60,000
	8840-REL108	LNG/LPG Capital Improvements	165,000
	8840-REL110	Valve Installation/Replacement	100,000
	8840-ENI160	Corrosion & Miscellaneous Fitting	100,000
	8840-ENI002	Meter Protection Program	50,000
. Mandated Total			8,710,000
	8840-ENI107	Main Replacement LPP	9,000,000
	8840-ENI117	Service Replacement LPP	1,100,000
	8840-ENI162	Main Replacement Fitting LPP	180,000
l. Regulatory Programs			10,280,000
5. Discretionary	8840-C18800	Upgrade Hi Line - Concord to Tilton	12,000,000
	8840-C18801	K Meter Replacement Program	50,000
	8840-C18802	Install Main Daniel Webster Highway Merrimack	500,000
	8840-ENI164	Main Replacement Reactive	250,000
	8840-OTH-111	Dispatch and Control Center	10,000
	8840-OTH-112	Purchase Misc Capital Equipment & Tools	150,000
	8840-OTH-113	Facility Improvements & Additions - Various	300,000
	8840-OTH-114	Transportation Fleet and Equipment Purchases	1,200,000
	8840-OTH-115	IT - Software, Equipment & Infrastructure	230,000
	8840-REL105	Gas System Planning & Reliability	500,000
	8840-REL106	Gas System Control & Regulation	300,000
	8840-REL109	SCADA Capital Improvements	10,000
	8840-C18817	Install Solar Panels - EN Buildings	150,000
	8840-C18823	Pre-Code Stee Pipe Protection Program	100,000
	8840-C18824	Aldyl-A Replacement Program	50,000
. Discretionary Total	0070 010024	, adj. / (Topiacomone Frogram	15,800,000
Grand Total			48,050,000

Grand Total 48,050,000

Priority 1 = Safety - there are no safety priority projects in 2016

NLU-NHE 2016 Capital Budget

Priority	Project #	Project_Description	GSE 2016 Capital Budget
3. Growth	8830-CD0291	Sky View URD - Salem, NH	10,000
	8830-CNN010	GSE-Dist-New Bus-Resid Blanket	1,050,000
	8830-CNN011	GSE-Dist-New Bus-Comm Blanket	1,200,00
	8830-CRSRVNBC	CReserve for New Business Residential	50,000
		Reserve for New Business Commercial Unident specific & SC	100,000
3. Growth Total			2,410,000
2. Mandated	8830-C14646	IE-NN UG Structures and Equipment	5,000
	8830-C18750	Security Conversion GSE	25,000
	8830-C21595	01663 GS Storm Program Proj	50,000
	8830-C26263	NN D-Line Work Found by Insp.	50,000
	8830-C36433	Distribution Feeder Power Factor Correction	25,000
	8830-C36435	Lebanon Area Low Voltage Mitigation	50,000
	8830-CN4104	01659 Granite St Meter Purchases	250,00
	8830-CN4120	01660 Granite St Transformer Purchases	350,000
	8830-CNN002	01737 GSE-Dist-Subs Blanket	50,00
	8830-CNN004	GSE-Dist-Meter Blanket	20,000
	8830-CNN007	GSE-Dist-Water Heater Blanket	121,000
	8830-CNN009	GSE-Dist-Land/Land Rights Blanket	10,000
	8830-CNN012	GSE-Dist-Earlier Earlier Highlig Blanket	225,000
	8830-CNN013	GSE-Dist-Public Require Blanket	400,000
	8830-CNN014	Dist-Damage&Failure Blanket	800,000
	8830-CNN015	GSE-Dist-Reliability Blanket	400,000
	8830-CNN016	GSE-Dist-Reliability Blanket GSE-Dist-Load Relief Blanket	75,000
	8830-CNN017	GSE-Dist-Asset Replace Blanket	400,000
	8830-CNN020	Dist-Transf/Capac Install Blanket	10,000
	8830-CNN021	GSE-Dist-Telecomm Blanket	10,000
	8830-CNN022	GSE-Dist-3rd Party Attach Blanket	110,000
2. Mandated Total	8830-CNN023	GSE Distributed Generation Blanket	75,000 3,511,000
4. Regulatory Programs	8830-C18603	Bare Conductor Replacement Program	1,200,000
	8830-C20473	IE - NN Recloser Installations	250,000
	8830-C36423	Mt Support Sub- New LP Fdr Pos	3,700,000
	8830-C36424	Mt Support-New 16L3 Feeder	1,550,000
	8830-C36425	Mt Support-New 16L5 Feeder	100,000
4. Beguletemi Bregreme		ivit Support-New ToL5 Feeder	6,800,000
Regulatory Programs Discretionary		DCSI Astirity New Horsenskips	
	8830-C13968	PS&I Activity - New Hampshire	10,000
	8830-C18620	Charlestown 32 Dline	5,000
	8830-C18630	Charlestown DSub	15,000
	8830-C21093	IE-NN Dist Transformer upgrades	25,000
	8830-C22214	NN ERR/Pockets of Poor Perf	50,000
	8830-C26061	NH ARP Relay & related	5,000
	8830-C31402	IE-NN URD Cable Replacement	100,000
	8830-C33766	NEN-NH Electric Fence FY10	25,000
	8830-C36427	Feeder Getaway Cable Replacement	100,000
	8830-C36430	Pelham Sub-Add 2nd Xfmr and Fdr Pos	600,000
	8830-C36431	Pelham-New 14L4 Fdr	350,000
	8830-C42901	Underperforming Feeder Program	50,000
	8830-C42851	Enhanced Bare Conductor Replacement	500,000
	8830-C42852	Pelham-New 14L5 Fdr	150,00
	8830-CNN006	GSE-Dist-Genl Equip Blanket	50,000
	8830-CNN025	IT Systems & Equipment Blanket	25,00
	8830-CNN026	Misc Capital Imprvmnts GSE Facilities Blanket	100,000
	8830-CNN027	Transportation Fleet & Equip. Blanket	250,000
	8830-CRSRVARS	CReserve for Sub Asset Repl Specifics	25,000
	8830-CRSRVDF_	01 Reserve for Damage/Failure Unidentified Specifics &	75,000
		0 Reserve for Load Relief Unidentified Specifics	25,000
	8830-CRSRVLRL	o reserve for Load relief officient filed opening	20,000
		01 Reserve for Public Requirements Unidentified Specifics	50,000
	8830-CRSRVPR_	·	

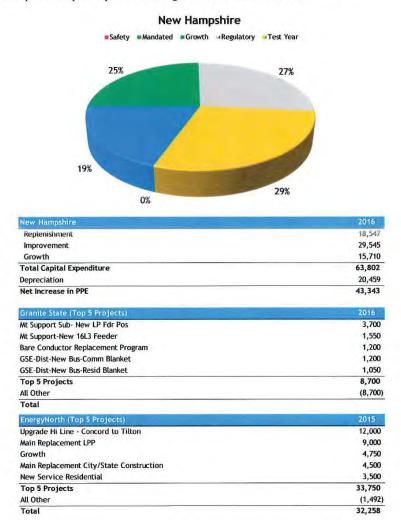
Grand Total 15,406,000

Priority 1 = Safety - there are no safety priority projects in 2016

The annual capital expenditure budget presented to the parent board of directors each December simplifies the underlying details, presenting expenditures in "replenishment", "improvement" and "growth" categories. It measures the net increase in property, plant and equipment assets (rate base) that results. That budget shows the top five projects for LU-NHG and for LU-NHE. The next illustration depicts a page from the 2016 capital budget for New Hampshire, as presented to the parent board of directors on December 3, 2015.

New Hampshire

New Hampshire's capital expenditure budget is expected to be \$43.3M million higher that depreciation expense in 2016. The following is a table and chart summarizing New Hampshire's capital expenditures along with the net increase in PPE.



f. O&M Budgeting

The New Hampshire finance department serves as "coordinator and consolidator" for the annual budget process. The group uses business planning templates to support this effort. The process

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begins in August for the O&M budget. The senior manager of finance in New Hampshire issues a memo to department managers describing the budget process, and providing detailed instructions and schedules for budget reviews. The key input for department managers is employees added or reduced for the budget year.

The senior manager finance provides planning guidelines and assumptions. Each budgeting department uses the same input template for operating expenses. Each cost center has responsibility for its own budgets. The functional managers with budget responsibility develop operating expense budgets, using a bottom-up approach.

Human resource information and assumptions are provided by Oakville for use by the cost centers. The departments input salaries, office supplies, facilities costs, vehicles and other direct costs into their operating expense budgets. The operating expense budgeting process schedule includes time allowances for budget iterations. Each cost center builds a one-year budget only.

The Company first focuses on refining the first year of the five-year forecast. Each responsible budget area begins with a dollar target that management expects the budgets to approximate. The dollar amount of operating expenses approved in the last rate order drives that target. Management expects first budget iterations to approximate the target, absent specific new initiatives or explanations supporting exceptions.

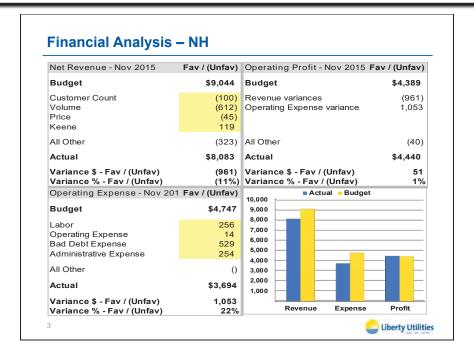
The development of revenue for the budget is prepared under the direction of the Vice President of engineering and procurement. Oakville provides a "push-down" of the headquarters business services costs and corporate allocations to New Hampshire.

g. Budget Performance Management

Local management for New Hampshire uses a monthly financial reporting process to manage performance to and variances from the annual budget. The accounting books close monthly on about the seventh business day of each month. The senior manager of finance provides a "flash report" on about the fifth business day of the month. It provides a heads up on performance before the books close. The company prepares actual-to-budget-comparisons after the close of the accounting books (on the 8th or 9th business day), termed the President's Report.

Budget reporting to Oakville (and budget variance management) takes place in an "operations call" that occurs in the third week of each month. A PowerPoint presentation is prepared for the Oakville finance group. The call participants discuss it. The New Hampshire state president, vice president-finance, and senior manager finance present the financial results summarized in the PowerPoint presentation. The monthly presentation uses a consistent format that covers the same results and financial metrics for each month and for the year after the books close in January.

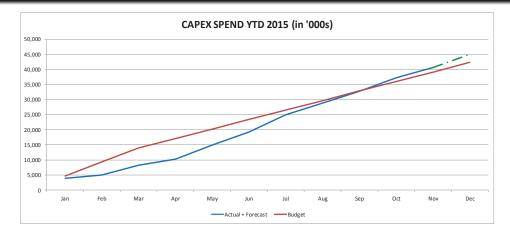
Financial analysis charts are prepared for New Hampshire as a whole and for electric and gas separately. The next illustration depicts the financial analysis format.



Net revenue variances by customer class are also analyzed, as is a breakdown of the components of earnings before taxes (EBIT). The EBIT budget number is shown graphically, and variances in net revenue, operating expenses, business services, corporate services, depreciation and amortization and other income are shown, to arrive at the actual result for the month, quarter, or the year depending on the period being examined. A scorecard is next shown. It includes red and yellow issues (versus green for positive performance). Scorecards are tied to annual goals. Depictions show scorecard measurables whose results are "in jeopardy," and need attention. The December 2015 presentation included monthly, quarterly and year-to-date performance measurements. The big issues in this particular month were OSHA recordable injuries, vehicle accidents (MVAs), accurate and timely billing, customer satisfaction survey for electric, net income, bad debt expense, and the outreach program.

Capital spending for the year to date is showing on a single chart (illustrated below), showing total New Hampshire CAPEX performance. A chart detailing customer service level trends by month is shown next. Finally, the December 2015 report had three slides at the end related to customer expansion projects and sales on those projects.

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The Vice President-finance notes that the presentation for the operating call is in the same general format for every month.

The manager of engineering has a "separate budget meeting" with the heads of electric and gas engineering, project managers, engineers, and New Hampshire finance managers. A monthly report on capital spending and variances is sent to project managers, who then enter the expected forward spend for each project for the quarter, and through the end of the year. Two project managers, one for gas and one for electric, report to the manager of engineering, and on a monthly basis provide updates for all projects. The project managers also provide updates for spending on the "blanket programs", which are routine categories that are budgeted on an annual basis. The project managers have capital planners on their teams who support capital reporting.

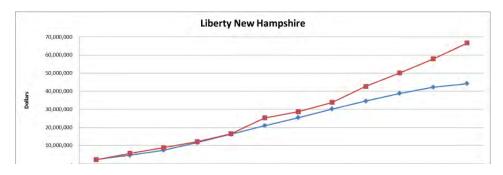
The project managers are responsible for project spending, performance and variances. The project managers are instructed to identify variances before they actually happen to plan mitigation. If capital spending above the project budget is expected, a re-authorization request for additional capital is prepared and sent to Oakville finance. At the end of the year, the manager of engineering prepares a report that explains the CAPEX variances and lessons learned. A memorandum on 2014 capital expenditures variances dated November 1, 2014 addresses these particular issues:

In accordance with the Liberty Utilities Project Expenditures Policy and Procedure, the local management team is responsible to close out the capital year spend through the Overage/Underage process. For all projects, over-budget variances exceeding 10% (Minimum \$50,000) of the approved budget requires approval by the local management team (Local Director of Engineering and State President). Under budget variances will be reviewed in the project close out report and will be reviewed at the local level....

The Liberty Utilities capital budget team has agreed to conduct the budget overage/underage reconciliation at the end of the fiscal year.

The New Hampshire finance group prepares a year-end financial results recap in the form of a PowerPoint presentation. The topics covered in the presentation are an "Efficiency Scorecard" that

includes financial returns, an EBITDA analysis for New Hampshire, an operating cost analysis for New Hampshire, net revenue analyses for both electric and gas, a brief "Efficiency Analysis" and the New Hampshire total capital spending chart by month, as shown below. These presentations were prepared for 2014 and 2015 and were provided for review. The chart below purports to show capital spending for Liberty New Hampshire for 2014; capital expenditures exceeded the approved budget by about 22.5 million, or approximately a 50 percent overspend. Note that these results are not consistent with company reconciliations performed at a later date.



C. Conclusions

1. Liberty Utilities' strategic plans, as complemented by five-year forecasts, are well organized and thorough, presenting a clear vision, mission and strategies.

Liberty Utilities has a clearly stated vision, mission, investment thesis and values that are communicated through the strategic plan. The vision and mission set the tone and direction for planning and operating the company. Liberty Utilities prepared formal strategic plans in 2013 and 2014; each covered the immediately following five-year planning period. A strategic plan was not prepared in 2015, but a five-year forecast was prepared and utilized.

The strategic planning processes in 2013 and 2014 each began with a "SWOT analysis" prepared by the Liberty Utilities state presidents and the top 10 officers of Liberty Utilities. The SWOT analysis is intended to drive the focus of strategic planning for the next five years. The New Hampshire state president has input on the direction and focus of strategic planning on the front end as a result. The formal strategic plan is prepared by Oakville planners and executives, which is appropriate for high-level planning.

The New Hampshire utilities also have input to the strategic plan through the development of a five-year capital plan that is included in the five-year forecast. This input is the opportunity to place New Hampshire's future capital needs into the strategic planning process for consideration.

2. Strategic plans and five-year forecasts focus on acquisitions and organic growth initiatives to meet aggressive financial metric targets.

The Liberty Utilities five-year forecast includes specific targeted financial metrics around which the forecast is constructed. The scenarios developed for the forecast include at least one "Directional scenario" that will meet all of the financial goals for five years. For instance, the 2014 strategic plan and financial forecast included the following target financial metrics:

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- Double EBITDA in five years
- Grow EBITDA in every year
- Grow EBITDA on existing assets in every year
- Maintain a triple-B credit rating.

The Directional scenario was constructed to meet all of these five-year financial objectives. In addition, the Directional scenario included the target financial metrics, plus an EBITDA interest coverage minimum, a total debt to capital maximum level and an FFO/Debt metric of 13 percent for the regulated utilities. The acquisition of Park Water in 2016 and investments in LNG in 2015 through 2017 were added to the Baseline. Hypothetical acquisitions were planned in 2018 and 2019. The result of the Directional forecast was to double EBITDA from 2015 to 2019, as was targeted in the process. The Directional scenario in this five-year plan is clearly built to show the type of growth projects and growth levels that would be required to meet the five-year financial objectives.

3. Strategic plans have strategies and initiatives for operations, human resources and customer service, but specific goals and target metrics are not evident. (Recommendation 1)

Operating strategies and initiatives had a clear and prominent place in the 2013 and 2014 strategic plans and related five-year forecasts. Strategies included human resources initiatives and operations initiatives related to customer service. However, we observed no target metrics for measurements for human resources, customer service, or operations and reliability set forth in the strategic plans or the five-year forecasts.

Specific and measurable metrics for these functional operations are needed in strategic planning to set specific goals and target levels that are "bought into" at the executive and Oakville levels, while also being understood by local employees. Target operational metrics will also allow the Oakville headquarters to monitor performance against operational metrics, which is required for effective operational control over the New Hampshire operations.

In contrast, the five-year forecasts include very specific financial metrics around which the forecasts are built. Such target metrics should also exist for important operations and service levels.

4. Capital expenditure envelopes allocated by the Oakville headquarters have not been restrictive for New Hampshire operations.

An important outcome of strategic planning and five-year forecasts is the allocation of capital at the holding company level, and its adequacy for New Hampshire utility operations. The process for determining the level of capital expenditures for New Hampshire operations that are included in the five-year forecast is shown in the kick off instructions, "Scope of Deliverables" prepared by Oakville finance:

Oakville to work with regions to establish envelope of CapEx that satisfies ROE% requirements... Oakville will have one-on-one discussions with regions early next week (March)

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As noted by this passage, Oakville finance and New Hampshire executives discuss capital expenditure levels for the five-year forecast. New Hampshire supplies a proposed five-year capital expenditure plan that local management believes should meet operational needs. Oakville finance seeks to ensure that long-term financial goals are met, which is a function of assumptions regarding capital expenditures and cost recovery thereon. The two parties work to determine an "envelope", or range of capital expenditures for each forecast year. This envelope represents a "soft cap" on capital expenditures based on financial metrics.

The total New Hampshire levels for capital expenditures included in the 2015 five-term forecast for the years 2016 through 2020 was \$54 million for 2016, and between \$40 million and \$48 million in each the following four years. We believe that these levels represent sufficient allocations of capital expenditure dollars for New Hampshire operations, based on past capital budget levels.

We also note that the company has an Emergent Program Process to add capital projects or programs to the approved capital budget that "emerge" during the budget year. This process should provide additional flexibility for the New Hampshire operations to obtain the capital required to fund effective utility operations.

5. Strategic planning and the five-year plan are effectively linked to the budgeting processes.

The Liberty Utilities strategic plan and the five-year forecast are developed in an annual planning process that begins in March and ends in July with a presentation to the Algonquin Board of Directors. Both the strategic plan and five-year forecast include a five-year capital plan that is a key component in building the plan.

The board presentation provides a forum for executive and board of directors' questions and comments regarding the plans. Following the presentation and board comments and any adjustments required, the plans are "finalized" (but not approved by the board), and the Liberty Utilities budgeting processes begin. Using the first year of information in the five-year forecast as a template, budgets are developed from the bottom-up that refine the first year of information.

Budgets are the execution plan for the first year of the strategic plan, including approvals for one year of capital expenditures and operating expenses. The strategic plan, five-year forecast and the budget are closely linked by this process. The budget execution plan should show substantive progress in the first year of the strategic plan toward meeting its five-year goals and objectives.

6. Budgeting processes for operating expenses, revenue and earnings are generally well organized, timely and effective.

The New Hampshire budgeting process for operating expenses, revenue and earnings are effective and efficient in both their construction and results.

The first focus in the operating budget process is to review and refine the first year of the five-year forecast. Each responsible budget area begins with a dollar target that management expects the budgets to approximate. The dollar amount of operating expenses approved in the last rate order drives that target. Management expects first budget iterations to approximate the target, absent specific new initiatives or explanations supporting exceptions.

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The management reporting process to Oakville and budget variance management takes place in an "operations call" that occurs in the third week of each month. A PowerPoint presentation is prepared for the Oakville finance group that is presented and discussed on the operations call. The monthly presentation is in a consistent format that covers the same results and financial metrics for each month and quarter.

The New Hampshire finance group also prepares a year-end financial results recap in the form of a PowerPoint presentation. The topics covered in the presentation are an "Efficiency Scorecard" that includes financial returns, an EBITDA analysis for New Hampshire, an operating cost analysis for New Hampshire, net revenue analyses for both electric and gas, a brief "Efficiency Analysis" and the New Hampshire total capital spending chart by month. The 2014 EBITDA for LU-NH was \$43.8 million, or \$2.9 million greater than the budget, a 7 percent favorable variance. Actual operating expenses were about \$2.5 million over budgeted amounts, or a negative variance of about 4.5 percent.

In 2015, earnings before taxes were about \$3.3 million, or about 14.8 percent below budget. The negative variance was caused primarily by depreciation and amortization expenses that were \$5.4 million greater than budget, despite positive performance in net revenue and operating expenses of about \$3.3 million.

7. The CapEx budgeting process does not provide required analysis, business cases and detailed cost estimate packages prior to budget presentation to and approval by the local management, Oakville senior management, or the parent board of directors. (Recommendation 2)

Liberty Utilities – New Hampshire has significant timing issues in providing capital expenditure analysis and business case packages for review and approval at executive levels. The CapEx budgeting process is one of the most crucial in effectively operating capital-intensive utility companies, making insufficiencies in this area a significant management issue.

The budgeting processes for the 2016 budget cycle specified that completed budgets, including the capital budget, were to be submitted to New Hampshire finance by September 3, 2015. The budgets were consolidated and submitted to the state president for first review by September 11th. Several budget iterations then occurred between department heads and the state president prior to his approval. The budget is then sent to the Oakville finance group. During October and November, the New Hampshire budget is discussed between the state president and Oakville, prior to approval by Oakville finance in November. A budget presentation is prepared for the parent board of directors, to be reviewed and approved in early December.

All analysis, business cases, capital expenditure applications and detailed cost estimates should be completed, packaged and presented to the New Hampshire state president for review and approval before the middle of September. When the capital expenditure packages are sent to Oakville, its management should also review the entire capital expenditure packages before approving the New Hampshire budget in November.

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Our review of the capital budget packages for the budget years of 2014, 2015 and 2016 found that the packages were dated and approved by New Hampshire during the budget year -- not prior to budget review by the state president in September of the previous year. In fact, the capital packages were not approved until May 1, June 1 and March 31 of the budget year in 2014-2016, respectively. Thus many projects were well underway before they had been analyzed and approved by managers. Since this information was not prepared until several months later, the state president, Oakville finance and the parent board were approving capital budgets of 80 plus line items that appeared not to have been:

- Fully analyzed
- Subjected to consideration of alternatives
- Supported by business case and capital expenditure applications
- Subjected to detailed cost estimates.

The table below is a recap of the timing of the capital budget packages for the 2014, 2015 and 2016 capital budgets. The packages generally included an abbreviated 1-page business case and a 2-page Capital Project Expenditure Application.

	Date	* *	Board Budget Approval Year		Projects End
2014 Projects	5/1/2014	5/1/2014	2014	1/1/2014	12/31/2014
2015 Projects	6/1/2015	6/1/2015	2015	1/1/2015	12/31/2015
2016 Projects	1/1/2016	3/31/2016	2016	1/1/2016	12/31/2016

8. The New Hampshire capital budget packages do not provide detailed business case analysis for the growth, discretionary and regulatory supported projects as specified in the applicable Capital Expenditure Policy. (Recommendation 2)

Liberty Utilities has a Capital Expenditures Planning and Management Policy and Procedure document (Version 2.1 dated September 21, 2015). However, the New Hampshire operations are not following the policy requirements, especially the requirement that business cases be fully prepared for certain types of expenditures.

Under Section 8.1 of the policy, specifications for the requirement of business case preparation are presented:

8.1 Business Case

The following types of projects require a business case to be approved:

- Growth, Regulatory Supported and Discretionary projects, or portfolios, over \$50,000
- Unplanned projects over \$50,000, outside of safety where an expenditure application should be used

The policy provides a business case example that shows the type of categories and information and analysis to be provided. These business case categories are: recommendation, objective,

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background, alternatives/options, financial assessment, risk assessment/qualitative evaluation, and implementation/action plan.

With regard to at least three of the categories, management has not prepared the types of analysis required for its business cases for each of the budget years 2014 to 2016. Management did not provide the types of analysis prescribed for growth, discretionary and regulatory supported projects regarding alternatives/options, financial assessment and qualitative evaluation. The capital expenditure policy for business cases is specific in the type of analysis expected. In particular, we did not find alternatives identified and analyzed, and net present value or internal rate of return analysis was not prepared (as required in the Policy) in the business cases that we reviewed.

9. Recent capital expense variances demonstrate a lack of effective control of capital expenditures. (Recommendation 3)

Combined, the electric and gas businesses in New Hampshire experienced capital budget over runs of over 70 percent in 2014. Not only was the total variance large, but the individual variances that comprised it were many and in some cases extremely large. The causes were multiple, and the effects hit both the gas and electric businesses in New Hampshire. We observed:

- Extremely large overruns on individual projects
- An overrun of close to 20 times the corporate IT charges budgeted to be assigned to New Hampshire
- A \$10 million charge to New Hampshire for a "finance project" (similar to that described earlier) that had not been in the capital budget at all
- An increase of \$12 million in New Hampshire capital costs for unbudgeted growth projects, carryover of work from 2013, and mischarged costs
- Over \$10 million in under-runs due to project delays.

The number, size, and nature of the variances is extraordinary, and present a picture much more of opportunistic than well-planned capital spending. Our review evidenced widespread capital planning problems and capital budget execution. APUC's circumstances heighten the concern further in that utility operations must compete for capital with other demands imposed by a company with an unusually aggressive growth strategy, particularly one that involves acquisitions as a central element. Also discomforting is the repeated emphasis that planning documents show for investments that drive returns, as compared with less detail and emphasis on utility operating metrics.

Capital expenditure performance in 2014 did not give confidence that the details underlying capital plans (see the preceding conclusion) or attention in managing to those plans is effective.

The total New Hampshire capital budget variance dropped remarkably in 2015, but that drop should not mask what remains a striking number, size, and breadth of variances at the detailed level. The continuation of these variances confirms the concerns about details underlying capital plans (see the preceding conclusion) and whether or not the attention in managing to those plans is effective.

The variance for LU-NHG was low (about two percent). The LU-NHE variance remained high enough to be of concern (costs exceeded budget by 15.1 percent). The continuing large number

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and magnitude of capital budget variances at the line item level, and the many and varied reasons for the variances continue to evidence a lack of effective capital planning and capital budget execution.

Major variances were recorded on almost every line of the electric and gas 2015 capital budgets. Gas budget "over-runs" totaled about \$16.7 million, but were more than offset by about \$18.3 million of "under-budgets". In other words, \$35.0 million of variances were recognized, on a budget of only \$32.3 million. The problem with these huge variances on individual projects and programs is that the capital budgets prepared for and approved by New Hampshire management, Oakville management and the parent board of directors simply are simply not being followed. Dollars are not spent on the capital categories represented in the approved budget.

10. New Hampshire and Oakville management did not effectively monitor and control problems with capital budget timing or 2014 and 2015 capital expenditure performance. (Recommendation 4)

Conclusion 7 above reports that important analysis, formal applications and project estimating work on capital budgets occurred well after senior management and Board of Directors approvals of the capital budget for each the 2014, 2015 and 2016 budget years. New Hampshire executive management and Oakville executive management approved each of these capital budgets without important analytical and estimating work having yet been performed or reviewed. The capital expenditure approvals were based on insufficient evaluations and assessments performed by senior management as a result. The capital budget processes violate the company's own capital expenditure policies as well as that of good utility business practice.

The monitoring and control of capital expenditures also shows little attention paid to this area as compared with greater focus on earnings, revenue and operating expenses. New Hampshire's monthly reports to Oakville include a single chart measuring capital expenditure spend to budget in total, and does not include any analysis. Year-end reports by the New Hampshire utilities to Oakville include analysis on EBITDA, operating costs, net revenue, funds from operations and organic growth. Again, the one-page capital expenditure chart with no analysis is presented.

Also included in the 2014 year-end presentation was an "Efficiency Scorecard" that reports Capital Budget Efficiency scores are "100%" for actual expenditures with a target of 100%. This scorecard misleadingly indicates excellent performance on the capital budget. In the same document, however, capital expenditure actuals are shown at \$66.6 million and the budget at \$44.1 million. We also note that the actual capital spend was inaccurate, as capital expenditures were later reported as \$77.3 million for 2014. The lack of accurate information in the year-end reports also does not indicate effective monitoring or control of the capital budget.

11. New Hampshire executive management and Oakville executive management did not take action to mitigate problems with capital budget process timing and reconciliations of 2014 capital expenditure performance. (Recommendation 4)

Senior management at the New Hampshire and Oakville levels has apparently not taken effective action to change the timing of the capital expenditure processes noted in previous conclusions. The capital analysis packages for the 2016 budget were prepared well after senior management and Board approvals of the capital budget, as was also the case in 2015 and in 2014.

The New Hampshire engineering department prepared a variance reconciliation and explanation on a line-by-line basis for the 2014 capital budget. This reconciliation and analysis was reportedly prepared in July 2015. The 2015 capital variance analysis was prepared in early May 2016. We believe that such an important management tool for the capital expenditure budget should be prepared as soon as possible after the books close for the year in January. The lack of timely analysis causes Liberty to conclude that appropriate management action to fix problems with the capital expenditure budget have not yet been implemented.

New top New Hampshire leadership was not present during 2014. We understand leadership's view as not being aware of any 2014 capital budget problems and as focusing on actual levels of capital spend as compared to budget late in 2015, focusing on conforming to the total dollar budget. Under the circumstances, a more granular view appears necessary to bringing meaning to capital planning for New Hampshire.

D. Recommendations

1. Incorporate into the Liberty Utilities' strategic plans and five-year forecasts specific operational metrics as objectives for the planning process. (Conclusion 3)

Liberty Utilities' five-year forecasts are driven by targeted financial metrics that are clearly defined. Liberty believes that operational metrics should be included in the five-year forecast that also drive the planning process, and allow increased monitoring and management of operational issues by Liberty Utilities, Oakville and the holding company.

2. Redesign and rigorously apply the capital budgeting process so as to ensure the provision of full project business cases and program capital expenditure applications by September for the following budget year. (Conclusions 7 and 8)

Business cases for growth, discretionary and regulatory support should also be performed according to the company's capital expenditure policy, which includes NPV analysis for these projects. The budget process should result in capital packages that are finalized and approved by (sequentially) the state president, Oakville finance and by the parent board of directors in December.

3. Manage the capital budgets to annual variance tolerances of plus or minus 5 percent for total expenditures and plus or minus 20 percent for individual projects and line items. (Conclusions 9)

Liberty Utilities New Hampshire should establish and use variance tolerances for capital expenditure budget performance that are specific and provide measurements for performance levels. For instance, "good performance" tolerances should be 5 percent or less, moderate be 5 to 10 percent, and unacceptable for 10 percent or more of the total budget. Tolerances should also be established for individual projects and line items, to emphasize and ensure that capital budget management produces the spending on the priorities and specific needs that are addressed in the Approved Capital Budget.

Focused Management Audit of Liberty Utilities Planning and Budgeting Public Final Report

4. Change monthly and year-end management reporting processes to include monitoring and detailed analysis of capital expenditure spending and variances. (Conclusions 10 and 11)

Monthly management reports and meetings at the New Hampshire level should start to include capital budget reporting, variance analysis and variance mitigation on a line-item basis. Management of the capital budget must become a greater focus for the state president and vice president – finance.

5. Replace the monthly "operating call" presentations and year-end management reporting processes with Oakville with a more structured, documented monitoring and detailed analysis of capital expenditure spending and variances. (Conclusions 9 through 11))

Oakville should begin to monitor and manage line item performance of the capital budget on monthly, quarterly and annual bases.

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Policy/Procedure: Capital Expenditures –Planning and Management



Liberty Way Policy & Procedures

Capital Expenditures
Planning and Management

October 23, 2018 V[3.0]

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Version History

Cision instal					
Version	Date	Author	Comments		
1.0	December 31, 2013	G. Tremblay	Initial Publication		
2.0	March 16, 2015	F. Chen Naden	Material updates to policies, procedures, templates and forms used in the planning and management of Capital Expenditures.		
2.1	September 21, 2015	F. Chen Naden	Increased threshold from \$25,000 to \$50,000		
3.0	October 23, 2018	J. Peellegoda; R, Caputo	Update to overall policy		

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1.0 Executive Summary

Liberty Utilities Co and its subsidiaries (collectively "LU") incur capital expenditures for a variety of projects each year depending on growth trajectories, maturation of assets, statutory requirements, and extraordinary occurrences. Both planned and unplanned capital expenditures designed to meet business needs are to be subject to the policies and procedures in this document.

Five categories will be utilized to organize and prioritize Capital Expenditure requests. The categories are as follows in descending priority:

- Safety
- Mandated
- Growth
- Regulatory Supported
- Discretionary

For **Safety** and **Mandated** initiatives, a Capital Project Expenditure Form ("CPE") Form (Appendix A) must be completed and approved regardless of the project size in order to commence with project activities.

For **Growth, Regulatory Supported,** and **Discretionary** initiatives greater than \$100,000, a completed Business Case (Appendix B) and CPE Form (excluding the CPE-Financial Summary section) is required for approval to commence with project activities, while projects with estimated costs less than \$100,000 will require a CPE Form completed in order to commence with project activities.

For cases where there may be a blanket of projects combining Safety & Mandated with Growth, Regulatory Supported, and Discretionary the process followed for project approval shall be as outlined in section 5.3.

This document also provides direction as to the level of autonomy regional and functional leadership can exercise as well as procedures to address changes, material variances, ongoing reporting, and expenditure closeout.

2.0 Objectives

To define the processes related to approving, monitoring, and reporting capital expenditures to ensure:

- Appropriate documentation is
 - o Prepared to reflect proper necessity, scope, cost, and schedule;
 - O Documentation is provided as part of the approval process; and
 - Retained in historical records in accordance with regulatory requirements and needs.
- Appropriate authorization is obtained before the start of all projects.
- Consistent evaluation of capital projects across the enterprise.
- Projects are completed within planned time frames, to approved cost allocations and with full scope delivery.
- Material changes to scope, timing, and costs are authorized appropriately by the regional or corporate leadership prior to their occurrence.

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- Effective and efficient deployment of capital resources across the enterprise are managed by regional leadership such that reallocation of capital according to evolving requirements, and priorities change within the region can be executed.
- Financial gains and ancillary benefits used to justify initiatives are achieved and impacts are reflected in subsequent monetary budgeting activities.

3.0 Definitions

Capital projects are projects which are net new to the company or spend which results in the furtherance to the life of an asset. Capital projects at LU are broken into five categories used to assess proposed projects. Respective definitions are provided below. These categories are to be used in both the development of regional capital projects and during the monitoring phase once projects are approved.

3.1 Blanket Projects

Blanket Projects are various smaller capital initiatives that are grouped together to constitute a total spend for projects with similar scope.

3.2 Capital Project

A capital project, both planned and unplanned, are designed to achieve stated objectives where one of the outcomes is materialization of, or improvement to, assets that can be listed on the company's Statement of Financial Position.

3.3 Discretionary

All other capital expenditure projects that do not fit within the four prior grouping will be grouped under the "Discretionary" category. The merits of each project will be assessed individually.

The following definitions are commonly used terms in this document. To prevent misunderstandings, or misinterpretations, explicit definition is provided below.

3.4 Functional Lead

Functional Leads provide corporate strategy, policy and procedural definition for their respective area of knowledge. They are accountable for defining and maintaining the framework under which regional businesses operate.

3.5 Growth

Expenditures categorized as "Growth" are those used to expand the physical plant. For example projects such as extending distribution mains or services, installation of new feeders, and expansion of substations. For capital expenditures where a gas, electric, or water system Line Extension Policy exists and is supported through approved regulations, the management and reporting of individual transactions is exempt from this policy. Rather, activities will be aggregating into a portfolio and managed as a grouped entity.

3.6 Growth Portfolio

To avoid the burdensome chore of administering and reporting on individual customer connections or line extension as independent projects, Growth projects are to be pooled into a group named "Growth Portfolio".

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3.7 IT Capital Portfolio

For any LU software application in any work process or functional group the procedure would follow the PMO -1.0 – Work-In-Take Process.

3.8 Mandated (by regulations or laws)

Expenditures categorized as "Mandated" are those used to meet statutory or regulatory compliance. To qualify for inclusion in this category, proposed initiatives must provide a copy of any applicable legislation, statute or regulation.

3.9 Project Champion

On behalf of the Project Sponsor, the Project Champion is accountable for completing project documentation and facilitating approvals. In some scenarios, the project champion may be the Project Manager; however it is acknowledged that many permutations exist where the two roles are separate. In the absence of a Project Manager, the Project Champion is responsible for ensuring appropriate job codes are established in Oakville and the regional utilities.

3.10 Project Completion

The Project Completion is dictated by the handover of the final product to the operations group and the closing of all the contracts and work order associated to the project spend

3.11 Project Manager

The Project Manager is the individual tasked to drive the project on behalf of the project sponsor and achieve the stated objectives. Where a Project Manager has been assigned, they are responsible for adhering to the required documentation (i.e. Business Case and/or CPE), in additional to obtaining relevant FWO codes via the regional LU accounting teams. Project Managers, in the absence of explicit direction, will always abide by Project Management Body of Knowledge principles.

3.12 Project Sponsor

The Project Sponsor is the individual with demonstrable interest in the outcome of a project who is ultimately responsible for securing financial and workforce resources to achieve stated objectives.

3.13 Regional President

Regional Presidents, also referred to as the Regional Lead, oversee their respective utilities and are accountable for achieving financial and operating metrics for their respective businesses. Regional Presidents have authority over workforce and capital resources granted to them provided that utilization is consistent with established corporate policies.

3.14 Regulatory Supported

Expenditures categorized as "Regulatory Supported" are those used to implement projects where special regulatory mechanisms have been established to accelerate the financial returns of specific initiatives.

3.14 Safety

Expenditures categorized as "Safety" are those used to reduce workplace hazards, accidents and exposure to harmful situations and substances. It is noted that expenditures addressing imminent dangers would be completed when identified.

4.0 Capital Planning vs Capital Budget Process

The journey to define capital budgets is often an iterative process characterized by the need for timely and accurate information in order to make informed decisions. The act of

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developing a budget is outside the scope of this document. For illustration purposes, Appendix G depicts a simplified budgeting process typically carried out annually between LU and the ultimate parent company, Algonquin Power and Utilities ("APUC").

In Summary, the Corporate Long Term Model is the driver for setting the capital budget for a succeeding year. At the time of forming a succeeding year's capital budget, a preliminary Business Case and/or CPE Form (using the templates provided in Appendix A & B) may be submitted for each project prior to the conclusion of the Corporate Long Term Model.

Once the Corporate Long Term Model and related capital budget is set by the APUC Board, Regional Liberty leadership are responsible throughout the successive year for planning the projects that fall within that year's set capital budget, inclusive of review and approval of CPE Forms and Business Cases not already submitted as part of the capital budget formation process (See Appendix G).

The blue boxes represent tasks that are usually completed within LU exclusively while green boxes depict activities with varying levels of APUC, or Liberty Power Co. ("LPCo"), participation. The contents of this document define requirements and practices related to the act of executing, or expending, the capital budgets. As such, red areas are focal points for this document, while blue areas are spheres of influence.

In preparation for, and in response to, various Board of Director functions, activities on the left side of the cycle shown in Appendix G would be completed in the first half of the year in an idealized scenario; whereas the right side of the process would be completed in the second half.

4.1 Assumptions

- As an input to the procedures outlined in this document, it is assumed all LU capital
 budgets are developed and approved outside of the activities governed by this document.
 This document details how expenditures are planned and monitored but does provide
 direction as to how budgets are to be derived in conjunction with APUC or LPCo.
- Capital projects submitted as part of the annual budget process are approved as part of the larger capital expenditure envelope of spend for any given year. Prior to actual spend on a specific project, the respective LU region will have to follow procedures noted under section 5 of this document.
- This Policy assumes that Regional and APUC Boards have authorize the envelope of spend for the succeeding years Capital Program.
- This Policy assumes that the regional accounting teams have utilized US Generally
 Accepted Accounting Principles (US GAAP) is assessing capitalization of spend on the
 respective capital projects For a further discussion on this process please see the Liberty
 Capitalization
 - Procedure.(http://community.libertyutilities.com/FinanceAndAdministration/Guidelines%20and%20Procedures/Processes/Liberty%20Utilities%20Capitalization%20Procedure%20-V1.pdf)
- As an input to the procedures in this document, budgets assigned to regions or functional
 groups are the responsibility of those parties. As such minor variances to approved
 projects or portfolios are to be handled within given budgets.
- The Integrated Technology (IT) Project Management Office's (PMO) Work In Take (WIT) process is outlined within the PMO -1.0 Work In Take Process and should be followed in accordance to the rules set forth in that document as is beyond the scope of this procedure. For assistance on this process please contact the LABS IT Group.

- Regulatory approved line extension policies outlining specific eligibility criteria and rates
 of return exist outside of content represented in this document. Expenditures exercised
 under granted customer connection budgets are exempt from this policy.
- All LPCo Business Development projects which follow the stage gating process, are excluded from this document and should be governed under the APMM (Algonquin Project Management Methodology) policy.

5.0 Applications for Capital Expenditure Approval

All project submissions will have a completed financial assessment pursuant to the following thresholds:

- Safety and Mandated projects will require a completed CPE Form (Appendix A).
- Growth, Regulatory Supported, and Discretionary projects with a capital cost below \$100,000 will require a completed CPE Form
- Growth, Regulatory Supported, and Discretionary projects with a capital cost greater than \$100,000 will require a completed Business Case (Appendix B) as well as a CPE form.
 Note: the Financial Summary section of the CPE form will not be a requirement as this information is captured within the accompanied business case
- In the event that there is an unexpected, or emergency service disruption which requires immediate capital spend without sufficient time to follow the protocols noted in this policy, the capital spend can be spent on an emergency basis, however, within five (5) business days after the emergency event occurring a CPE form must be completed and submitted for approval pursuant to section 5.2.
- All Blanket Projects combining Safety & Mandated with Growth, Regulatory Supported, and Discretionary shall follow section 5.3.
- All Unplanned Projects will follow those rules outlined in section 5.4 below.
- In summary, the below table outlines the required documentation that will be discussed in sections 5.2 to 5.4:

Table 1: Capital Expenditure Documentation by Category

Category	Amount	СРЕ	Business Case	Project Close Out Report	Over Expenditure Application
Safety & Mandated	All amounts	Required	N/A	Required	When necessary
Growth, Regulatory Supported, Discretionary	<\$100,000	Required	N/A	Required	When necessary
Growth, Regulatory Supported, Discretionary	>100,000	Required (Cost Sections not required)	Required	Required	When necessary

Instructions for filling out the CPE Forms and Business Cases along with best practices for project estimation and key project metrics can be found in section 6.1 and 6.2 respectively.

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For multiyear projects, budgets are defined annually. Every effort will be made to support the capital resources required for multiyear projects.

5.1 Communications of Approvals and Approval Limits

The approval limits for the creation of work orders within the LU financial systems are outlined in Table 2.

Table 2: Work Order Approval Limits

Location	Role	Work Order Value
Corporate	Exec Team Member (CEO, CFO, COO, Vice Chair)	Over 5,000,000
Corporate	Senior VP Operations	Up to \$5,000,000
Regional	Regional President	Up to \$3,000,000
Regional	State President / Senior VP / VP	Up to \$500,000
Regional	Senior Director/Director	Up to \$250,000
State	Senior Manager	Up to \$50,000
State	Manager / Staff (requisitioner/buyer)	Up to \$25,000

Approvals for purchase orders are subject to the limits set forth in the Approval Limits of Authority Policy owned and amended from time to time by the corporate procurement group.

5.2 Planned and Budgeted Safety and Mandated Projects

Expenditures categorized as Safety or Mandated in the approved budget are authorized to commence provided that each project has a completed and approved CPE Form. Project details must be entered into the Clarity financial system. Each project should be entered as follows:

- Blanket/Program Project work orders will be established annually to capture work that is
 part of the normal business cycle and utilizes standard construction materials, methods,
 and resources.
- The CPE Form will be utilized to summarize the scope, cost, and schedule for blanket projects. The form shall be updated annually as part of the Approval process.
- Specific Projects will be established and budgeted to reflect work of a unique, one-time
 project nature. A CPE Form will be required for such projects prior to commencement of
 construction.

Once a project has started, material changes to the timing or variances relative to initial cost will be captured and reported pursuant to section 7 of this policy. A material change to the timing of a project is defined as the movement of an in service date from the scheduled quarter and in to a new one.

5.3 Planned and Budgeted Growth, Regulatory Supported/Discretionary Projects

Projects included in the budget as Growth, Regulatory Supported or Discretionary groups and projected to have a cost of less than \$100,000 will require a completed CPE Form and follow a similar approval process to that of Safety and Mandated projects.

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Projects included in the budget as Growth, Regulatory Supported or Discretionary groups and projected to have a cost of greater than \$100,000 will require a more robust review of the project to assess its scope, schedule and benefits.

For projects over \$100,000, a business case must be completed along with a CPE Form as outlined in section 5.0 above. A blanket Business Case can be used for projects where many smaller transactions collate in to one initiative. Similarly, a business case can be used for a portfolio of activities.

The Project Manager (or Champion) is responsible for the preparation of the business case documenting all aspects of the project including cash flow, Internal Rate of Return (IRR) calculation and schedule. After the business case is prepared, approvals are obtained pursuant to section 5.1 of this policy.

All projects in these categories will be assessed based on the following criteria in descending importance

- IRR
- Operational risk
- Business objectives

5.4 Unplanned Projects

Projects that are deemed unplanned will be those projects that were not allotted for in the annual capital planning process or approved within the final annual budget book document. The unplanned projects will be reviewed and approved pursuant to the same manner as noted in sections 5.1 to 5.3 of this document.

5.5 Variances to Budget or Schedule

Any project variances must be approved pursuant to approval limits noted in section 5.1 of this document.

Variances are defined as

- The overall out of scope project costs that draw the full approved estimated project contingency and overrun the respective cost category items outlined in the business case or CPE form; or
- Expected completion date extends beyond originally defined fiscal year impacting capital budgets or stated business case objectives, or
- Scope of deliverables is materially different from what was chartered and approved in the business case.

For multiyear projects, monetary variances are to be tracked both an annual and total project basis. Reporting is carried out pursuant to section 7.2 of this policy.

Material changes in schedule are defined as any delay resulting in a completion date outside of the original scheduled operating quarter. Regional leadership is responsible to manage delays and changes in cash flow to ensure financial metrics are sustained for their respective businesses. The Project Manager is accountable to communicate expected variances to regional leadership when identified, ideally before the variance has occurred. All schedule and cost variances are to be inputted into clarity to accurately reflect any scope growth or project delays.

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No expenditure shall be made to cause a project to be over-budget without formal approval unless the delay results in adversely affecting the project or the operation of the company. In case of an emergency the Regional President should take appropriate action to preserve life and public safety.

6.0 Capital Expenditure Documentation

Samples of templates are provided in the appendices. Standalone versions of the documents can be separately obtained on the Community SharePoint.

6.1 Business Case

As noted in Table 1 of this document, both planned and unplanned projects classed as a Growth, Regulatory Supported or Discretionary projects and having a value greater than \$100,000 will require a completed business case.

It is the responsibility of the Project Manager, or Champion, to prepare the business case, with assistance from appropriate stakeholders (See Appendix B). The key sections found in the Business Case form and the general guidelines required to successfully complete this stage of the project planning process are outlined as follows:

- **Project ID#:** This represents the unique project code that defines the project during the budget cycle
- Project Scope Statement: This may include but is not limited to deliverables
 associated to the project, the acceptance criteria, what will not be included in the
 project, and any assumptions or constraints
- **Background:** This section shall:
 - Describe the current operational asset and risk of not carrying out the respective capital project.
 - Describe any related project previously approved for this project and any funds previously spent that are related to this proposal.
 - o Describe the decision criteria used in evaluating the alternatives. i.e. Work process improvement, system improvement, etc.
- **Recommendation/Objective:** This section should look to answer why the Project Scope Statement is looking to be resolved along with the recommended actions or purpose the investment serves for the business (i.e. the asset has reached the end of its useful life, it provides the opportunity to increase site profitability, improves safety, etc.).
- **Alternatives/Options:** Describe reasonably viable alternatives and associated analysis (i.e. pro/con, what if, scenario, etc.), where applicable.
- Financial Assessment/Cost Estimates: This section should outline a summary of the project cash flows as broken down in the Business Case template. In addition, the Unlevered Rate of Return (IRR) and basis of estimate will be required in order to address the reasonability of the estimate. Examples of estimating techniques include but are not limited to bidding the scope of work, internal top-down estimate based on historical data points and expert judgement, and parametric estimating techniques. The risk profile of the estimating technique utilized can be summarized in the AACE Estimate Class table below.
- In summary, as the maturity level of the project increases the accuracy of the estimate improves, meaning there is less risk in the variability of the scope. The below Table

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may be used as a guideline and or reference for projects greater than \$10M in value in estimating project contingencies:

Table 3: AACE Estimation Class (Policy 18R-97 P. 3)

Tuble 5. THICH Estimation Class (1 oney 1510) 1.5)					
	Estimate Class (Indicate AACE class; estimate should achieve a Class 3 when possible)				
Estimate Class	Maturity Level	End Usage	Methodology	Expected	
	(% of complete	(typical purpose of	(typical estimating method)	Accuracy Range	
	definition)	estimate)	, ,	(high/low)	
Class 5	0% to 2%	Concept screening	Capacity factored, parametric	L: -20% to -50%	
			models, judgement	H: +30% to +100%	
Class 4	1% to 15%	Study or feasibility	Equipment factored of	L: -15% to -30%	
			parametric models	H: +20% to +50%	
Class 3	10% to 40%	Budget authorization	Semi-detailed unit costs with	L: -10% to -20%	
		or control	assembly level line items	H: +10% to +30%	
Class 2	30% to 75%	Control or bid/tender	Detailed unit cost with forced	L: -5% to -15%	
			detailed take-off	H: +5% to +20%	
Class 1	65% to 100%	Check estimate or	Detailed unit cost with	L: -3% to -10%	
		bid/tender	detailed take-off	H: +3% to +15%	

Note. Reprinted from "Cost Estimate Classification System - As Applied in Engineering, Procurement, and Construction for the Process Industries", by Larry R Dysert AACE International Practice No 18R-97. Retrieved from Rev March 1, 2016.

- **Schedule:** When available a high level logic driven schedule should be produced (via a project planning software tool where applicable) in order to address the key milestone dates
- **Risk Assessment:** Describe the inherent risk associated with not carrying out this project, including impact on the utility customer.

In summary, the Project Managers and Champions are required to exercise professional judgment in the preparation of businesses cases. Information presented and the effort invested in a business case should be tempered against the magnitude of the request. In all cases the document should always seek to provide full and accurate details to support sound decision making.

6.2 Capital Project Expenditure Form

A CPE form is required to be completed in full for all projects under \$100,000 as this document triggers the creation of the job within the accounting software tool.

If a project has a value greater than \$100,000 a business case is required to be submitted in conjunction with the CPE. In these instances, the Financial Summary section of the CPE is skipped as these data items will be covered in the business case.

6.3 Change Orders

Should an approved project require a spend change outside of the original scope of work, a change order form (Appendix D) will need to be completed and approved on a two tier system:

 Each change order will require approval subject to the approval limits pursuant to the Approval Limits of Authority Policy owned and amended from time to time by the corporate procurement group; and

- If the cumulative amount of change orders plus the original approved project cost now exceed the approval limit of the initial approver, an approver from the next approval threshold will be required.
 - For instance, for a \$400,000 dollar project the payment approval listing would require an initial approval from Senior Director or Director. If subsequent to the initial approval the cumulative change orders total \$110,000, that would bring the total project cost to \$510,000 and now also require an approval from the Regional President (LU).

It is important to note, that in certain circumstances, the Local Commissions requirements will dictate the threshold for the required submission of the Change Order Form, however, it is under the discretion of the project team to manage the change for the project pursuant to the change order form outlined in this document.

6.4 Project Closeout Report

As a vital aspect of any project, closeout is the physical turnover of deliverables from the project team to the operational group. Every project must complete this step irrespective of project size. A template is provided in Appendix E.

All capital projects require a formal close-out to be conducted; multiyear projects do not require annual close out reports. The report will be prepared by the Project Manager in consultation with Functional Leads or regional Subject Matter Experts. Closeouts must be signed off by the Project Sponsor and are due within 90 days of the project completion date.

7.0 Reporting

The reporting on capital projects is carried through three forms:

- Monthly Operations Review
- Monthly Capital Project Reporting
- Monthly Cash Spend Reporting

7.1 The Monthly Operations Review

On a monthly basis, the Financial Planning & Analysis (FP&A) schedule a meeting to review both regional operating performance and Capital Expenditure variances by region.

7.1.1 Stakeholders Attending the Meeting

- Vice President, Senior Manager, Manager, and the Senior Analyst from FP&A Oakville
- Senior CAPEX Project Analyst, and Director of Capital Planning
- Senior Vice President of Operations
- Regional Presidents (Optional)
- Regional Finance heads

7.1.2 Standing Agenda

The following is the core agenda for each meeting by Regional Presidents and Finance Heads:

- 1.0 Discussion on Major Regional Based Initiatives
- 2.0 Discussion on Health and Safety Results (YTD)
 - 2.1 Recordable Incident Rate (RIR)
 - 2.2 Lost Time Incident Rate (LTIR)
 - 2.3 Motor Vehicle Accident Rate (MVAR)

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3.0 Financial Performance

- 3.1 Review of Income Statements variances
- 3.2 Distribution Business Group Profit Bridge
- 3.3 Overall Profit by Line of Business and State
- 3.4 Capex variance discussions on overall regional variances

7.2 Monthly Capital Project Reporting

The definition of a major capital project are those projects that have an accrual accounting annual spend of greater than \$1M. On a monthly basis a meeting will be held by each regional engineering teams to review project status. Project status will be noted in the Monthly Capital Project Reporting template (see Appendix C). The report and resultant meeting will address a brief discussion on risk, cost, and schedule. Key aspects of the report will cover: Subsequent to the meeting, the engineering teams shall share the monthly report to the regional accounting teams for inclusion in the monthly management report at the regional accounting team's discretion.

- Estimate at Completion (EAC)
 - EAC represents the latest contract values, approved or unapproved changed orders, and any potential changes
- Budget: Includes the annual board approved budget as outlined per the budget book
- Actual Cost (AC) including:
 - o Year to Date (YTD); and
 - o Project to Date (PTD) accrual accounting values
- Color coded matrix outlining status of risk, schedule; and cost.
 - o Green no issues
 - Yellow potential issues
 - o Red major issues

7.3 Monthly Cash Spend Reporting

On a monthly basis after the Monthly Operations meeting, the capital planning group will prepare a Clarity based report outlining the new accruals forming the beginning and ending accrual by month for the current year. The regional finance heads will be responsible for populating this report with actual cash spend to date along with a project based estimate to complete highlighting the monthly major project cash payment impacts caused in the respective monthly update.

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APPENDIX A: Capital Project Expenditure Form

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Description Manager					
Project Name: Financial Work Order		Project ID #			
(FWO):		Project ID #:			
Requesting Region or		Date of Request	Click to select date		
Group:		(MM/DD/YY):			
Project Sponsor:		Project Start Date:			
Project Lead:		Project End Date:			
Prepared by:		Requested Capital (\$)			
Planned or Unplanned Projects:	☐ Planned ☐ ☐ Unplanned				
Project Type:	☐ Safety ☐ Mandated ☐	☐ Growth ☐ Regulatory Sup	pported Discretionary		
(Click appropriate boxes)					
Details of Request					
Project description					
`					
		If "yes", list the specific loca	tions and how expenditure		
aligns with customer expan	sion objectives.				
		nental impacts, or resulting p	erformance obligations that		
may or may not result from	1 this expenditure?				
*********	4 000 4 .	• 1 14 6	41 4 9		
		ervice removed as a result of	this expenditure?		
	letail the specific assets that w	ill be removed:			
	ant to be removed (if known):	1,10			
_		moved (if original cost not kno	own)?		
3. Original Work Order of Plant to be removed (if known):					
4. Is the Plant being re	being removed reusable?				
5. What is the year of	original installation of the pla	nt being removed			
XX71 - 4 - 14	1 -4 -11 1	. • 4 . 10			
What alternatives were eva	duated and why were they re	ejected?			

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What are the risks and conso	equences of not approving t	his expenditure?			
	Safety and Security concern	ns and impacts as a result of th	is expenditure been		
addressed.					
Are there other pertinent de	tails that may affect the dec	sision making process?			
Complete the Financial Sum					
Project is less than \$	5100,000				
Financial Summary					
Next Anticipated Test		Was this Capital Project	□ Yes		
Year		included in the current			
1 cai		year's Board Approved	□ No		
		Budget?			
Regulatory Lag	□ Loss than 6 months □6	- 12 months □1 – 3 years □Grea	aton then three years		
(Click appropriate box)	Less than 6 months 🗆 6 -	- 12 months 🗀 1 – 3 years 🗀 Grea	iter than three years		
Which regulatory					
constructs will be used for					
recovering this capital					
spend?					
Please Specify Basis of	□Fixed or Firm Price □Fet	timata Internal Destimata Ex	etarnal DOthar (spacify		
Estimate	details)	timate – Internal □Estimate – Ex	tternar 🗆 Other (specify		
Estimate	details)				
For materials, equipment,					
and construction requiring	Click here to enter text.				
Engineering drawings please	Chek here to enter text.				
specify the percent					
complete:					
Category	Current Year	Future Years	Authorized Amount (to be		
			filled in by Corporate)		
Cost of Design &			3 1 /		
Engineering (\$)					
Cost of Materials (\$)					
Cost of Construction (\$)					
External Costs (\$)					
Internal Costs (\$)					
Other (\$)					
AFUDC (\$)					
Total Project Costs (\$)					
Total Hoject Costs (φ)					

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Approvals and Signatures

		Approv	ved By:	
Role	Approval Authority Limit	Name	Signature	Date
Manager / Staff (requisitioner/buyer):	Up to \$25,000			Click here to enter a date.
Senior Manager: :	Up to \$50,000			Click here to enter a date.
Senior Director/Director:	Up to \$250,000			Click here to enter a date.
State President / Senior VP / VP:	Up to \$500,000			Click here to enter a date.
Regional President:	Up to \$3,000,000			Click here to enter a date.
Corporate - Sr VP Operations:	Up to \$5,000,000			Click here to enter a date.
Corporate - Exec Team Member (CEO, CFO, COO, Vice Chair):	Over \$5,000,000			Click here to enter a date.

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Policy/Procedure: Capital Expenditures –Planning and Management

APPENDIX B: Business Case Template

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Attachment Staff 1-3
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	Project Overview						
Project Name:		Date Prepared:	Click here to enter a date.				
Project ID#:	Click here to enter text.	Cost Estimate:					
Project Sponsor:	Click here to enter text.	Project Start Date:	Click here to enter a date.				
Project Lead:	Click here to enter text.	Project End Date:	Click here to enter a date.				
Prepared By:	Click here to enter text.	Planned or Unplanned Projects:	☐ Planned ☐ ☐ Unplanned				
Project Type (click appropriate boxes):	☐ Safety ☐ Mandated ☐ Gr	owth Regulatory Su	upported Discretionary				
(Insert the so	Project Scope Statem cope of work, major deliverables, a		ints)				
(Insert description o	Background f current operational arrangement,	and brief history of proje	ect & asset)				
(Inse	Recommendation/Object the unique problem this project is						
Alternatives/Options (Describe all reasonably viable alternatives. Discuss the viability of each and provide reasons if rejected)							
Financial Assessment/Cost Estimates (Double click embedded excel file to update; include contingency allowance in excel file)							

Attachment JED-2

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Attachment Staff 1-3

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Policy/Procedure: Capital Expenditures –Planning and Management

Next Anticipated Test Year	Click to select a date Was this Capital Project included in the current year's Board Approved Budget?			□ Yes	S	
Regulatory Lag (Click appropriate box)	□Less than 6	Months □6		☐1 to 3 years	□Greater	than 3 years
Category	Total Already Approved	2018	2019	Beyond 2019	Total	
Internal Labour (including labour and travel)		\$ -	\$ -	\$ -	\$	-
Materials (including consumables)		\$ -	\$ -	\$ -	\$	-
Equipment (rental equipment)	\$ -	\$ -	\$ -	\$ -	\$	-
Contactor/Subcontractor (including consultants)	\$ -	\$ -	\$ -	\$ -	\$	-
AFUDC (\$)				1		
Unlevered Internal Rate of Return: Basis of Estimate:	Click here to Provide brief		on basis of e.	stimate, activi	ties compl	eted to determine costs
For materials, equipment, and construction requiring Engineering drawings please specify the percent complete:						
		(Lis	Schedule t key milestor			
Key Milestone Description		Forecast	t Start Date			Forecast End Date
		Click he	re to enter a d	ate.		Click here to enter a date.
	(Pleas		Risk Assessment risk of not of	nent completing the	e project)	
(Is there a possibility	to apply trade	finance prod	Trade Final		ıpital Plan	ning for further clarification)
(Reference drawings, condition		reports, ven				or where possible include hyperlink

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Approvals and Signatures

		A	pproved By:	
Role	Approval Authority Limit	Name	Signature	Date
Manager / Staff (requisitioner/buyer):	Up to \$25,000			Click here to enter a date.
Senior Manager: :	Up to \$50,000			Click here to enter a date.
Senior Director/Director:	Up to \$250,000			Click here to enter a date.
State President / Senior VP / VP:	Up to \$500,000			Click here to enter a date.
Regional President:	Up to \$3,000,000			Click here to enter a date.
Corporate - Sr VP Operations:	Up to \$5,000,000			Click here to enter a date.
Corporate - Exec Team Member (CEO, CFO, COO, Vice Chair):	Over \$5,000,000			Click here to enter a date.

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Policy/Procedure: Capital Expenditures –Planning and Management

APPENDIX C: Monthly Capital Project Reporting

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Monthly Capital Project Reporting

For Period End:

			Previous Yea	r			Cı	rrent Year			Overall	Project Met	rics]					
Budget#	FWO/Project#	A Budget	B Actual Costs	C Variai (B -	nce	D Clarity Approved Budget	E Actual Costs		G Total Estimate at Completion Cost (E+F)	H Projected Variance (E + F - D)	I Total Project Budget	J Total Project Estimate at Completion B+G+ [2019 if needed	K Total Project Variance (J - I)	Project Manager	Percent Complete	Scope	Cost	Quality	Comments
TR-124	SMAPLE	\$ 1,000	1,000,0	00 \$	-	\$ 1,000,000 \$	1,000,000	\$ 50,000	\$ 1,050,000	\$ 50,000	\$ 2,000,000	\$ 2,050,00	0 \$ 50,000	John Doe	100%	Scope S	chedule Cost Risi	is Quality	E 100% complete,P 100% complete, C 100% complete
				\$	-				\$ -	\$ -	\$ -	\$ -	\$ -			Scope S	chedule Cost Ris	ks Quality	
				\$	-				\$ -	\$ -	\$ -	\$ -	\$ -			Scope S	chedule Cost Ris	ks Quality	
				\$	-				\$ -	\$ -	\$ -	\$ -	\$ -			Scope S	chedule Cost Ris	ks Quality	
				\$	-				\$ -	\$ -	\$ -	\$ -	\$ -			Scope S	chedule Cost Ris	ks Quality	
				\$	-				\$ -	\$ -	\$ -	\$ -	\$ -			Scope S	chedule Cost Ris	ks Quality	
				\$	-				\$ -	\$ -	\$ -	\$ -	\$ -			Scope S	chedule Cost Ris	ks Quality	
				\$	-				\$ -	\$ -	\$ -	\$ -	\$ -			Scope S	chedule Cost Ris	ks Quality	
				\$	-				\$ -	\$ -	\$ -	\$ -	\$ -			Scope S	chedule Cost Ris	ks Quality	
				\$	-				\$ -		\$ -		\$ -			Scope S	chedule Cost Ris	ks Quality	
				\$	-				\$ -				\$ -			Scope S	chedule Cost Ris	ks Quality	
				\$	-				\$ -				\$ -			Scope S	chedule Cost Ris	ks Quality	
				\$	-				\$ -	\$ -	\$ -	\$ -	\$ -			Scope S	chedule Cost Ris	ks Quality	
Regional To	tal	\$	- \$	\$	-	\$ - \$		\$ -	\$ -	\$ -	ş -	\$ -	\$ -						

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APPENDIX D: Change Order Form

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			Proj	ect Overv	iew						
Reason for	Change: (Pl	lease Provide a brief	explanation for	or the cause	of the	change	e order)				
Project ID		Click here to enter	text.			Projec	t Name:		Click date.	k here to enter a	
Change Or	der Name:	Click here to enter	text.			Date P	repared:		Click date.	k here to enter a	
Change Or	der #:	Click here to enter	text.			Financ (FWO)	cial Work):	Order			
Project Spo	onsor:	Click here to enter	text.			Revise	d Start D	ate:	Click date.	k here to enter a	
Project Lea	ad:	Click here to enter	text.			Revise	d End Da	ite:	Click date.	k here to enter a	
Prepared I	By:	Click here to enter	text.			Chang	е Туре		□ In Scop	Scope 🗆 Out of	
Project Co Available?		□ Yes □ No					s Selected				
	(Doub		Financial Asso				ı, allanıanı	aa in awaal	£1a)		
	(Dout	ole click embedded o	excerme to up	date, meru	ie com	ingency	y allowalic	e ili excel	ine)		
										-	
	с	ategory	Original Project Value	Previ Appro Chan	ved	Chan	urrent ge Order mount	Tota	ı		
		ur (including labour	\$ -	\$	-	\$	-	\$	-		
	and travel) Materials (inc	cluding	ć	<u></u>				ć			
	consumables)	\$ -	\$	_	\$	-	\$			
		ental equipment)	\$ -	\$	-	\$	-	\$	-		
	Contactor/Su		\$ -	\$	_	\$	_	\$	_		
	(including cor Total	nsultants)	\$ -	Ś	_	\$	_	Ś			
	1000		Ψ] *] +		7		I	
Updated Unlevered Click here to enter text. Internal Rate of Return:											
0 1 4	Basis of Current Change Order Amount: Provide brief explanation on basis of the requested amount (i.e. revised contract amount, estimate based on revised engineering design, etc) Click here to enter text.										
	(1	As a result of the Ch		edule Impa here applic		ist the l	Impacts to	schedule))		
Baseline So	chedule (BL)		New Fo	recast (NI	(')		7	Variance (BL –	NF)	
Click here t	o enter a date.		Click he	ere to enter	a date.		(Click here	to ente	er a date.	
Click here t	o enter a date.		Click he	ere to enter	a date.		(Click here	ck here to enter a date.		
Click here t	o enter a date		Click he	ere to enter	a date.			Click here			
	o enter a date.			ere to enter					e to enter a date.		

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Policy/Procedure: Capital Expenditures –Planning and Management

Click here to enter a date.	Click here to enter a date.	Click here to enter a date.
Click here to enter a date.	Click here to enter a date.	Click here to enter a date.
Click here to enter a date.	Click here to enter a date.	Click here to enter a date.
Click here to enter a date.	Click here to enter a date.	Click here to enter a date.

Approvals and Signatures

		Approved	By:	
Role	Approval Authority Limit	Name	Signature	Date
Manager / Staff (requisitioner/buyer):	Up to \$25,000			Click here to enter a date.
Senior Manager: :	Up to \$50,000			Click here to enter a date.
Senior Director/Director:	Up to \$250,000			Click here to enter a date.
State President / Senior VP / VP:	Up to \$500,000			Click here to enter a date.
Regional President:	Up to \$3,000,000			Click here to enter a date.
Corporate - Sr VP Operations:	Up to \$5,000,000			Click here to enter a date.
Corporate - Exec Team Member (CEO, CFO, COO, Vice Chair):	Over \$5,000,000			Click here to enter a date.

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Policy/Procedure: Capital Expenditures –Planning and Management

APPENDIX E: Project Closeout Report

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Policy/Procedure: Capital Expenditures –Planning and Management

Requesting Region or Group:		Date of Closeout (MM/DD/YY):	Click to select date
Project Name:			
Requesting Region:		Sponsor (Name):	
Project Champion:		Project Champion	
Project Status	□In Service □Complete	☐ Closed	
Project Start Date:	Click to select date	Project Completion Date:	Click to select date
Requested Capital (\$)		Expenditure Included in Approved Budget?	□Yes □No

Section 1. Approval

Approval of the Project Closeout and Assessment Report indicates an understanding and formal agreement that the project is ready to be closed. By signing this document, each individual agrees all administrative, financial, and logistical aspects of the project should be concluded, executed, and documented as described herein.

Further, by signing this Report, it is accepted that CWIP (FERC Account 107) should be transferred to Utility in Plant Service (FERC Account 101)

Approver Name	Title	Signature	Date
	Project Lead		
	Project Sponsor		
	Operations Manager		
	Accounting Manager		

Section 2. Final Deliverable/Deployment Checklist

Sponsor to respond to each question. For each "no" response, include an issue in Open Issues section.

Item	Question	Response
2.1	Do you agree that the product and/or service is ready to be deployed?	Yes No No
2.2	Do you agree the product and/or service has sufficiently met the stated business goals and objectives?	Yes No No
2.3	Do you fully understand and agree to accept all operational requirements, operational risks, maintenance costs, and other limitations and/or constraints imposed as a result of ongoing operations of the product and/or service?	Yes No
2.4	Has the final unitization estimate been provided to Property Accounting?	Yes No No
2.5	Do you agree the project should be closed? If no, please explain:	Yes No No

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Item	Question	Response
	Rate your level of satisfaction with regards to the project outcomes listed below	
2.5	Project Quality	/5
2.6	Product and/or Service Performance	/5
2.7	Scope	/5
2.8	Cost (Budget)	/5
2.9	Schedule	/5

Section 3. Project Documentation Checklist

Project Manager Respond to each question. For each "no" response, include an issue in Open Issues section.

Item	Question		Response
3.1	Have project documentation and other items Budget Documents, Status Reports) been pro	Yes No No	
3.3	Were audits (e.g., project closeout audit) correference?	Yes No No	
3.4	Identify the storage location for the following	g project documents items:	
Item	Document	Location (e.g., Google Docs, Webspace)	Format
3.4a	Business Case		Electronic Manual
3.4b	If available, the Final Project Schedule		Electronic Manual
3.4c	Budget Documentation and Invoices		Electronic Manual
3.4d	Status Reports		Electronic Manual
3.4e	Risks and Issues Log		☐ Electronic ☐ Manual
3.4f	Final deliverable		☐ Electronic ☐ Manual
3.4g	If applicable, verify that final project deliverable for the project is attached or storage location is identified in 3.4.		

Section 4. Project Team

Project Manager to list resources specified in the Project Plan and used by the project.

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Policy/Procedure: Capital Expenditures -Planning and Management

Name	Role	Type (e.g., Contractor, Employee)

Section 5. Project Lessons Learned

Project Team to identify lessons learned specifically for the project. State the lessons learned in terms of a problem (issue). If available please include a Lesson Learned Log in the attached. Please summarize the top three issues on the project and the recommended improvements to correct a similar problem in the future.

Problem Statement	Problem Description	References	Recommendation

Section 7. Open Issues

Project Manager and Functional Lead to describe any open issues and plans for resolution within the context of project closeout. Include an open issue for any "no" responses in the Final Product and/or Service Acceptance Checklist and the Project Artifacts Checklist sections.

Issue	Planned Resolution

Section 8. Project Cost Summary

Project Manager and Functional Lead to provide details for the following tables.

Cost Category	1- Budget	2- Actual	3 = 1 -2 Variance
Cost of Design & Engineering			
(\$)			
Cost of Materials (\$)			
Cost of Construction (\$)			
External Costs (\$)			
Internal Costs (\$)			
Other (\$)			
AFUDC (\$)			

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Total Project Costs (\$)	
Reasons for Variance	Impact
Reasons for variance	ппраст
Cause 1	\$
Cause 2	\$
Cause 3	\$

Project Manager to list of all work orders associated with project that should be closed once Close Out Report is accepted.

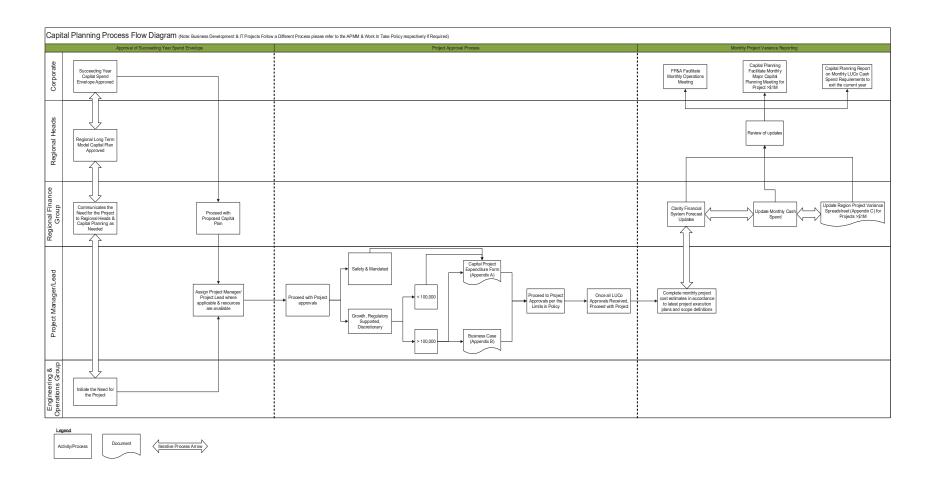
Registry of A	All Job Codes	(Regional,	Corporate, LABs)

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Policy/Procedure: Capital Expenditures –Planning and Management

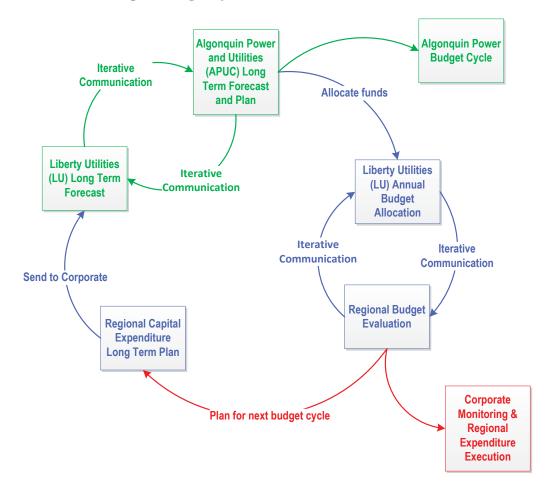
APPENDIX F: Process Flow Diagram

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APPENDIX G: Capital Budget Cycle



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Feedback Comment Tracker (DRAFT DOCUMENT PURPOSES ONLY)

Feedback Group	Feedback Individual	Submitted for Feedback	Sign-off Received
Corporate Procurement	L. DeCamaret	8/15/18	8/16/18
	R. Borin		
Internal Audit	D. Gilpin	8/17/18	8/23/18
	C. Spriggs		
SVP Operations	G. Tremblay	9/19/18	9/20/18
Finance – West	C. Alario	10/16/18	10/16/18
Finance – Central	T. Sanderson	10/16/18	10/16/18
Finance - East	P. Dawes	10/16/18	10/16/18
Engineering – West	R. Dalton (CA)	10/16/18	10/16/18
Engineering – West	J. Matthews (AZ)	10/16/18	10/16/18
Engineering – Central	B. Mertens	10/16/18	10/16/18
Engineering – East	G Munroe (MA)	10/16/18	10/16/18
Engineering – East	R MacDonald (NH)	10/16/18	10/16/18
Engineering – East	H. Woods (GA)	10/16/18	10/16/18
Regulatory – West	E. Jackson	10/16/18	10/16/18
Regulatory – Central	C. Krygier	10/16/18	10/16/18
Regulatory – East	V Duffy (MA)	10/16/18	10/16/18
Regulatory – East	S Mullen (NH)	10/16/18	10/16/18
Regulatory – East	P Bouxsein (GA)	10/16/18	10/16/18
Regulatory – Corporate	G. Girardi	10/16/18	10/16/18
Regulatory – Corporate	P Eichler	10/16/18	10/16/18
Regional Heads – West	G Sorensen	10/16/18	10/16/18
Regional Heads – Central	D Swain	10/16/18	10/16/18
Regional Heads – East	J Sweeney	10/16/18	10/16/18
Treasurer	A Kacprzak		11/29/2018
CFO	D Bronicheski		01/02/2019

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Data Requests - Set 9

Date Request Received: 9/26/19

Request No. Staff 9-3

Date of Response: 10/10/19 Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Re: Staff 1-2 and Attachment Staff 1-3. For each of the projects and plant additions listed below for 2016, 2017, and 2018 please provide all copies of all documentation required under the Liberty Way Policy & Procedures for Capital Expenditures including start dates, Capital Project Expenditure Form (CPE), completed Business Case, Project Close Out Report, Change Order, Over Expenditure Application, Blanket Program Project work orders, Monthly Capital Project Report, Monthly Cash Spend Reporting, and Monthly Operations Review including meeting minutes and all reports and analysis utilized or produced by the Financial Planning & Analysis group in relation to CAPEX variance discussions:

	Capital Projects GSE CY 2016			
		<u>Budget</u>	<u>Actual</u>	<u>Variance</u>
8830-C42851	Enhanced Bare Conductor Replacement	\$500,000	\$972,680	-\$472,680
8830-CNN025	IT Systems & Equipment Blanket	\$25,000	\$914,660	-\$889,660
8830-CNN014	Dist-Damage & Failure Blanket	\$800,000	\$1,940,363	-\$1,040,363
8830-CNN015	Dist-Reliability Blanket	\$400,000	\$1,124,162	-\$724,162
8830-CNN017	Dist-Asset Replace Blanket	\$400,000	\$948,224	-\$548,224
	Capital Projects GSE CY 2017	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>
8830-1705	Capital Projects GSE CY 2017 Dist-Subs Blanket	Budget \$10,000	<u>Actual</u> \$92,608	<u>Variance</u> -\$102,608
8830-1705 8830-C18603				
	Dist-Subs Blanket	\$10,000	\$92,608	-\$102,608
8830-C18603	Dist-Subs Blanket Bare Conductor Replacement	\$10,000 \$1,300,00	\$92,608 \$1,784,038	-\$102,608 -\$484,038
8830-C18603 8830-C18620	Dist-Subs Blanket Bare Conductor Replacement Charlestown 32 Dline	\$10,000 \$1,300,00 \$316,992	\$92,608 \$1,784,038 \$500,281	-\$102,608 -\$484,038 -\$183,289

^{*}Note: In response to Staff 6-37, Liberty submitted the Business Case and CPE for this project; however, all additional documentation referenced in the above data request must be provided.

Capital Projects GSE CY 2018

		<u>Budget</u>	<u>Actual</u>	<u>Variance</u>
8830-1832	Replace 6L2 No. Main Hanover	\$1,100,000	\$1,295,593	-\$195,593
8830-C42930	Install Service to Tuscan Village	\$400,000	\$674,260	-\$274,260
8830-C18620	Charlestown 32 Dline	\$250,000	\$354,751	-\$104,750
8830-1827	IT Systems Allocations-Corp	\$270,500	\$361,643	-\$91,142
8830-1830	Misc. Capital Imprv. Londonderry	\$35,000	\$60,650	-\$25,649
8830-1864	Rockingham Substation	\$200,000	\$1,568,870	-\$1,368,869**
8830-PE	Preliminary Engineering	\$0	-\$1,497,946	\$1,497,945
8830-1865	Rockingham Sub Transmission	\$300,000	\$575,354	-\$275,354**
8830-C36426	SCADA Distribution & Auto.	\$90,000	\$171,930	-\$81,930

^{**}Note: In response to Staff 5-14, Liberty submitted the Business Cases and CPE's for these projects; however, all additional documentation referenced in the above data request must be provided.

RESPONSE:

Please see the following:

Attachment Staff 9-3.1	2016 business cases and project close out forms for the
	requested projects
Attachment Staff 9-3.2	2017 business cases and project close out forms for 8830-1864
	and 8830-1865. All other forms were provided in Attachments
	OCA 2-14.d.2, OCA 2-14.d.3, and OCA 2-14.d.4.
Attachment Staff 9-3.3	2018 business cases. All other forms were provided in Attachments OCA 2-14.d.5 and OCA 2-14.d.6.
	Attachments OCA 2-14.d.3 and OCA 2-14.d.0.
	 8830-C18620 does not have a business case because the project was completed in 2017, but charges came through in 2018.
	 A business case is not created for 8830-PE because this is a project number for preliminary engineering for projects that may come about during the year.
Attachment Staff 9-3.4	2016 meeting agendas
Attachment Staff 9-3.5.xlsx	Final 2016 Monthly Capital Report
Attachment Staff 9-3.6	2017 meeting agendas
Attachment Staff 9-3.7.xlsx	Final 2017 Monthly Capital Report
Attachment Staff 9-3.8	2018 meeting agendas
Attachment Staff 9-3.9.xlsx	Final 2018 Monthly Capital Report

Docket No. DE 19-064 Exhibit 21 Attachment JED-3a

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BUSINESS

CASE

PROJECT TITLE: Misc Capital Imprvmnts GSE Facilities Londonderry

PROJECT SPONSOR: RICHARD FOLEY

PROJECT LEAD: DOUG DORN

DATE: 01/01/2018

PROJECT ID: 8830-1830

BUSINESS PLAN NUMBER:

Docket No. DE 19-064 Exhibit 21 Attachment JED-3a

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RECOMMENDATION:

This project is a Blanket project to provide funding for the Liberty Utilities (Granite State Electric) Corp. portion of various capital facility improvements of the buildings and grounds located at 15 Buttrick Rd Londonderry NH during 2018

BACKGROUND

This project is an annual request to provide Liberty Utilities (Granite State Electric) Corp's funding for any capital needs which may be required to support the facility infrastructure located 15 Buttrick Rd Londonderry NH 03053. This can include the purchase of office furnishings, replacement of HVAC or roofing systems to ensure the integrity of the building. Additionally, this budget will be used to support capital requests for improvements based on safety audits performed at this location.

The key drivers for this project include:

- Risk mitigation
- Employee and Customer Safety

_

ALTERNATIVES/OPTIONS

None

FINANCIAL ASSESSMENT

This request is based on the historical spending and forecasting of capital improvements identified in prior facilities audits.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

IMPLEMENTATION/ACTION PLAN

These expenditure are expected to take place over 2018

REVIEWED BY:

FINANCE:

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LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY:	HOME OFFICE
Capital / Granite State	REF #: 8830-1830
PROJECT TITLE:	EXPECTED PROJECT
Misc Capital Imprymnts GSE Facilities Londonderry	TOTAL: \$25,000
PROJECT TYPE (eircle one):	
System Maint / System improvement Growth /	
PROJECT START DATE.	PROJECT END DATE:
1/1/2018	12/31/2018
CURRENT UTILITY	JOB COST/FWO #:
EARNINGS STATUS:	The second secon
Type of Capital Project: Growth Improvement Upgrades Infrastructure Replacement PROJECT DESCRIPTION & LOCATION: Infrastructure and capital site improvements required required to operate the Londonderry facility. This furidentified in company safety audits of the building and Liberty Utilities (Granite State Electric) Corp. for 201 is this project growth related? If "Yes", Describe the sp. where growth will occur (Consult with development st. No PERMITTING REQUIREMENTS, INCLUDING POTENTIAL IMPACT ON WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT. Permitting may be required dependent upon the particular and the property of the particular permitting may be required dependent upon the particular permitting may be required dependent upon the particular permits and property of the particular permitting may be required dependent upon the particular permits and property of the particular permits and property of the particular permits and permit	nding will also address capital improvements d grounds. This represents the portion assigned to 18. ECIFIC LOCATION (MAP) AND LIST APPLICABLE DEVELOPERS ERVICES REGARDING FUNDING). EXISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED
COST ESTIMATE FOR TOTAL PROJECT, NATURE OF ESTIMATE (FIR TIMING OF SPENDING BY QUARTER, AND RISKS ASSOCIATED WIT	
Cost estimates will be calculated on an individual job	
WILL THERE BE ASSETS GREATER THAN \$5,000 THAT ARE CURREN	
Ño	Additional country. The contraction of the second s

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 Original Work Order Is the Plant being rem 	to be removed ent cost of the p of Plant to be r oved reusable?	l (if knowr blant being emoved (i ' No	n):Not known removed (if original cos	st not known)?	Not known	
PROPOSED SOURCE OF FUNDS (C The 2018 Approved Capita		ELOPER LX	A, HUF, ETC.)			
CATEGORY & STATUS OF PROJEC	CT .	FINANCI	AL SUMMARY			
(tick as appropriate)		NEXT ANTICIPATED TEST YEAR		2018	1	
		Rate Recovery (over 18 months)		X		
afety		Will this, and other approved projects, cause a rate shock		No	If yes, is custome	
Mandated			L			
mpending Regulatory Obligation Rate Recovery-Immediate Return			th & Safety implications	Yes	7	
		been consi Has Enviro	dered? onmental Compliance	147		
Rate Recovery (3 to 6 months) Rate Recovery (6 to 12 months)	-	review bee	en done? Services review been done?	Yes		
Rate Recovery (12 to 18 months)		rias reen.	services review deem dome:	1 (5		
Was this Capital Expenditure included in the Annual Budget?	Yes					
ANALYSIS OF PROJECT VALUE		CAPITAL	EXPENDITURE BUDGET U	TILIZATION		
Design/Engineering				Authorized	To be spent in:	
External contractor costs				Amount	Current Year	Future Years
nternal costs	,	(A) Capita	l budget	\$25,000	\$25,000	
Other costs (contingency)	,	(B) Over (under) run vs. Budget				
Vorking capital requirements	-		Total Estimated Project Cost approved Spend to Date		-	
			uture Approval Requests			-
Project Total Cost	\$25,000 (F) (C-D		Approval Amount (current application)			
	Name		Signature		Date	
Requesting Party	Richard Fo	oley	Slipps	12-4-17		
Director			,,,,,			
President – LU East	TU.1 - 0 - 1		1 1 1 2 1 2	1111	1streta	
Director of Finance CFO	Tisha Sande	erson	Junayana	lesson	19118117	
CEO						-

Attachment:

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BUSINESS

CASE

PROJECT TITLE Replace 6L2 direct buried cables No Main St Hanover

PROJECT SPONSOR: Charles Rodrigues
PROJECT MANAGER: Anthony Strabone

DATE: 10/8/17
PROJECT ID 8830-1832

BUSINESS PLAN NUMBER: (Assigned by Corporate Finance)

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RECOMMENDATION:

- It is recommended to replace approximately 1600ft of 500 XLPE AL cables along North Main St in Hanover NH. The direct buried cables will be replaced with a duct lay cable system.
- This project is estimated at \$225,000 and will take place in 2018.

OBJECTIVE(S)

Replace approximately 1600ft of direct buried cables along No Main St.

BACKGROUND

The Costs associated with this project is to improve cable reliability and address the forward risk of a cable outage.

The Hanover 6L2 feeder supplies Dartmouth College West Campus and provides backup supply to the Dartmouth College North Campus.

The existing underground cable is 500 kCMIL Al XLPE of 1970's vintage and is installed in a direct buried arrangement. The cross linked polyethylene (XLPE) insulated cables of this vintage have a high failure rate. Voids and contamination in the insulation and shields as well as other design and manufacturing deficiencies, leads to voltage stress concentrations within the cable. These voltage stresses, combined with moisture creates water trees. These water trees degrade insulation over time, ultimately causing the cables to fail.

a. a. a.
ALTERNATIVES/OPTIONS
None
FINANCIAL ASSESSMENT
None
RISK ASSESSMENT AND QUALITATIVE EVALUATION
None
IMPLEMENTATION/ACTION PLAN

The construction will take place under individual jobs numbers throughout the year.

PROJECT MANAGER: Anthony Strabone Authory Strabone

DIRECTOR/VP: CHALLES COPIESES STORY

FINANCE: JANA LANGUESEN 12/29/17

Docket No. DE 19-064 Attachment Staff 9-3.3 **Business Case** Page 7 of 39

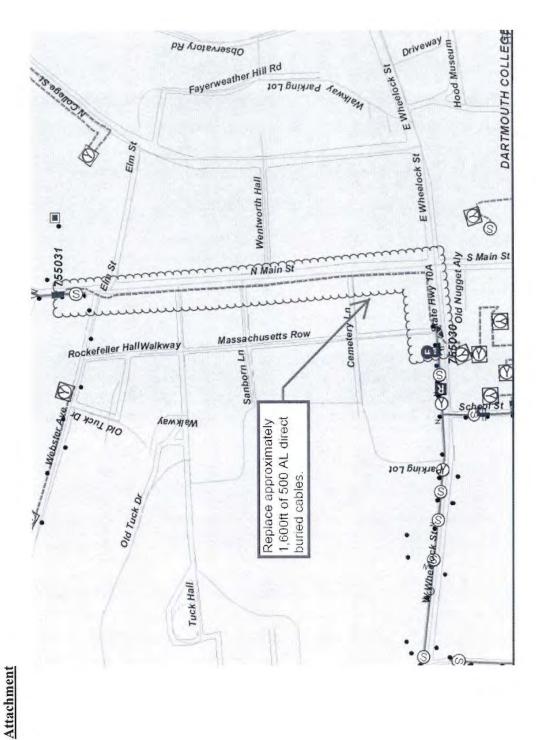


LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

Capital / Granite State	HOME OFFICE REF #: 8830-1832
Electric Co. PROJECT TITLE: Replace 6L2 direct buried cables No Main St Hanover	EXPECTED PROJECT TOTAL: \$225,000
PROJECT TYPE (circle one): System Maint / System Project / Growth / LXA	
PROJECT START DATE: 1/1/18	PROJECT END DATE: 12/1/18
CURRENT UTILITY EARNINGS STATUS:	JOB COST/FWO #:
☐ Growth ☐ Improvement Upgrades ■ Infrastructure Replacement	
PROJECT DESCRIPTION & LOCATION: Replace the direct buried cables along No Main St due to concern	
IS THIS PROJECT GROWTH RELATED? IF "YES", DESCRIBE THE SPEC WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOPMENT SER No.	
	VICES REGARDING FUNDING). XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED
WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOPMENT SER No PERMITTING REQUIREMENTS, INCLUDING POTENTIAL IMPACT ON E WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT.	VICES REGARDING FUNDING). XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED g as required. FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED),
WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOPMENT SER No PERMITTING REQUIREMENTS, INCLUDING POTENTIAL IMPACT ON E WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT. Underground equipment Licensing and Environmental Permitting COST ESTIMATE FOR TOTAL PROJECT, NATURE OF ESTIMATE (FIRM TIMING OF SPENDING BY QUARTER, AND RISKS ASSOCIATED WITH O	VICES REGARDING FUNDING). XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED g as required. FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED), COST ESTIMATES. LY IN SERVICE REMOVED AS A RESULT OF THIS PROJECT? YED: Ost not known)? Not known

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CATEGORY & STATUS OF PROJ	ECT	FINANCIA	LSUMMARY			
(tick as appropriate)		NEXT ANT	ICIPATED TEST YEAR	2.00		
Carrie and Philophysia.				2018		
		Rate Recove	ery (over 18 months)	X		
Safety		Will this, an cause a rate	d other approved projects, shock	No	If yes, is cus affordability	
Mandated	X					
Impending Regulatory Obligation		I tamenta a i				
Rate Recovery-Immediate Return		Have Health been consid	& Safety implications ered?			
Rate Recovery (3 to 6 months)			mental Compliance			
7.353,1023-10.1-13-13-13-13-13-13-13-13-13-13-13-13-13		review been	done? ervices review been done?			
Rate Recovery (6 to 12 months)	-	Has Tech Se	rvices review been done?			
Rate Recovery (12 to 18 months)						
Was this Capital Expenditure includ in the Annual Budget?	ed Yes	What amoun	nt was budgeted? \$225,000	T		
ANALYSIS OF PROJECT VALU	E	CAPITAL E	EXPENDITURE BUDGET	UTILIZATION		
Design/Engineering		1000		Authorized	To be spent in:	
Material		4		Amount	Current	Future
External contractor costs	1	1			Year	Years
Internal costs		(A) Capital		\$225,000	\$225,000	
Other costs (contingency)		1 10 10 10 10 10 10 10 10 10 10 10 10 10	nder) run vs. Budget			
		- ,	Total Estimated Project Cost			
Working capital requirements			annual Canada Data			
Working capital requirements			proved Spend to Date			
Working capital requirements		(E) Less Fu	ture Approval Requests			
Working capital requirements Project Total Cost	\$225,000	(E) Less Fu (F) (C-D-E)	And the second s			
	\$225,000 Nam	(E) Less Fu (F) (C-D-E) Requested (ture Approval Requests Approval Amount	Date		
Project Total Cost		(E) Less Fur (F) (C-D-E) Requested (ture Approval Requests Approval Amount current application)	Date (1/2	solit	
Project Total Cost Requesting Party	Nam	(E) Less Fur (F) (C-D-E) Requested (ture Approval Requests Approval Amount current application)	Date 11/2	50/7	
Project Total Cost Requesting Party Director of Engineering	Nam Anthony Strabone	(E) Less Fur (F) (C-D-E) Requested (ture Approval Requests Approval Amount current application)	Date (1) 2	30/7	
Project Total Cost Requesting Party Director of Engineering VP of Operations	Nam Anthony Strabone Charles Rodrigues	(E) Less Fur (F) (C-D-E) Requested (ture Approval Requests Approval Amount current application)	Date (1)	30/7	
Project Total Cost Requesting Party Director of Engineering VP of Operations President – LU East	Nam Anthony Strabone Charles Rodrigues	(E) Less Fur (F) (C-D-E) Requested (ture Approval Requests Approval Amount current application)	Date M. 11/2 11/2 Almen	12/29/17	
	Nam Anthony Strabone Charles Rodrigues Craig Jennings	(E) Less Fur (F) (C-D-E) Requested (ture Approval Requests Approval Amount current application)	Date M. 11/2 11/2 densem	12/24/17	



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BUSINESS

CASE

PROJECT TITLE Rockingham Substation

PROJECT SPONSOR: Charles Rodrigues
PROJECT MANAGER: Anthony Strabone

DATE: 02-16-18 PROJECT ID 8830-1864

BUSINESS PLAN NUMBER: (Assigned by Corporate Finance)

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Business Case

RECOMMENDATION:

 Construct a new 115-13.2 kV Substation with eight (8) feeder positions at Tuscan Village.

OBJECTIVE(S)

 Perform site and civil detailed design engineering for a new 115-13.2kV Substation (Rockingham Substation) at Tuscan Village.

BACKGROUND

- Construction of the a new 115-13.2 kV Substation is part of the recommended plan in the Salem Area Study perform by Control Point Technologies in 2017, with input and acceptance by Liberty Utilities.
- The Salem Area will experience more than expected load growth over the next few years due to the recent purchase of the Rockingham Race Track. The developer, known as Tuscan Village, plans to redevelop this land which will result in an increase of Liberty's Salem Area Load by 13 MW.
- The supply and distribution system serving the Salem service territory is expected
 to be loaded beyond the capability of the equipment to reliably serve the load
 under LU planning and loading criteria during contingent system configurations.
- To mitigate these risks, along with other capital invests in the Salem Area, the plan recommends that Liberty Constructs a new 115-13.2 KV Substation. This new substation will be served by two (2) new 115 kV Transmission lines originating at Liberty's Golden Rock Substation.

ALTERNATIVES/OPTIONS

 Other alternatives were considered and can be reviewed in Salem Area Study Report.

FINANCIAL ASSESSMENT

• Initial estimate is \$ 100,000 to perform detailed civil and site engineering/design work for the installation of this station. Once detailed engineering is complete, the estimated cost of this project will be revised.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

None

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IMPLEMENTATION/ACTION PLAN

Engineering to be performed in 2018. Construction will take place under an individual job number in future years.

REVIEWED BY:

PROJECT MANAGER: Anthony Strabone

DIRECTORNY: CHARLES A. RODRIGUES

FINANCE:

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LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY:	Capital / Granite State Electric Co.	HOME OFFICE REF #: 8830-1864
PROJECT TITLE:	Electric Vehicle Charging Stations	EXPECTED PROJECT TOTAL: \$ 100 000
PROJECT TYPE (circle one):	System Maint / System Project / Growth / LXA	
PROJECT START DATE:	1/1/2018	PROJECT END DATE: 12/31/2018
CURRENT UTILITY EARNINGS STATUS:		JOB COST/FWO #;
Type of Capital Project:		
☐ Growth ☐ Improvement Upgrades ■ Infrastructure Replaceme	nt	
Construct a new 115-13 IS THIS PROJECT GROWTH REL WHERE GROWTH WILL OCCUR Yes. Due to the recent purch	.2 kV Substation with eight (8 ATED? IF "YES", DESCRIBE THE SPECT (CONSULT WITH DEVELOPMENT SERVICES OF the Rockingham Race Track,	
Construct a new 115-13 IS THIS PROJECT GROWTH REI WHERE GROWTH WILL OCCUP Yes. Due to the recent purch which is expected to increase PERMITTING REQUIREMENTS, WITH OBTAINING APPROPRIA*	.2 kV Substation with eight (8 ATED? IF "YES", DESCRIBE THE SPECE (CONSULT WITH DEVELOPMENT SER lasse of the Rockingham Race Track, at the Salem Area load by 13 MW INCLUDING POTENTIAL IMPACT ON EFF PERMITS FOR PROJECT.	IFIC LOCATION (MAP) AND LIST APPLICABLE DEVELOPERS VICES REGARDING FUNDING).
IS THIS PROJECT GROWTH REL WHERE GROWTH WILL OCCUR Yes. Due to the recent purch which is expected to increase PERMITTING REQUIREMENTS, WITH OBTAINING APPROPRIAT Yes. Permitting with the Tov COST ESTIMATE FOR TOTAL P	.2 kV Substation with eight (8 .ATED? IF "YES", DESCRIBE THE SPECE (CONSULT WITH DEVELOPMENT SER LASSE OF the Rockingham Race Track, at the Salem Area load by 13 MW INCLUDING POTENTIAL IMPACT ON EFF PERMITS FOR PROJECT. INTO OF Salem will be required ROJECT, NATURE OF ESTIMATE (FIRM RTER, AND RISKS ASSOCIATED WITH OR STEER, AND RISKS ASSOCIATED WITH OR STEER, AND RISKS ASSOCIATED WITH OR STEER.	IFIC LOCATION (MAP) AND LIST APPLICABLE DEVELOPERS VICES REGARDING FUNDING). the develop plans to repurpose this land (Tuscan Village) XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED).
Construct a new 115-13 IS THIS PROJECT GROWTH REI WHERE GROWTH WILL OCCUP Yes. Due to the recent purch which is expected to increase PERMITTING REQUIREMENTS, WITH OBTAINING APPROPRIAT Yes. Permitting with the Tov COST ESTIMATE FOR TOTAL P. TIMING OF SPENDING BY QUA \$40,000 to perform detail civil and	ATED? IF "YES", DESCRIBE THE SPECE (CONSULT WITH DEVELOPMENT SER LASE OF the Rockingham Race Track, at the Salem Area load by 13 MW INCLUDING POTENTIAL IMPACT ON EFF PERMITS FOR PROJECT. WITH OF SALEM WILLIAM OF SALEM WITH OF SALEM WITH OF SALEM WITH OF SALEM SALE	IFIC LOCATION (MAP) AND LIST APPLICABLE DEVELOPERS VICES REGARDING FUNDING). the develop plans to repurpose this land (Tuscan Village) XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED), COST ESTIMATES.

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Business Case

CATEGORY & STATUS OF PROJE	ECT	FINANCIA	AL SUMMARY				
(tick as appropriate)		NEXT AN	TICIPATED TEST YEAR	2018			
		Rate Recov	very (over 18 months)	Y			
Safety		Will this, a cause a rate	nd other approved projects,	No	If yes, is cus affordability		
Mandated Impending Regulatory Obligation							
Rate Recovery-Immediate Return		Have Health & Safety implications been considered?		Yes			
Rate Recovery (3 to 6 months)		Has Enviro	nmental Compliance	11			
Rate Recovery (6 to 12 months)			Services review been done?				
Rate Recovery (12 to 18 months)							
Was this Capital Expenditure include in the Annual Budget?	d No	What amou	int was budgeted? \$0				
ANALYSIS OF PROJECT VALUE	E	CAPITAL	EXPENDITURE BUDGET I	JTILIZATION	7		
Design/Engineering Material				Authorized Amount	To be spent in: Current	Future	
External contractor costs Internal costs		(A) Capita	budget	\$ 100,00	\$ 100,000	Years	
Other costs (contingency)			under) run vs. Budget	1 3 3 3	7.426		
Working capital requirements		1000	Total Estimated Project Cost pproved Spend to Date				
		(E) Less Fi	iture Approval Requests				
Project Total Cost	\$ 100,000) Approval Amount (current application)	100,000	\$100,000		
	Name		Signature	Date	, == 111		
Requesting Party	Anthony Strabone		anthor that our	20	7/18		
	Charles Rodrigues		agranas	3/12	118		
	Craig Jennings		any Mesu	3/4	4113		
STATISTICAL STATES	Susan Fleck		-0				
V CFO	_						
CHESCH						-	
CEO			- A 2		, ,		

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BUSINESS

CASE

PROJECT TITLE Rockingham Substation- Transmission Lines

PROJECT SPONSOR: Charles Rodrigues
PROJECT MANAGER: Anthony Strabone

DATE: 02-16-18 PROJECT ID 8830-1865

Business Plan Number: (Assigned by Corporate Finance)

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RECOMMENDATION:

 Construct two (2) 115 kV Transmission lines from Golden Rock Substation to Rockingham Substation.

OBJECTIVE(S)

 Perform Site, Environmental and line design of two (2) 115 kV Transmission Lines from Golden Rock Substation to Rockingham Substation.

BACKGROUND

- Construction of the Transmission lines are part of the recommended plan in the Salem Area Study perform by Control Point Technologies 2017, with input and acceptance by Liberty Utilities.
- The Salem Area will experience more than expected load growth over the next few years due to the recent purchase of the Rockingham Race Track. The developer, known as Tuscan Village, plans to redevelop this land which will result in an increase of Liberty's Salem Area Load by 13 MW.
- The supply and distribution system serving the Salem service territory is expected
 to be loaded beyond the capability of the equipment to reliably serve the load
 under LU planning and loading criteria during contingent system configurations.
- To mitigate these risks, along with other capital invests in the Salem Area, the
 plan recommends that Liberty Constructs a new 115-13.2 KV Substation. This
 new substation will be served by two (2) new 115 kV Transmission lines
 originating at Liberty's Golden Rock Substation.

ALTERNATIVES/OPTIONS

 Other alternatives were considered and can be reviewed in Salem Area Study Report.

FINANCIAL ASSESSMENT

Initial estimate is \$ 3.000 to perform detailed engineering/design for the
installation of the Transmission Lines. Once detailed engineering is complete, the
estimated cost of this project will be revised.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

None

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Business Case

IMPLEMENTATION/ACTION PLAN

Engineering to be performed in 2018. Construction will take place under an individual job number in future years.

REVIEWED BY:

PROJECT MANAGER:

Anthony Strabone

DIRECTOR/VP:

CHARLES A. PODRIGUES

FINANCE:

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LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

	Capital / Granite State Electric Co.	HOME OFFICE REF #: 8830-1865
PROJECT TITLE:	Electric Vehicle Charging Stations	EXPECTED PROJECT TOTAL: \$ 500
PROJECT TYPE (circle one):	System Maint / System Project / Growth / LXA	
PROJECT START DATE:	1/1/2018	PROJECT END DATE: 12/31/2018
CURRENT UTILITY EARNINGS STATUS:		JOB COST/FWO #;
Type of Capital Project:		
Growth		
☐ Improvement Upgrades		
■ Infrastructure Replaceme	nt	
PROJECT DESCRIPTION of Construct two (2) 115 k Substation		Iden Rock Substation to Rockingham
WHERE GROWTH WILL OCCUI Yes, Due to the recent purch which is expected to increase	R (CONSULT WITH DEVELOPMENT SER hase of the Rockingham Race Track, the Salem Area load by 13 MW	the develop plans to repurpose this land (Tuscan Village)
WHERE GROWTH WILL OCCUI Yes. Due to the recent purch which is expected to increase PERMITTING REQUIREMENTS, WITH OBTAINING APPROPRIA	R (CONSULT WITH DEVELOPMENT SER hase of the Rockingham Race Track, the Salem Area load by 13 MW INCLUDING POTENTIAL IMPACT ON E	VICES REGARDING FÜNDING). the develop plans to repurpose this land (Tuscan Village) XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED
WHERE GROWTH WILL OCCUI Yes. Due to the recent purch which is expected to increase PERMITTING REQUIREMENTS. WITH OBTAINING APPROPRIA Permitting will be needed from COST ESTIMATE FOR TOTAL P TIMING OF SPENDING BY QUA	R (CONSULT WITH DEVELOPMENT SER nase of the Rockingham Race Track, e the Salem Area load by 13 MW INCLUDING POTENTIAL IMPACT ON E TE PERMITS FOR PROJECT. The Dom the Town of Salem NH and NHE	VICES REGARDING FÜNDING). the develop plans to repurpose this land (Tuscan Village) XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED OOT FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED), COST ESTIMATES.
WHERE GROWTH WILL OCCUI Yes. Due to the recent purch which is expected to increase PERMITTING REQUIREMENTS, WITH OBTAINING APPROPRIA Permitting will be needed from COST ESTIMATE FOR TOTAL P TIMING OF SPENDING BY QUA \$100,000 to perform detail engineer	R (CONSULT WITH DEVELOPMENT SER nase of the Rockingham Race Track, at the Salem Area load by 13 MW INCLUDING POTENTIAL IMPACT ON E TE PERMITS FOR PROJECT. Tom the Town of Salem NH and NHE PROJECT, NATURE OF ESTIMATE (FIRM RTER, AND RISKS ASSOCIATED WITH Gring. Once engineering is complete, the estimater THAN \$5,000 THAT ARE CURRENT	VICES REGARDING FÜNDING). the develop plans to repurpose this land (Tuscan Village) XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED OOT FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED), COST ESTIMATES.

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Business Case

CATEGORY & STATUS OF PROJECT	1	FINANCIA	L SUMMARY								
tick as appropriate)		NEXT ANT	TICIPATED TEST YEAR	2018							
		Rate Recov	ery (over 18 months)	V							
		Will this ar	nd other approved projects,	- ^-	If yes, is customer						
afety		cause a rate		No	affordability						
Mandated mpending Regulatory Obligation											
Rate Recovery-Immediate Return		Have Health been consid	h & Safety implications lered?	Yes							
Rate Recovery (3 to 6 months)			nmental Compliance								
Rate Recovery (6 to 12 months)			ervices review been done?								
Rate Recovery (12 to 18 months)		1									
Was this Capital Expenditure included n the Annual Budget?	No	What amount was budgeted? \$0									
ANALYSIS OF PROJECT VALUE		CAPITAL I	EXPENDITURE BUDGET	UTILIZATION							
Design/Engineering				Authorized	To be spent in:						
Material				Amount	Current	Future					
External contractor costs nternal costs		(A) Capital	hudaet	6-10	Year	Years					
Other costs (contingency)	-	2 7 2 TO 10 1 TO 10 TO 1	nder) run vs. Budget	, M = 0	100 000 0000						
Vorking capital requirements		-	Total Estimated Project Cost								
working capital requirements	-	-	oproved Spend to Date								
			ture Approval Requests		1 - 2-2						
Project Total Cost	111	(F) (C-D-E)	Approval Amount current application)								
	Name		Signature	Date	7						
Requesting Party An	thony Strabone		MALICO THOUSAN	22	7/18						
	arles Rodrigues		a Catodiane	4 3/2	118						
	aig Jennings		My XIIII	3/4	als						
1.0000000000000000000000000000000000000	san Fleck		4)	C							
7 37 - 030-14	sha Sanderson				70.71						
CFO											
CEO											

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BUSINESS

CASE

PROJECT TITLE Replace Lyme Rd P3 Recloser

PROJECT SPONSOR: Charles Rodrigues
PROJECT LEAD: Anthony Strabone

DATE: 2/14/18 PROJECT ID 8830-1863

Business Plan Number: (Assigned by Corporate Finance)

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RECOMMENDATION:

- Replace existing Cooper oil filled recloser at P3 Lyme Rd with new Viper-S recloser due to damage. Install new bypass disconnect.
- This project is estimated at 5/20, which includes contingency and appropriate round off.

OBJECTIVE(S)

Replace existing damaged recloser at P3 Lyme Rd Hanover due to damage.

BACKGROUND

- Costs associated with this project are to resolve damage to existing breaker unit.
- Existing recloser has experienced a flash which was identified as part of the inspection and maintenance program.

ALTERNATIVES/OPTIONS

None

FINANCIAL ASSESSMENT

 This project estimate is based on design and estimate for previous similar projects.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

None

IMPLEMENTATION/ACTION PLAN

The construction will take place under an individual job number throughout 2018.

REVIEWED BY:

PROJECT MANAGER:

Anthony Strabone

DIRECTOR/VP:

CHARLES A. ROORIGUES

FINANCE:

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LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY:	HOME OFFICE REF # 8830-1863
Capital / Granite State Electric Co.	KEF # 8630-1803
PROJECT TITLE: Replace	EXPECTED PROJECT
Lyme Rd P3 Recloser	TOTAL: \$ (00,000
PROJECT TYPE (circle one): System Maint / System Project / Growth_/ LXA	
PROJECT START DATE: 2/1/18	PROJECT END DATE: 12/31/18
CURRENT UTILITY EARNINGS STATUS:	JOB COST/FWO #:
Type of Capital Project:	
☐ Growth ■ Improvement Upgrades ☐ Infrastructure Replacement	
Replace existing recloser at P3 Lyme Rd due to damage.	
IS THIS PROJECT GROWTH RELATED? IF "YES", DESCRIBE THE SPEC WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOPMENT SER	
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Business Case





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BUSINESS

CASE

PROJECT TITLE Rockingham Substation- Transmission Lines

PROJECT SPONSOR: Charles Rodrigues
PROJECT MANAGER: Anthony Strabone

DATE: 02-16-18 PROJECT ID 8830-1865

BUSINESS PLAN NUMBER: (Assigned by Corporate Finance)

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RECOMMENDATION:

 Construct two (2) 115 kV Transmission lines from Golden Rock Substation to Rockingham Substation.

OBJECTIVE(S)

 Perform Site, Environmental and line design of two (2) 115 kV Transmission Lines from Golden Rock Substation to Rockingham Substation.

BACKGROUND

- Construction of the Transmission lines are part of the recommended plan in the Salem Area Study perform by Control Point Technologies 2017, with input and acceptance by Liberty Utilities.
- The Salem Area will experience more than expected load growth over the next few years due to the recent purchase of the Rockingham Race Track. The developer, known as Tuscan Village, plans to redevelop this land which will result in an increase of Liberty's Salem Area Load by 13 MW.
- The supply and distribution system serving the Salem service territory is expected
 to be loaded beyond the capability of the equipment to reliably serve the load
 under LU planning and loading criteria during contingent system configurations.
- To mitigate these risks, along with other capital invests in the Salem Area, the plan recommends that Liberty Constructs a new 115-13.2 KV Substation. This new substation will be served by two (2) new 115 kV Transmission lines originating at Liberty's Golden Rock Substation.

ALTERNATIVES/OPTIONS

 Other alternatives were considered and can be reviewed in Salem Area Study Report.

FINANCIAL ASSESSMENT

• Initial estimate is \$ >\infty con to perform detailed engineering/design for the installation of the Transmission Lines. Once detailed engineering is complete, the estimated cost of this project will be revised.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

· None

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IMPLEMENTATION/ACTION PLAN

Engineering to be performed in 2018. Construction will take place under an individual job number in future years.

REVIEWED BY:

PROJECT MANAGER:

Anthony Strabone

DIRECTOR/VP:

CHARLES A. PODRIBUES

FINANCE:

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LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY:	Capital / Granite State Electric Co.	HOME OFFICE REF #: 8830-1865
PROJECT TITLE:	Electric Vehicle Charging Stations	EXPECTED PROJECT TOTAL: \$ 5000
PROJECT TYPE (circle one):	System Maint / System Project / Growth / LXA	
PROJECT START DATE:	1/1/2018	PROJECT END DATE: 12/31/2018
CURRENT UTILITY EARNINGS STATUS:		JOB COST/FWO #:
Type of Capital Project:		
Growth		
☐ Improvement Upgrades	7	
■ Infrastructure Replaceme	nt	
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Requesting Party	Anthony Strabone		MAGO DANGERA	22	7/19					
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BUSINESS

CASE

PROJECT TITLE SCADA & DISTRIBUTION AUTOMATION PROGRAM

PROJECT SPONSOR: Charles Rodrigues
PROJECT MANAGER: Anthony Strabone

DATE: 10-9-17
PROJECT ID 8830-C36426

Business Plan Number: (Assigned by Corporate Finance)

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RECOMMENDATION:

- This specific project is to provide SCADA & Distribution Automation.
- This is being recommended as approval for a budgeted item.
- The total cost is estimated at \$75,000 in 2018.
- The expected start date is January 1, 2018 and the expected completion date is December 31, 2018.
- The following project will be part of the 2018 SCADA & DA program: Replace B switchgear at Rockingham Mall with S&C auto switchgear.

OBJECTIVE(S)

This Specific project will provide SCADA & Distribution Automation to resolve and/or improve reliability performance.

BACKGROUND

The installation of SCADA will improve system data acquisition and improve response to system outages.

ALTERNATIVES/OPTIONS

None

FINANCIAL ASSESSMENT

This specific project is based on historical spending trends, reliability improvement strategy, and anticipated year-ahead activity in this investment category.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

None

IMPLEMENTATION/ACTION PLAN

The construction will take place under an individual job number throughout the year.

REVIEWED BY:

PROJECT MANAGER: Anth

Anthony Strabone

DIRECTOR/VP:

CHARLES RODRIGUES / CASE

FINANCE:

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Business Case



LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY:	Capital / Granite State Electric Co.	HOME OFFICE REF #: 8830-C36426
PROJECT TITLE:	SCADA Distribution & Automation Specific	EXPECTED PROJECT TOTAL: \$75,000
PROJECT TYPE (circle one):	System Maint / System Project / Growth / LXA	
PROJECT START DATE:	1/1/2018	PROJECT END DATE: 12/31/2018
CURRENT UTILITY EARNINGS STATUS:		JOB COST/FWO #:
Type of Capital Project:		
Growth Improvement Upgrades Infrastructure Replacement	nt	
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Business Case

Safety Mandated Impending Regulatory Obligation Rate Recovery-Immediate Return Rate Recovery (3 to 6 months) Rate Recovery (6 to 12 months) Rate Recovery (12 to 18 months) Was this Capital Expenditure included in the Annual Budget? ANALYSIS OF PROJECT VALUE Design/Engineering Material External contractor costs Internal costs Other costs (contingency) Working capital requirements Project Total Cost No Have Health & Safety implications been considered? Has Environmental Compliance review been done? Yes Has Tech Services review been done? Yes What amount was budgeted? \$0 CAPITAL EXPENDITURE BUDGET UTILIZATION Authorized Amount Current Year Year Andunat Current Year (A) Capital budget (B) Over (under) run vs. Budget (C) (A+B) Total Estimated Project Cost (D) Less Approved Spend to Date (E) Less Future Approval Requests (F) (C-D-E) Approval Amount Requested (current application) Name Requesting Party Anthony Strabone	Y & STATUS OF PROJECT		FINANCIAL	LSUMMARY								
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Project Total Cost \$75,000 (F) (C-D-E) Approval Amount Requested (current application) \$75,000 Name Signature Date Requesting Party Anthony Strabone			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				1					
Requesting Party Anthony Strabone	al Cost	\$75,000	(F) (C-D-E)	Approval Amount	\$75,000							
Requesting Party Anthony Strabone 113077		***		9C;	Deta							
1000		98.797738		Signature		10	-					
Director of Engineering Charles Rodrigues (ALMManses 1178)	7.7.0			und that and	11/30	11						
C10-10 - 11 11 12 11		-		Calodiques	11/30	117						
VP of Operations Craig Jennings 0		Jennings		0			1					
President – LU East Director Finance Tisha Sanderson	The second secon	Candaraan		1 11/10 / 10	100100	1) Jack						
CATACON TO THE PARTY OF THE PAR	nance Lisha	Sanderson		July	SELLIEY !	10 100011						
CFO CEO		_		***								

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BUSINESS

CASE

PROJECT TITLE Install Service to Tuscan Village South Line

PROJECT SPONSOR: Charles Rodrigues
PROJECT MANAGER: Anthony Strabone

DATE: 10-09-17 PROJECT ID 8830-C42930

Business Plan Number: (Assigned by Corporate Finance)

Business Case

RECOMMENDATION:

- Install approximately 1.5 mile of new UG conduit loop system along Tuscan Village Park to supply new growth in the commercial development – Southern Village.
- It is anticipated that the conduit system will be 6"- 4X3 with 1000MCM Cu conductors.
- This is being recommended as approval for a budgeted item.
- The total capital project cost is estimated at \$900,000 in 2018.
- The expected start date is January 1, 2018 and the expected completion date is December 1, 2019.

OBJECTIVE(S)

Install approximately 1.5 mile of new UG conduit loop system along Tuscan Village Park to supply new growth in the commercial development.

BACKGROUND

- A recent purchase of the Rockingham Park Track by Tuscan Kitchen includes 50 acres for the Northern Village and 120 acres for the Southern Village. Existing master plans include developments for the northern village and is included in this business case.
- The Southern Village will be mostly commercial and large retail.

ALTERNATIVES/OPTIONS

None

FINANCIAL ASSESSMENT

None

RISK ASSESSMENT AND QUALITATIVE EVALUATION

None

IMPLEMENTATION/ACTION PLAN

The construction will take place under an individual job number throughout 2018 and 2019.

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Business Case

REVIEWED BY:

PROJECT MANAGER:

Anthony Strabone

DIRECTOR/VP:

CHARLES RODRIGIES

FINANCE:



LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

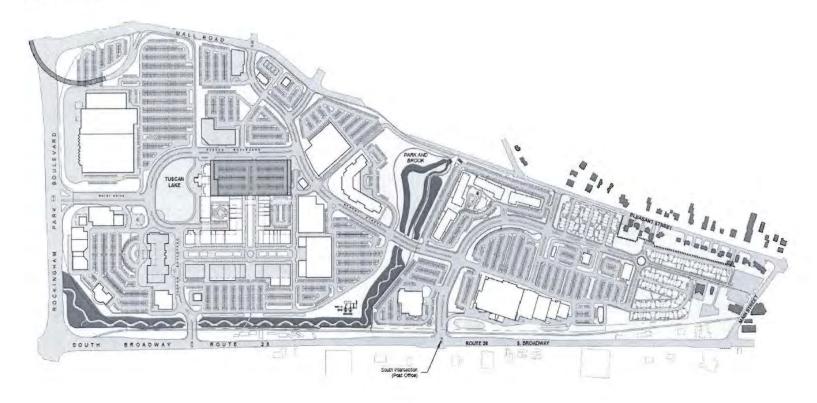
DIVISION/COMPANY:	Capital / Granite State Electric Co.	HOME OFFICE REF #: 8830-C42930
PROJECT TITLE:	Install Service to Tuscan Village South Line	EXPECTED PROJECT TOTAL: \$900,000
PROJECT TYPE (circle one):	System Maint / System Project / Growth / LXA	
PROJECT START DATE:	1/1/2018	PROJECT END DATE: 12/1/2019
CURRENT UTILITY EARNINGS STATUS:		JOB COST/FWO #:
Type of Capital Project:		
■ Growth □ Improvement Upgrades □ Infrastructure Replaceme	nt	
commercial development. IS THIS PROJECT GROWTH REL	of new UG conduit loop system along a system along the sy	ng Tuscan Village Park to supply new growth in the PIFIC LOCATION (MAP) AND LIST APPLICABLE DEVELOPERS VICES REGARDING FUNDING).
PERMITTING REQUIREMENTS, WITH OBTAINING APPROPRIA' Licensing and Environmenta COST ESTIMATE FOR TOTAL P.	INCLUDING POTENTIAL IMPACT ON E TE PERMITS FOR PROJECT. Il Permitting as required. ROJECT, NATURE OF ESTIMATE (FIRM	XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED),
TIMING OF SPENDING BY QUA \$900,000	RTER, AND RISKS ASSOCIATED WITH	COST ESTIMATES.
No IF YES, PLEASE DETAIL THE SI 1. Original Cost of Plant to 2. What is the replacement 3. Original Work Order of 4. Is the Plant being remov	PECIFIC ASSETS THAT WILL BE REMOVED to be removed (if known): None cost of the plant being removed (if original copies to be removed (if known): None	ost not known)? None

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Business Case

CATEGORY & STATUS OF PROJE	ECT	FINANCIA	AL SUMMARY							
tick as appropriate)		NEXT AN	TICIPATED TEST YEAR	2018						
		Rate Reco	very (over 18 months)							
		_		X	Sin francis					
Safety		Will this, a	and other approved projects, e shock	No	If yes, is cu affordabilit					
Mandated Impending Regulatory Obligation										
Rate Recovery-Immediate Return		Have Heal been consi	th & Safety implications dered?	Yes						
Rate Recovery (3 to 6 months)		Has Enviro	onmental Compliance							
Rate Recovery (6 to 12 months)	-	Has Tech	en done? Services review been done?							
Rate Recovery (12 to 18 months)			and the same of th							
Was this Capital Expenditure include in the Annual Budget?	d Yes	What amo	unt was budgeted? \$900,000	1 -						
ANALYSIS OF PROJECT VALU	E	CAPITAL	EXPENDITURE BUDGET	A STATE OF THE PARTY OF THE PAR	Tra Language Con					
Design/Engineering Material	1	-		Authorized Amount	To be spent in:	Future				
External contractor costs		-		Amount	Year	Years				
Internal costs		(A) Capita	l budget	\$900,000	\$900,000	7.5313				
Other costs (contingency)			under) run vs. Budget		100000000000000000000000000000000000000					
Working capital requirements			Total Estimated Project Cost	0						
San		- C.	Approved Spend to Date							
	1	-	uture Approval Requests							
Project Total Cost	\$900,000		E) Approval Amount (current application)							
	Nam	ė	/ (Signature	Date						
Requesting Party	Anthony Strabone	-	La Training	1	30/17					
	Charles Rodrigues		The state of the s	00 11	2017					
	Craig Jennings		- Congression	111	3-111					
President – LU East		seevey	Daniel Land	12.1	F185					
		7	1 16	Leven 13	12017					
No recommon of the contraction of the	Tisha Sanderson	1	I ANNIA I WILL	1 X Z WIN V 1 1 A	10 1 1 1					
AND REPORTED TO THE PROPERTY OF THE PARTY OF	Tisha Sanderson	-	Jisma Jury	war. 19	Llost 11					

Attachment



Docket No. DE 19-064 Attachment Staff 9-3.8 Page 1 of 156

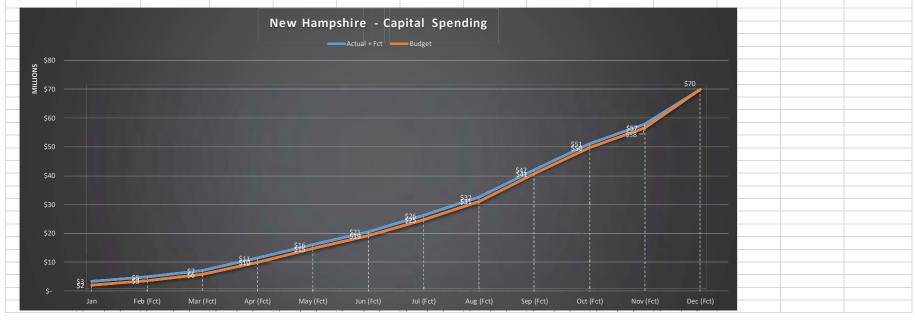
JANUARY 2018 CAPITAL SPENDING UPDATE - 02/20/2018

Agenda

- 1. Safety Moment
- 2. January 2018 Capital Spending Results
 - a. New Hampshire Overview
 - b. Entity Overview
- 3. High Profile Project Presentations
 - a. Fleet
 - b. CNG Fast Fill Stations
 - c. Windham/Pelham
 - d. Pelham Substation
 - e. Pelham Feeder
 - f. City/State Construction
 - g. CIBS
- 4. Project Closure Forms
- 5. 2018 Budget Discussion
- 6. Emergent Projects
- 7. Questions?

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							Capital Sper	ndi	ng YTD								
	Jan	Feb (Fct)	Mar (Fct)	Apr (Fct)	May (Fct)	Г	Jun (Fct)		Jul (Fct)	Aug (Fct)		Sep (Fct)	Oct (Fct)	Nov (Fct)		Dec (Fct)	Variance
Actual + Fct	\$ 3,382,822	\$ 4,852,990	\$ 7,082,095	\$ 11,373,157	\$ 16,044,269	\$	20,564,496	\$	26,079,705	\$ 32,474,285	\$	42,092,952	\$ 50,996,765	\$ 57,924,245	\$	69,913,700	
Budget	\$ 2,020,848	\$ 3,491,015	\$ 5,720,121	\$ 10,011,182	\$ 14,682,294	\$	19,202,522	\$	24,717,731	\$ 31,112,311	\$	40,730,978	\$ 49,634,791	\$ 56,562,271	\$	69,913,700	\$ 0
	Jan	Feb (Fct)	Mar (Fct)	Apr (Fct)	May (Fct)		Jun (Fct)		Jul (Fct)	Aug (Fct)		Sep (Fct)	Oct (Fct)	Nov (Fct)		Dec (Fct)	Annual
Actual EN	\$ 3,136,894	\$ 542,298	\$ 1,318,171	\$ 2,709,828	\$ 3,599,780	\$	3,040,197	\$	4,058,977	\$ 4,932,200	\$	7,339,555	\$ 6,689,356	\$ 4,328,736	\$	7,173,709	\$ 48,869,700
Actual GSE	\$ 238,556	\$ 903,876	\$ 902,956	\$ 1,559,743	\$ 1,033,476	\$	1,415,357	\$	1,376,749	\$ 1,259,029	\$	2,209,973	\$ 2,125,567	\$ 2,515,195	\$	4,609,523	\$ 20,150,000
Actual Keene	\$ 7,372	\$ 23,993	\$ 7,978	\$ 21,491	\$ 37,855	\$	64,673	\$	79,483	\$ 203,350	\$	69,140	\$ 88,891	\$ 83,549	\$	206,224	\$ 894,000
	3,382,822	1,470,168	2,229,105	4,291,062	4,671,112		4,520,227		5,515,209	6,394,580		9,618,667	8,903,813	6,927,480		11,989,455	\$ 69,913,700
	January	February	March	April	May		June		July	August	5	September	October	November	ı	December	Annual
Budget EN	\$ 986,074	\$ 542,298	\$ 1,318,171	\$ 2,709,828	\$ 3,599,780	\$	3,040,197	\$	4,058,977	\$ 4,932,200	\$	7,339,555	\$ 6,689,356	\$ 4,328,736	\$	9,324,529	\$ 48,869,700
Budget GSE	\$ 1,025,264	\$ 903,876	\$ 902,956	\$ 1,559,743	\$ 1,033,476	\$	1,415,357	\$	1,376,749	\$ 1,259,029	\$	2,209,973	\$ 2,125,567	\$ 2,515,195	\$	3,822,815	\$ 20,150,000
Budget Keene	\$ 9,510	\$ 23,993	\$ 7,978	\$ 21,491	\$ 37,855	\$	64,673	\$	79,483	\$ 203,350	\$	69,140	\$ 88,891	\$ 83,549	\$	204,086	\$ 894,000
	\$ 2,020,848	\$ 1,470,168	\$ 2,229,105	\$ 4,291,062	\$ 4,671,112	\$	4,520,227	\$	5,515,209	\$ 6,394,580	\$	9,618,667	\$ 8,903,813	\$ 6,927,480	\$	13,351,429	\$ 69,913,700



FEBRUARY 2018 CAPITAL SPENDING UPDATE - 04/06/2018

Agenda

- 1. Safety Moment
- 2. February 2018 Capital Spending Results
 - a. New Hampshire Overview
 - b. Entity Overview
- 3. High Profile Project Presentations
 - a. Fleet
 - b. CNG Fast Fill Stations
 - c. Windham/Pelham
 - d. Pelham Substation
 - e. Pelham Feeder
 - f. City/State Construction
 - g. CIBS
- 4. Project Closure Forms
- 5. 2018 Budget Discussion
- 6. Emergent Projects
- 7. Questions?

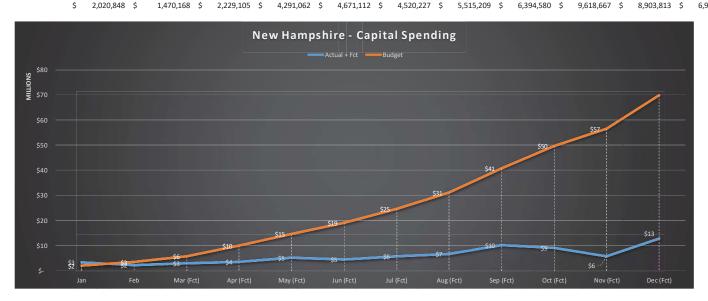
Docket No. DE 19-064 Exhibit 21 Attachment JED-3a

Docket No. DE 19-064 Attachment Staff 9-3.8 Page 4 of 156

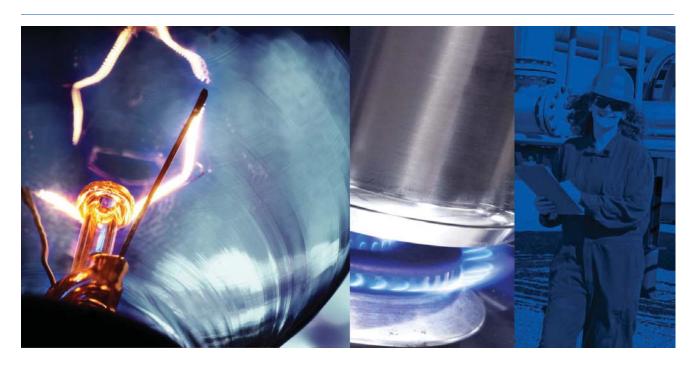
\$

Capital Spending YTD

	Jan	Feb		Mar (Fct)	Apr (Fct)		May (Fct)	Jun (Fct)	Jul (Fct)	-	Aug (Fct)		Sep (Fct)	(Oct (Fct)	Ν	lov (Fct)		Dec (Fct)	Variance
Actual + Fct	\$ 3,382,603 \$	2,363,42	7 \$	2,963,066	\$ 3,649,6	21 \$	5,221,952	\$ 4,533,561 \$	5,814,526 \$	\$	6,792,540	\$	10,168,662	\$	9,183,183	\$	5,831,000	\$	12,839,886	
Budget	\$ 2,020,848 \$	3,491,01	5 \$	5,720,121	\$ 10,011,1	82 \$	14,682,294	\$ 19,202,522 \$	24,717,731 \$	\$	31,112,311	\$	40,730,978	\$	49,634,791	\$	56,562,271	\$	69,913,700	\$ (57,073,814)
	Jan	Feb		Mar (Fct)	Apr (Fct)		May (Fct)	Jun (Fct)	Jul (Fct)	1	Aug (Fct)		Sep (Fct)	(Oct (Fct)	Ν	lov (Fct)	- 1	Dec (Fct)	Annual
Actual EN	\$ 3,141,615 \$	1,121,58	2 \$	2,441,749	\$ 2,568,4	84 \$	3,817,883	\$ 3,286,932 \$	4,032,252 \$	\$	4,586,686	\$	6,998,300	\$	6,180,736	\$	4,028,525	\$	8,623,765	\$ 50,828,508
Actual GSE	\$ 238,491 \$	1,203,14	3 \$	498,013	\$ 1,031,6	19 \$	1,339,689	\$ 1,192,202 \$	1,709,683 \$	\$	2,117,646	\$	3,039,099	\$	2,882,813	\$	1,725,059	\$	4,049,358	\$ 21,026,814
Actual Keene	\$ 2,497 \$	38,70	1 \$	23,305	\$ 49,5	18 \$	64,380	\$ 54,427 \$	72,592 \$	\$	88,209	\$	131,263	\$	119,634	\$	77,416	\$	166,763	\$ 888,704
	3,382,603	2,363,42	7	2,963,066	3,649,6	21	5,221,952	4,533,561	5,814,526		6,792,540		10,168,662		9,183,183		5,831,000	1	12,839,886	\$ 72,744,026
	January	February		March	April		May	June	July		August	S	eptember	(October	N	ovember	D	ecember	Annual
Budget EN	\$ 986,074 \$	542,29	8 \$	1,318,171	\$ 2,709,8	28 \$	3,599,780	\$ 3,040,197 \$	4,058,977 \$	\$	4,932,200	\$	7,339,555	\$	6,689,356	\$	4,328,736	\$	9,324,529	\$ 48,869,700
Budget GSE	\$ 1,025,264 \$	903,87	6 \$	902,956	\$ 1,559,7	43 \$	1,033,476	\$ 1,415,357 \$	1,376,749 \$	\$	1,259,029	\$	2,209,973	\$	2,125,567	\$	2,515,195	\$	3,822,815	\$ 20,150,000
Budget Keene	\$ 9,510 \$	23,99	3 \$	7,978	\$ 21,4	91 \$	37,855	\$ 64,673 \$	79,483 \$	\$	203,350	\$	69,140	\$	88,891	\$	83,549	\$	204,086	\$ 894,000
	\$ 2,020,848 \$	1,470,16	8 \$	2,229,105	\$ 4,291,0	62 \$	4,671,112	\$ 4,520,227 \$	5,515,209 \$	\$	6,394,580	\$	9,618,667	\$	8,903,813	\$	6,927,480	\$	13,351,429	\$ 69,913,700



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March 2018 Capital Spending

Monthly Update

April 30, 2018



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March 2018 Capital Spend Update - Agenda

- 1. Safety Moment
- 2. March 2018 Capital Spending Results
 - New Hampshire Overview
 - Entity Overview
- 3. High Profile Project Presentations
 - Golden Rock
 - Rte. 12 Widening
 - GSE New Business (Residential & Commercial)
 - Bare Conductor
 - Extend 14L4
 - CIBS
 - EN Meter Purchases
 - City/State Construction
- 4. Additional Capital Spending Discussion Items
- 5. Questions?

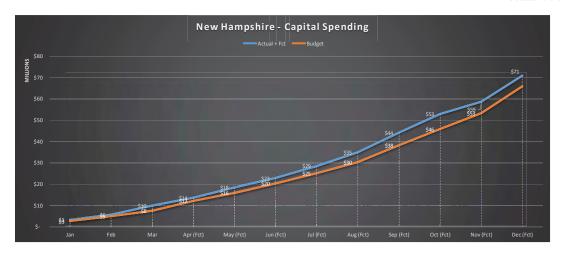


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Capital Spending YTD + Forecast

	Capital Spending YTD																									
		Jan	Feb		Mar		Apr (Fct)		May (Fct)		Jun (Fct)		Jul (Fct)		Aug (Fct)		Sep (Fct)		Oct (Fct)		Nov (Fct)		Dec (Fct)			
Actual + Fct	\$	3,362,297	\$	5,710,844	\$	9,969,402	\$	13,633,908	\$	18,455,318	\$	22,844,283	\$	28,536,272	\$	34,899,269	\$	44,154,441	\$	52,972,099	\$	58,714,879	\$	70,948,223		
Budget	\$	2,694,042	\$	4,949,888	\$	7,507,583	\$	12,111,862	\$	15,930,182	\$	20,393,063	\$	25,205,038	\$	30,239,375	\$	38,244,932	\$	45,814,613	\$	53,271,305	\$	65,813,700		
		Jan		Feb		Mar		Apr (Fct)		May (Fct)		Jun (Fct)		Jul (Fct)		Aug (Fct)		Sep (Fct)		Oct (Fct)		Nov (Fct)		Dec (Fct)		Annual
Actual EN	\$	3,141,615	\$	1,121,582	\$	2,276,867	\$	2,581,479	\$	3,420,209	\$	3,141,148	\$	3,910,129	\$	4,157,647	\$	6,085,562	\$	5,813,062	\$	3,940,748	\$	8,018,177	\$	47,608,225
Actual GSE	\$	218,185	\$	1,188,263	\$	1,964,959	\$	1,016,619	\$	1,334,689	\$	1,191,202	\$	1,709,683	\$	2,117,646	\$	3,039,099	\$	2,882,813	\$	1,725,059	\$	4,049,358	\$	22,437,575
Actual Keene	\$	2,497	\$	38,701	\$	16,732	\$	66,408	\$	66,512	\$	56,616	\$	72,177	\$	87,704	\$	130,512	\$	121,783	\$	76,973	\$	165,809	\$	902,423
		3,362,297		2,348,547		4,258,558		3,664,506		4,821,409		4,388,966		5,691,989		6,362,997		9,255,173		8,817,658		5,742,780		12,233,343		70,948,223
		January		February		March		April		May		June		July		August		September		October		November		December		Annual
Budget EN	\$	406,579	\$	223,601	\$	543,510	\$	1,117,319	\$	1,484,265	\$	1,253,537	\$	1,673,601	\$	2,033,649	\$	3,026,252	\$	2,758,161	\$	1,784,828	\$	3,844,698	\$	20,150,000
Budget GSE	\$	2,277,953	\$	2,008,252	\$	2,006,208	\$	3,465,470	\$	2,296,200	\$	3,144,671	\$	3,058,890	\$	2,797,338	\$	4,910,165	\$	4,722,629	\$	5,588,314	\$	8,493,611	\$	44,769,700
Budget Keene	\$	9,510	; _	23,993	\$	7,978	\$	21,491	\$	37,855	\$	64,673	\$	79,483	\$	203,350	\$	69,140	\$	88,891	\$	83,549	\$	204,086	\$	894,000
	\$	2,694,042	\$	2,255,846	\$	2,557,695	\$	4,604,280	\$	3,818,320	\$	4,462,881	\$	4,811,975	\$	5,034,338	\$	8,005,556	\$	7,569,681	\$	7,456,692	\$	12,542,395	\$	65,813,700

Forecasted Variance: \$ (5,134,523)





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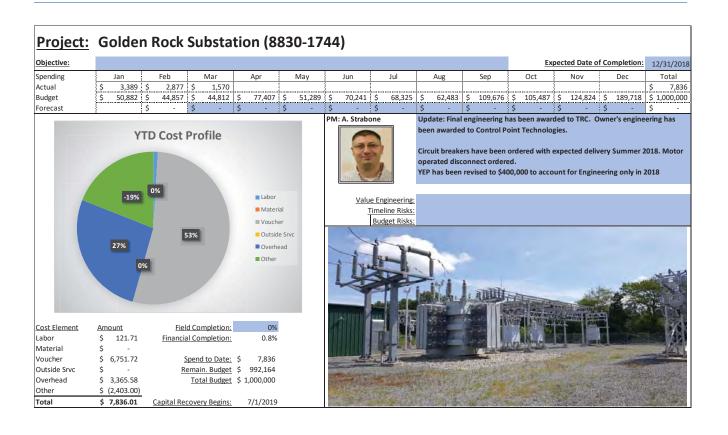
March 2018 Capital Spend Reporting

High Profile Projects



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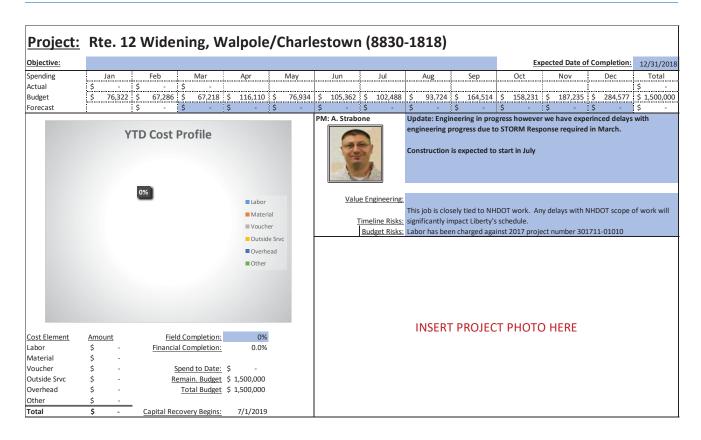
Golden Rock Substation





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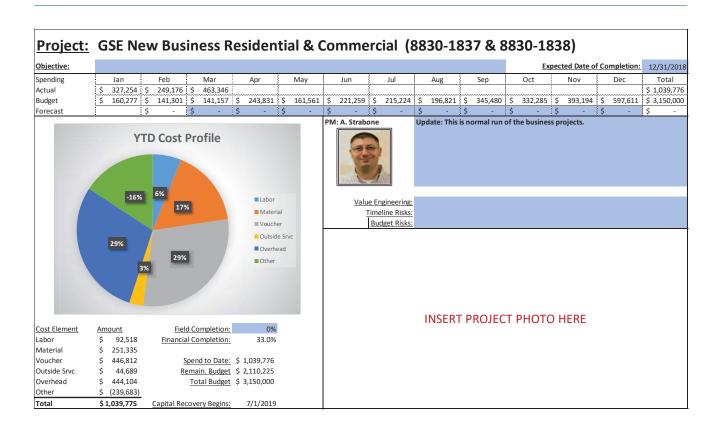
Rte. 12 Widening, Walpole/Charlestown





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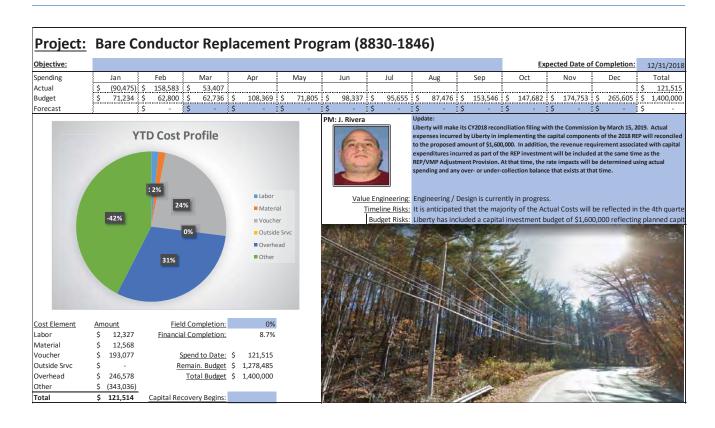
GSE New Business - Residential & Commercial





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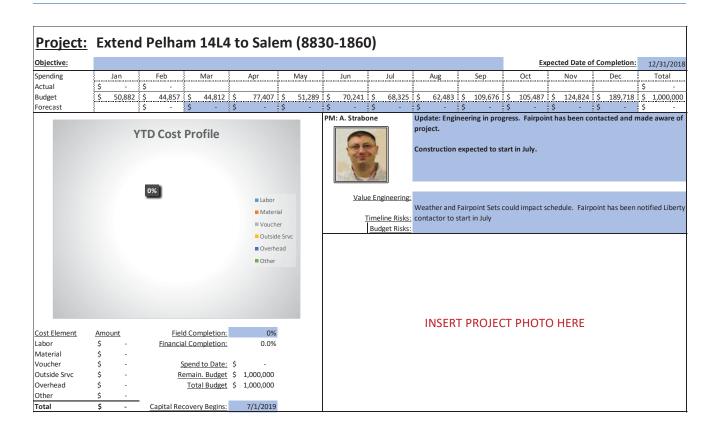
Bare Conductor Replacement Program





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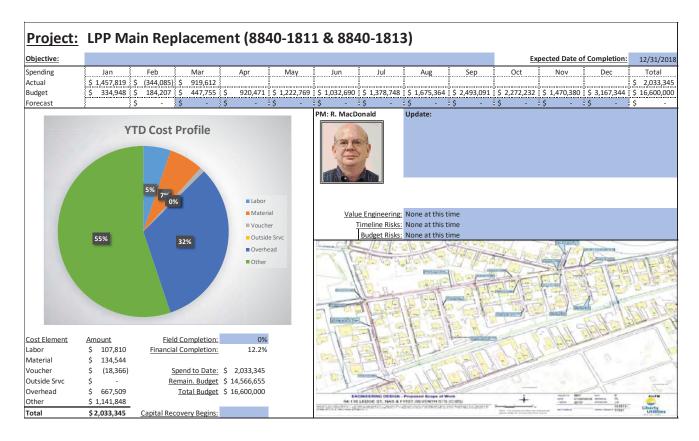
Extend Pelham 14L4 to Salem





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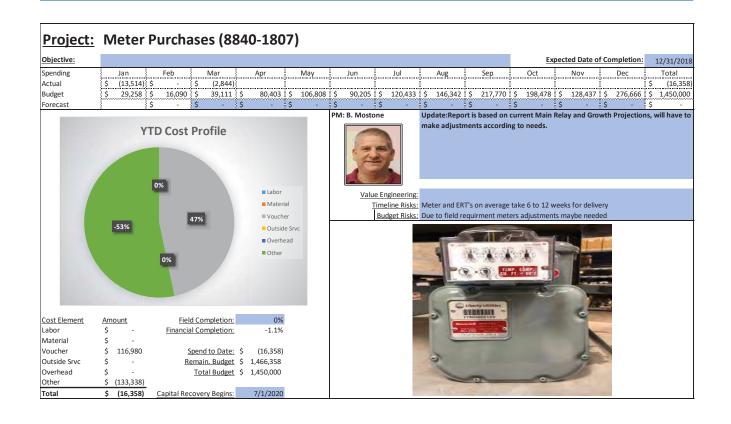
LPP Main Replacement





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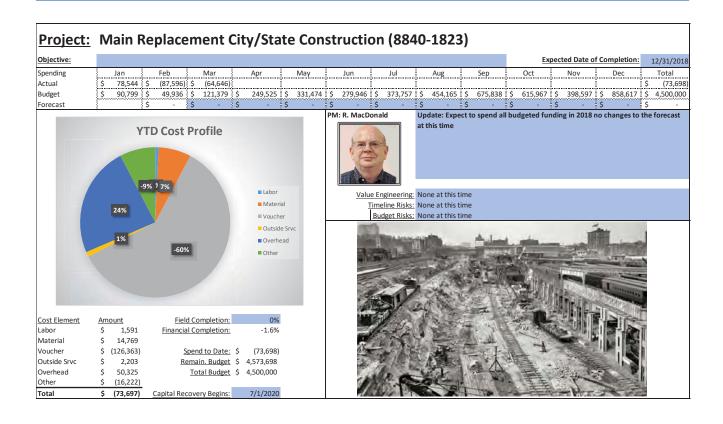
Meter Purchases





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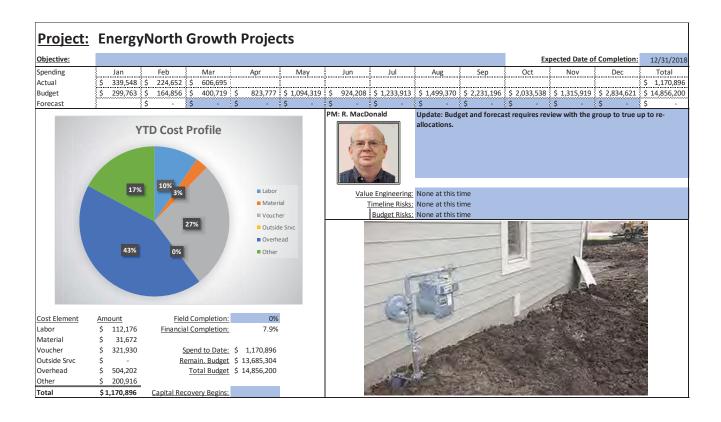
Main Replacement City/State Construction





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EnergyNorth Growth Projects





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Additional Capital Spend Discussion Items

- New Projects for 2018 Needs identified but not funded in budget
 - \$1.975m new projects identified for 2018

Project Number	Project Description	Project Manager	Amount
8830-1861	Solar Area Lighting - 9 Lowell Rd Salem	Anthony Strabone	50,000
8830-1862	Electric Charging Station - Exit 2 Park & Ride Salem	Anthony Strabone	50,000
8830-1866	Replace Salem Depot Feeder Gateways	Anthony Strabone	1,200,000
8840-1860	Incremental Transit-Connect Vehicles & Pipe Locating Equipment	Rich MacDonald	302,400
8840-1861	Concord Office Noise Reduction	Richard Foley	40,416
8840-1863	Gas Control Alarm Management Software	Greg Clement	108,000
8830-1803	01659 Granite St Meter Purchases	Rich Foley	225,000
		Total Needed:	1,975,816

\$950k possible available funds in 2018 budget

Project Number	Project Description	Project Manager	Amount
8840-1807	Meter Work Project (Meter Purchases)	Bob Mostone	400,000
8840-1814	K Meter Replacement Program	Rich MacDonald	150,000
8840-1815	Aldyl-A Replacement Program	Rich MacDonald	100,000
8840-1831	Gas System Planning & Reliability	Ryan Burns	300,000
		Total Available:	950,000

- Emergent Projects & Funding
- Budget Planning for 2019
- Questions?



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April 2018 Capital Spending Monthly Update

May 29, 2018



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April 2018 Capital Spend Update - Agenda

- 1. Safety Moment
- 2. Introduction
- 3. April 2018 Capital Spending Results
 - New Hampshire Overview
 - Entity Overview
- 4. High Profile Project Presentations
 - Golden Rock
 - Rte. 12 Widening
 - GSE New Business (Residential & Commercial)
 - Bare Conductor
 - Extend 14L4
 - CIBS
 - EN Meter Purchases
 - City/State Construction
- 5. Additional Capital Spending Discussion Items
- 6. Questions?



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Capital Spending YTD + Forecast

1,121,582 \$ 2,276,867 \$

Actual + Fct Budget

									Capital Spe	ndir	ng YTD										
	Jan	Feb	Mar		Apr		May (Fct)		Jun (Fct)		Jul (Fct)		Aug (Fct)	Sep (Fct)			Oct (Fct)	Nov (Fct)	Dec (Fct)		
Г	\$ 3,362,297	\$ 5,710,844	\$ 9,969,402	\$	12,910,917	\$	16,733,547	\$	20,659,683	\$	25,778,667	\$	32,221,042	\$	42,275,526	\$	51,217,846	\$ 57,155,905	\$ 68,362,328		
Г	\$ 1,942,944	\$ 3,372,941	\$ 5,494,122	\$	9,560,878	\$	13,925,513	\$	18,191,155	\$	23,362,325	\$	29,334,930	\$	38,329,603	\$	46,665,474	\$ 53,234,583	\$ 65,800,928		

May (Fct)

Actual EN Actual GSE Actual Keene

Actual Recife

Budget EN Budget GSE Budget Keene

\$	218,185	\$	1,188,263	\$	1,964,959	\$ 308,250	\$	845,800	\$	956,254	\$	1,251,131	\$	1,919,889	\$	3,475,409	\$ 2,804,505	\$	1,811,838	\$	3,351,641	\$ 20,096,125
\$	2,497	\$	38,701	\$	16,732	\$ 43,329	\$	62,092	\$	52,828	\$	67,193	\$	91,649	\$	121,501	\$ 173,570	\$	71,659	\$	154,360	\$ 896,111
	3,362,297		2,348,547		4,258,558	2,941,515		3,822,630		3,926,136		5,118,984		6,442,375		10,054,484	8,942,319		5,938,059		11,206,423	68,362,328
	January		February		March	April		May		June		July		August		September	October	- 1	November		December	Annual
\$	899,870	\$	494,889	\$	1,202,934	\$ 2,472,930	\$	3,285,082	\$	2,774,418	\$	3,704,135	\$	4,501,019	\$	6,697,919	\$ 6,104,561	\$	3,950,311	\$	8,509,363	\$ 44,597,431
\$	1,033,613	\$	911,237	\$	910,310	\$ 1,572,445	\$	1,041,893	\$	1,426,884	\$	1,387,961	\$	1,269,283	\$	2,227,971	\$ 2,142,877	\$	2,535,679	\$	3,853,947	\$ 20,314,100
\$	9,461	\$	23,870	\$	7,936	\$ 21,380	\$	37,661	\$	64,340	\$	79,074	\$	202,303	\$	68,784	\$ 88,433	\$	83,119	\$	203,035	\$ 889,397
Ś	1,942,944	Ś	1.429.997	Ś	2.121.181	\$ 4.066.756	Ś	4.364.635	Ś	4.265.642	Ś	5.171.170	Ś	5.972.605	Ś	8.994.673	\$ 8.335.871	Ś	6.569.108	Ś	12.566.346	\$ 65.800.928

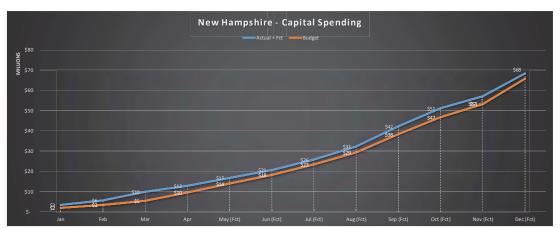
Aug (Fct)

Sep (Fct)

2,589,936 \$ 2,914,739 \$ 2,917,054 \$ 3,800,660 \$ 4,430,838 \$ 6,457,574 \$ 5,964,244 \$ 4,054,562 \$ 7,700,422 \$ 47,370,092

Forecasted Variance:

(2,561,400)





Docket No. DE 19-064 Attachment Staff 9-3.8 Page 22 of 156

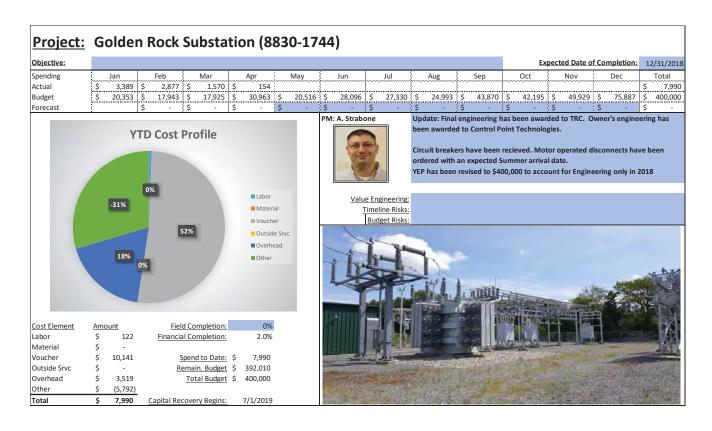
March 2018 Capital Spend Reporting

High Profile Projects



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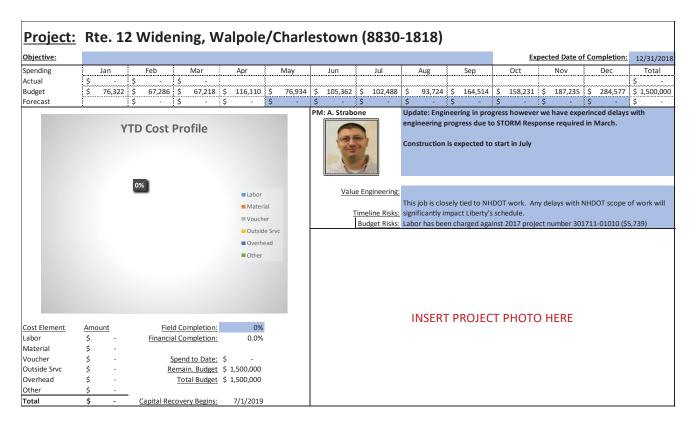
Golden Rock Substation





Docket No. DE 19-064 Attachment Staff 9-3.8 Page 24 of 156

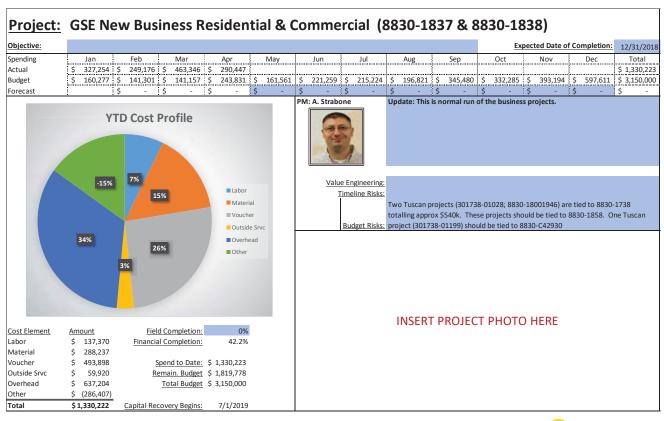
Rte. 12 Widening, Walpole/Charlestown





Docket No. DE 19-064 Attachment Staff 9-3.8 Page 25 of 156

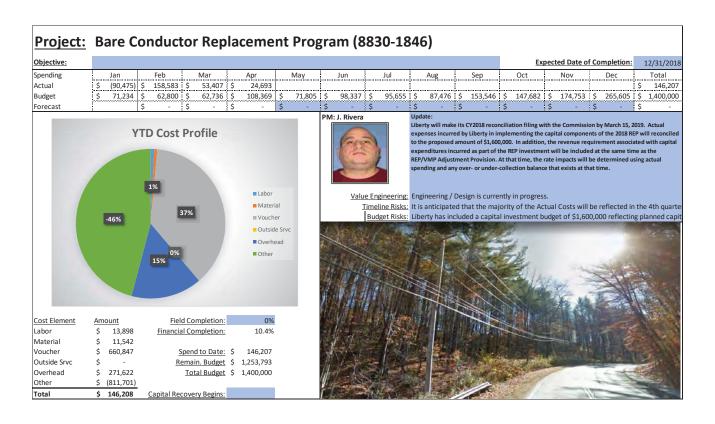
GSE New Business - Residential & Commercial





Docket No. DE 19-064 Attachment Staff 9-3.8 Page 26 of 156

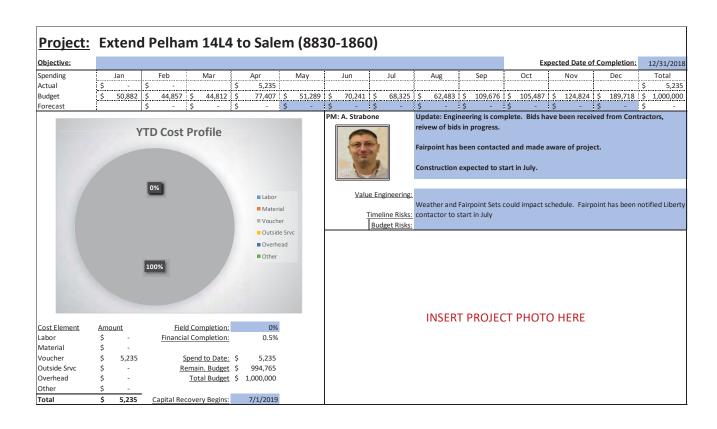
Bare Conductor Replacement Program





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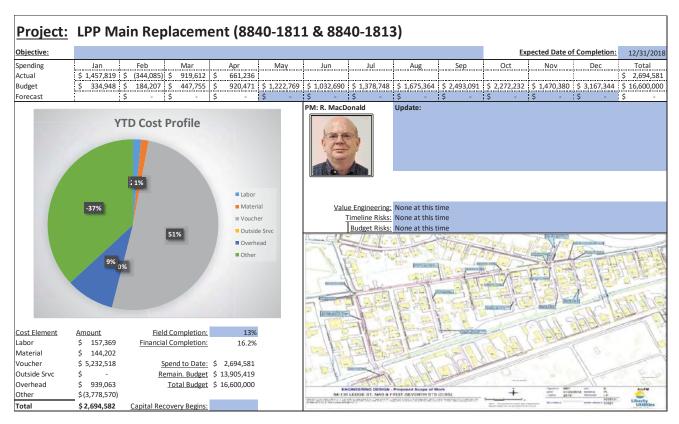
Extend Pelham 14L4 to Salem





Docket No. DE 19-064 Attachment Staff 9-3.8 Page 28 of 156

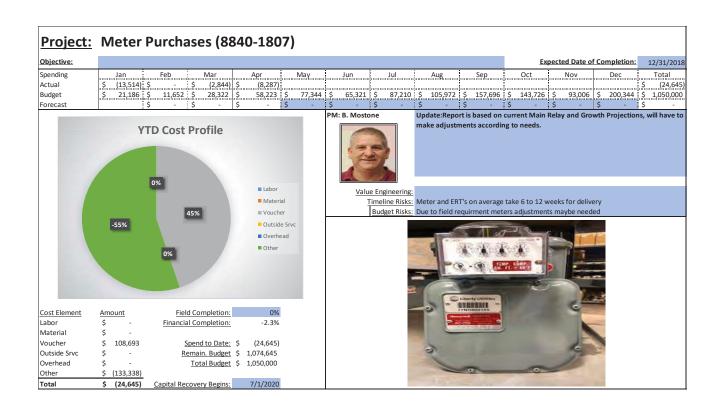
LPP Main Replacement





Docket No. DE 19-064 Attachment Staff 9-3.8 Page 29 of 156

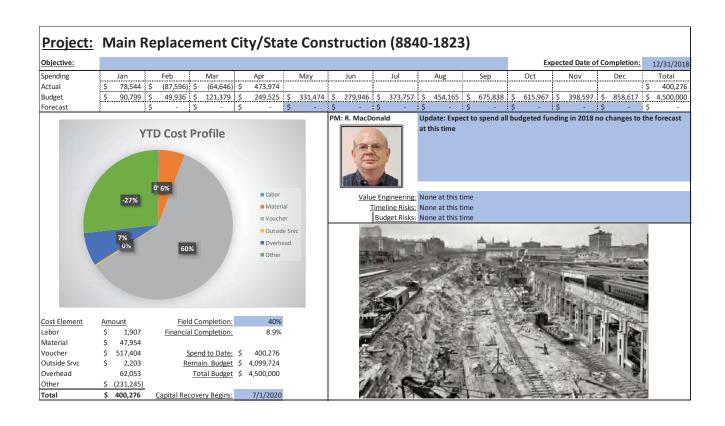
Meter Purchases





Docket No. DE 19-064 Attachment Staff 9-3.8 Page 30 of 156

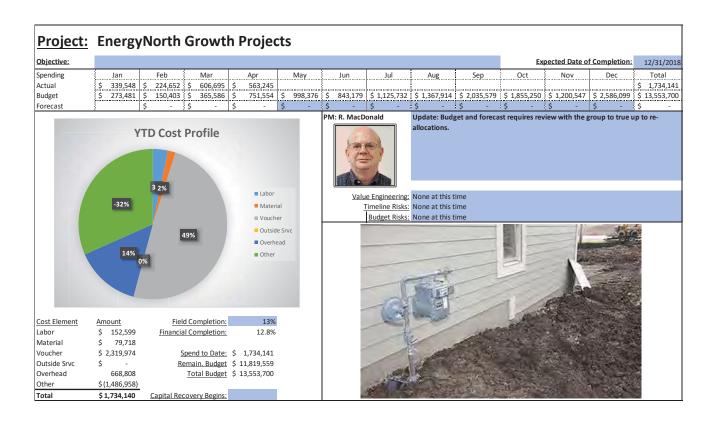
Main Replacement City/State Construction





Docket No. DE 19-064 Attachment Staff 9-3.8 Page 31 of 156

EnergyNorth Growth Projects





Docket No. DE 19-064 Attachment Staff 9-3.8 Page 32 of 156

Additional Capital Spend Discussion Items

• New Projects for 2018 – Needs identified but not funded in budget

\$1.6m new projects identified for 2018

Project Number	Project Description	Project Manager	Amount
8830-1861	Solar Area Lighting - 9 Lowell Rd Salem	Anthony Strabone	50,000
8830-1862	Electric Charging Station - Exit 2 Park & Ride Salem	Anthony Strabone	50,000
8830-1866	Replace Salem Depot Feeder Gateways	Anthony Strabone	1,200,000
8830-1873	EAP - Cogsdale CIS Systems Modifications	Marcia Spence	269,541
		Total Needed:	1,569,541

- Monthly updates to forecast spending; new monthly reporting for Oakville
- Carry-over spend from 2017 Roughly ~\$2.2m from prior year projects not included in 2018 budget
- Emergent Projects & Funding
- Budget Planning for 2019 Meeting scheduled for June 4th.
- Questions?



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May 2018 Capital Spending

Monthly Update

June 21, 2018



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May 2018 Capital Spend Update - Agenda

- 1. Safety Moment
- 2. Introduction
- 3. May 2018 Capital Spending Results
 - New Hampshire Overview
 - Entity Overview
- 4. High Profile Project Presentations
 - Golden Rock
 - Rte. 12 Widening
 - GSE New Business (Residential & Commercial)
 - Bare Conductor
 - Extend 14L4
 - CIBS
 - EN Meter Purchases
 - City/State Construction
- 5. Additional Capital Spending Discussion Items
- 6. Questions?



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Capital Spending YTD + Forecast

Actual + Fct Budget

							Capital Sper	ndin	ng YTD											
Jan	Feb	Mar		Apr	Apr May		Jun (Fct)		Jul (Fct)		Aug (Fct)		Sep (Fct)	Oct (Fct)			Nov (Fct)	Dec (Fct)		
\$ 3,362,297	\$ 5,710,844	\$ 9,969,402	\$	12,910,917	\$	20,675,552	\$ 25,102,286	\$	30,546,413	\$	37,343,924	\$	47,400,623	\$	55,760,197	\$	61,053,256	\$ 69,902,082		
\$ 1,942,944	\$ 3,372,941	\$ 5,494,122	\$	9,560,878	\$	13,925,513	\$ 18,191,155	\$	23,362,325	\$	29,334,930	\$	38,329,603	\$	46,665,474	\$	53,234,583	\$ 65,800,928		

Jun (Fct)

Actual EN Actual GSE Actual Keene

\$	3,141,615	\$ 1	L,121,582	2,276,867	\$ 2,589,936	\$ 6,508,821	\$	3,370,969	\$	3,980,299	\$ 4,596,217	\$	6,225,970	\$ 5,384,131	\$	3,431,232	\$	5,417,463	\$ 48,045,103
\$	218,185	\$ 1	1,188,263	1,964,959	\$ 308,250	\$ 1,200,621	\$	966,529	\$	1,328,780	\$ 2,097,538	\$	3,653,059	\$ 2,871,879	\$	1,811,838	\$	3,351,641	\$ 20,961,543
\$	2,497	\$	38,701	16,732	\$ 43,329	\$ 55,192	\$	89,237	\$	135,047	\$ 103,755	\$	177,672	\$ 103,562	\$	49,989	\$	79,722	\$ 895,435
	3,362,297	2,	348,547	4,258,558	2,941,515	7,764,635		4,426,735		5,444,127	6,797,511		10,056,700	8,359,573		5,293,059		8,848,826	69,902,082
					- "														-
	January	repr	ruary	March	April	May		June		July	August		September	October	r	lovember	L	December	Annual
\$	899,870	\$	494,889 S	March 1,202,934	\$ 2,472,930	\$ 3,285,082	\$	June 2,774,418	\$	3,704,135	\$ 4,501,019	_	6,697,919	\$ 6,104,561	\$	3,950,311	\$	8,509,363	\$ 44,597,431
\$		\$	·· /		\$ -		\$		<u> </u>		\$ 	_		\$	\$		\$		\$
\$ \$ \$	899,870	\$	494,889	1,202,934	\$ 2,472,930	3,285,082	\$ \$ \$	2,774,418	<u> </u>	3,704,135	\$ 4,501,019	\$	6,697,919	\$ 6,104,561	\$	3,950,311	\$	8,509,363	\$ 44,597,431

Jul (Fct)

Aug (Fct)

Sep (Fct)

Oct (Fct)

Nov (Fct)

Dec (Fct)

Budget EN Budget GSE Budget Keene





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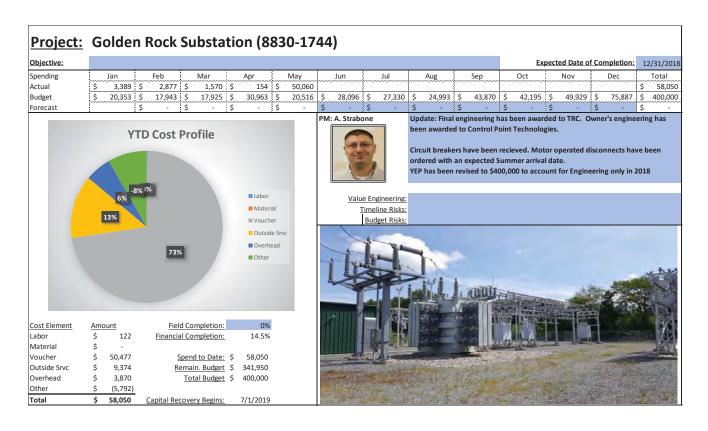
May 2018 Capital Spend Reporting

High Profile Projects



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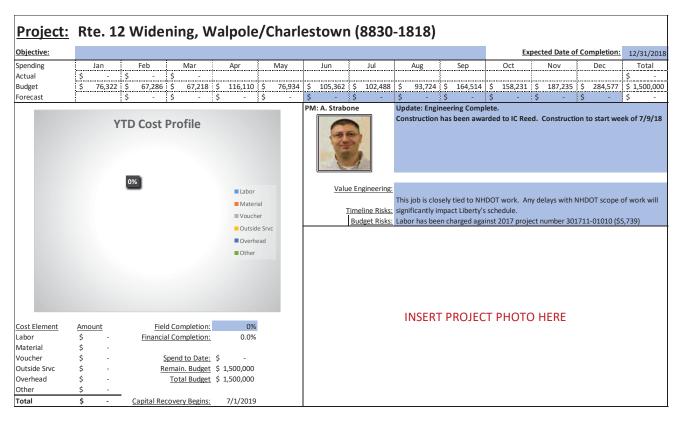
Golden Rock Substation





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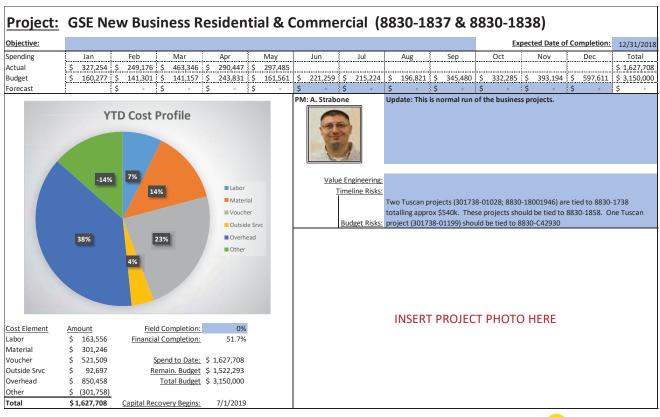
Rte. 12 Widening, Walpole/Charlestown





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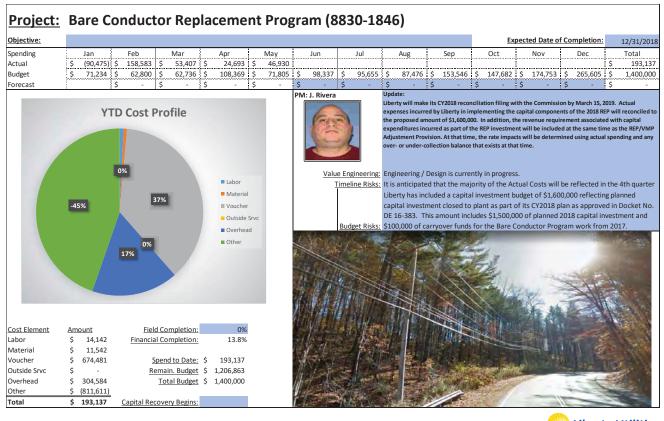
GSE New Business - Residential & Commercial





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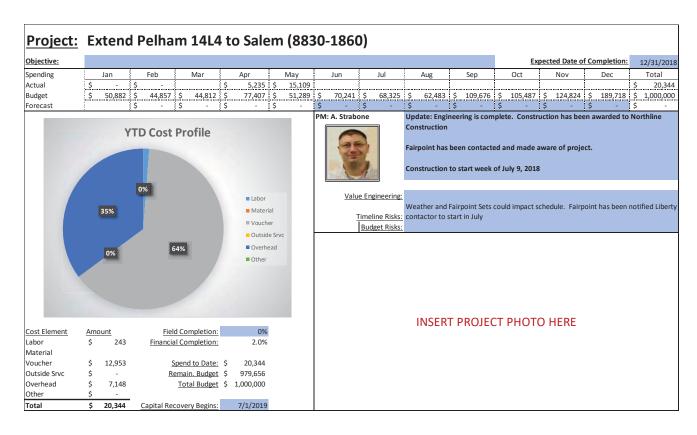
Bare Conductor Replacement Program





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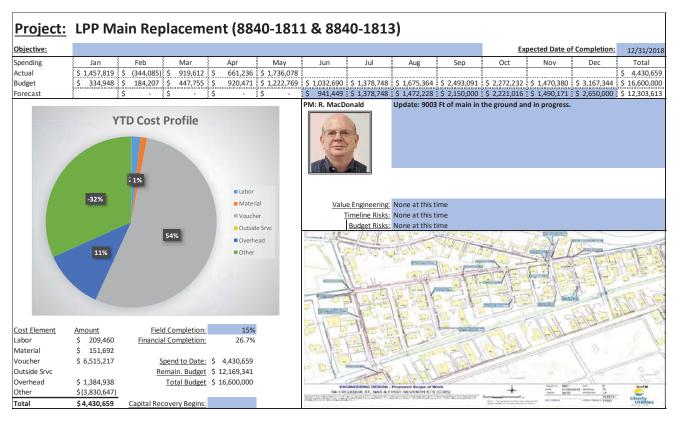
Extend Pelham 14L4 to Salem





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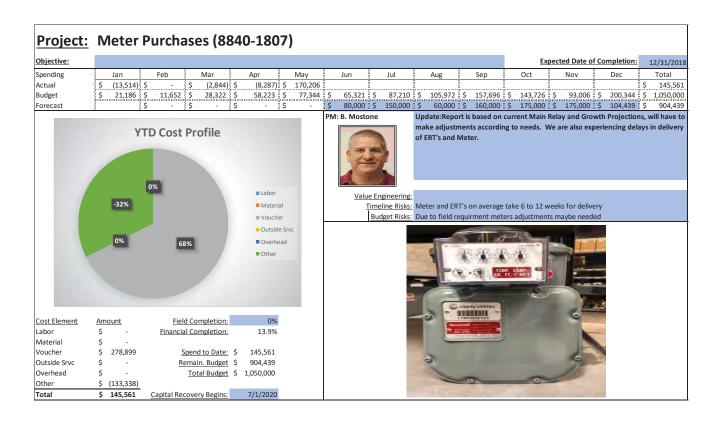
LPP Main Replacement





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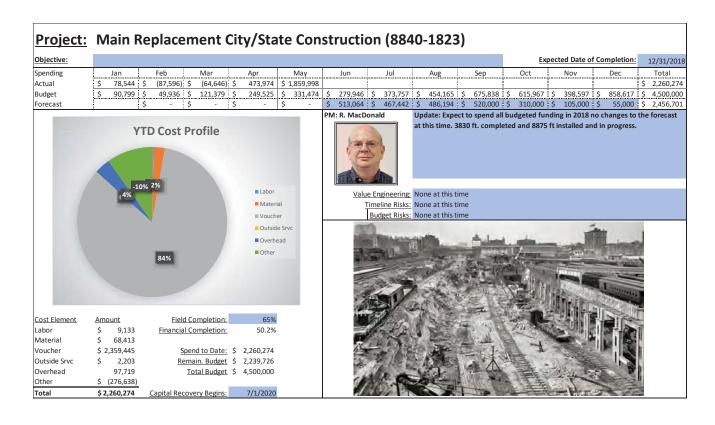
Meter Purchases





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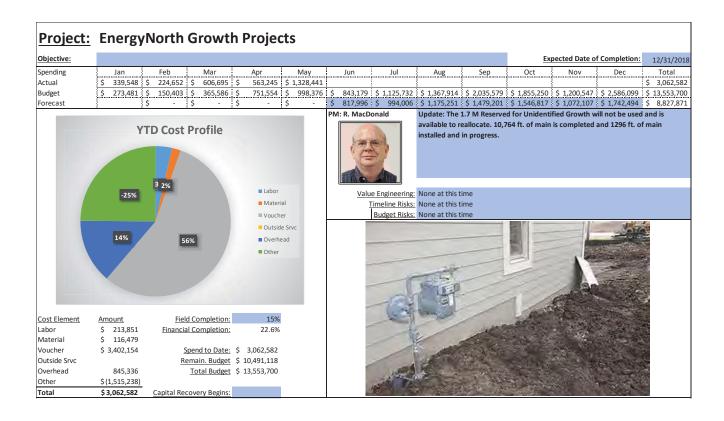
Main Replacement City/State Construction





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EnergyNorth Growth Projects





Docket No. DE 19-064 Attachment Staff 9-3.8 Page 46 of 156

Additional Capital Spend Discussion Items

- Monthly updates to forecast spending; impact to monthly reporting for Oakville
 - Need to ensure updates provided to finance promptly
 - Projected year end variance of \$0 unless projecting under/(over) spend; necessary over-expenditure forms can be submitted anytime.
 - Plan for meetings to review June capital spend results and forecast for remainder of 2018
- Carry-over spend from 2017 Roughly ~\$2.6m (spent 2018)

			2018						
Project -	Project Description	-	Budget -	May (YTD) T	Jan 🕝	Feb 星	Mar 星	Apr 🔽	May 🔻
8840-1772	2017 System Reinforcement - Manchester West Side Loop		-	1,078,478	134,029	134,715	296,560	313,955	199,219
8840-1761	Windham/Pelham Managed Expansion Project		-	1,051,264	137,736	33,458	426,151	285,063	168,855
8840-C18800	Upgrade Hi Line - Concord to Tilton		-	173,767	1,150	99,535	92,163	(93,983)	74,901
8830-C18620	Charlestown DSub		-	129,128	977	75,784	19,031	1,784	31,552
8840-1767	TD Williamson Tapping & Stoppering Equipment Replace & Upgra		-	114,789	114,789	-	-	-	-
				2.547.425					

- These are prior year projects not included in the 2018 budget
- Above represents 2017 projects > \$100k carry-over in 2018
- Total carry-over of \$2.57m (net of some credits applied in 2018)
- Capital budget planning for 2019 on-going
- Questions?



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June 2018 Capital Spending

Monthly Update

July 23, 2018



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June 2018 Capital Spend Update - Agenda

- 1. Safety Moment
- 2. June 2018 Capital Spending Results
 - New Hampshire Overview
 - Entity Overview
- 3. High Profile Project Presentations
 - Golden Rock
 - Rte. 12 Widening
 - GSE New Business (Residential & Commercial)
 - Extend 14L4
 - Salem Depot Getaways
 - EN Meter Purchases
 - Bare Conductor
 - CIBS
 - City/State Construction
 - EN Growth
- 4. Additional Capital Spending Discussion Items
- 5. Questions?



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Capital Spending YTD + Forecast

2,589,936 \$

304,751 \$

6,586,321 \$

1,193,060 \$

2,276,867

1,963,819 \$

1,121,582 \$

1,186,803 \$

218,185 \$

Actual + Fct Budget

					Capital Spe	ndir	ng YTD					
Jan	Feb	Mar	Apr	May	Jun		Jul (Fct)	Aug (Fct)	Sep (Fct)	Oct (Fct)	Nov (Fct)	Dec (Fct)
\$ 3,362,297	\$ 5,709,383	\$ 9,966,801	\$ 12,904,818	\$ 20,739,391	\$ 26,166,565	\$	32,244,807	\$ 41,268,703	\$ 50,808,024	\$ 59,170,561	\$ 64,839,768	\$ 73,133,237
\$ 2,117,123	\$ 3,714,012	\$ 5,993,113	\$ 10,345,787	\$ 14,945,355	\$ 19,525,857	\$	25,033,408	\$ 31,820,900	\$ 41,653,261	\$ 50,828,495	\$ 57,911,263	\$ 71,372,188
								\$ 264,050	\$ 264,050	\$ 264,050		

1,088,028 \$

Actual EN Actual GSE Actual Keene

	\$	2,497	\$	38,701	\$	16,732	\$	43,329	\$	55,192 \$	\$	73,302	\$	130,894	\$	583,709	\$	170,162	\$	96,718	\$	45,560	\$	70,181	\$	1,326,978
		3,362,297		2,347,087		4,257,418		2,938,016		7,834,574	5,4	27,174		6,078,242		9,023,896		9,539,321		8,362,537		5,669,207		8,293,469		73,133,237
		January		February		March		April		May	Ju	ne		July		August	5	September		October	- 1	November		December		Annual
	\$	910,726	\$	500,859	\$	1,217,446	\$	2,502,763	\$	3,324,712 \$	\$ 2,	807,887	\$	3,748,820	\$	4,804,528	\$	7,030,459	\$	6,424,731	\$	3,997,966	\$	8,612,017	\$	45,882,915
	\$	1,186,619	\$	1,046,127	\$	1,045,063	\$	1,805,213	\$	1,196,124 \$	\$ 1,0	638,105	\$	1,593,420	\$	1,536,892	\$	2,652,763	\$	2,558,250	\$	2,911,034	\$	4,424,445	\$	23,594,055
е	\$	19,779	\$	49,902	\$	16,592	\$	44,698	\$	78,733 \$	\$:	134,509	\$	165,310	\$	446,071	\$	149,139	\$	192,254	\$	173,768	\$	424,463	\$	1,895,218
	Ś	2 117 123	Ġ	1 596 889	¢	2 279 101	Ġ	1 352 671	Ś	1 599 568 S	\$ 41	580 501	Ś	5 507 551	Ś	6 727 /191	Ġ	9 832 361	Ś	9 175 235	Ġ	7 082 767	Ġ	13 /60 925	Ś	71 377 188

Jul (Fct)

Aug (Fct)

1,811,038 \$ 3,447,017 \$ 3,665,935 \$

4,265,843 \$ 4,136,310 \$ 4,993,170 \$ 5,703,224

Sep (Fct)

Oct (Fct)

3,005,580 \$

Nov (Fct)

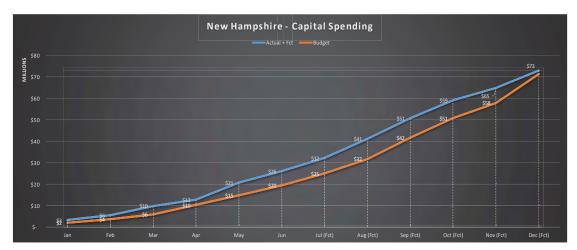
5,260,238 \$ 3,391,732 \$

Budget EN Budget GSE Budget Keene

Forecasted Variance: (1,761,049)

Dec (Fct)

2,231,915 \$ 2,912,604 \$





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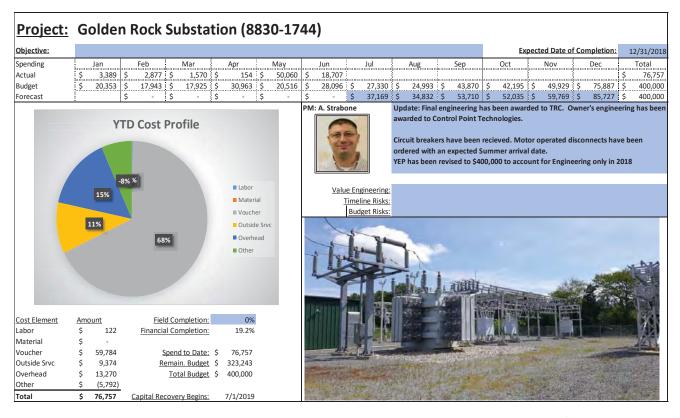
June 2018 Capital Spend Reporting

High Profile Projects



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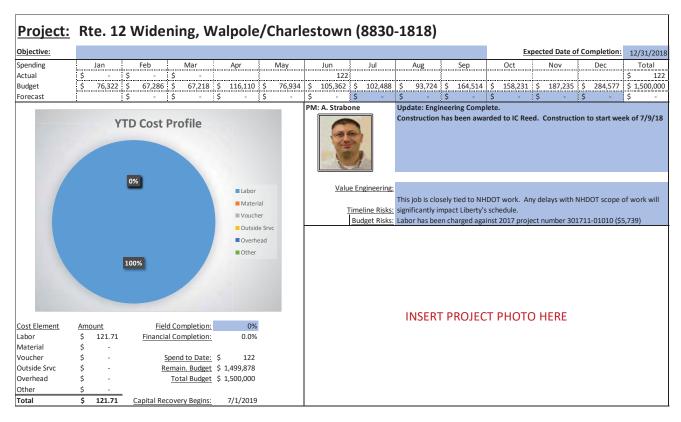
Golden Rock Substation





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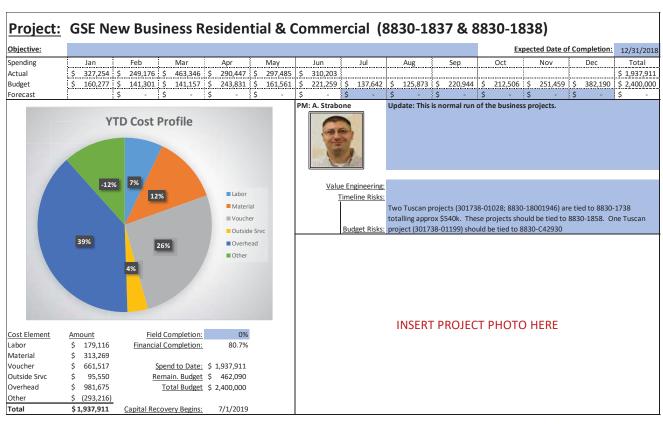
Rte. 12 Widening, Walpole/Charlestown





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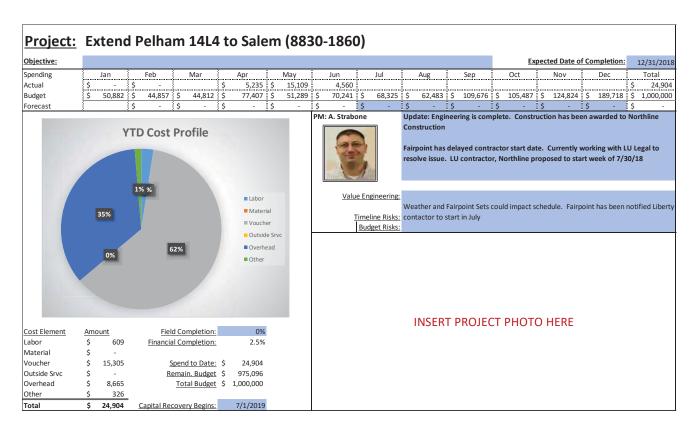
GSE New Business - Residential & Commercial





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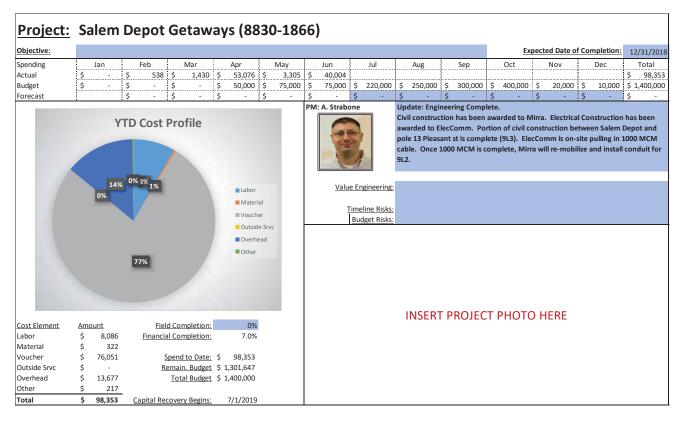
Extend Pelham 14L4 to Salem





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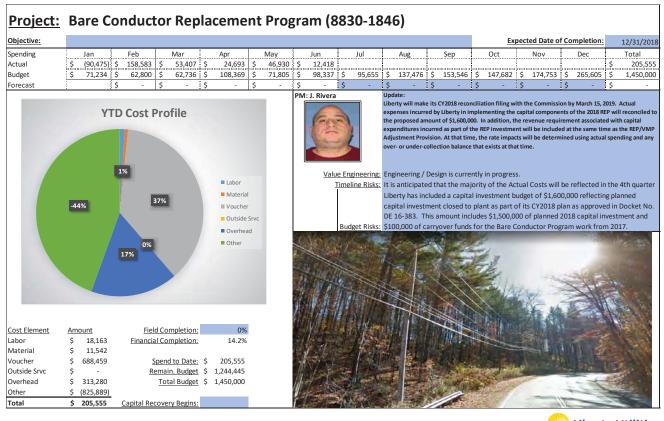
Salem Depot Getaways





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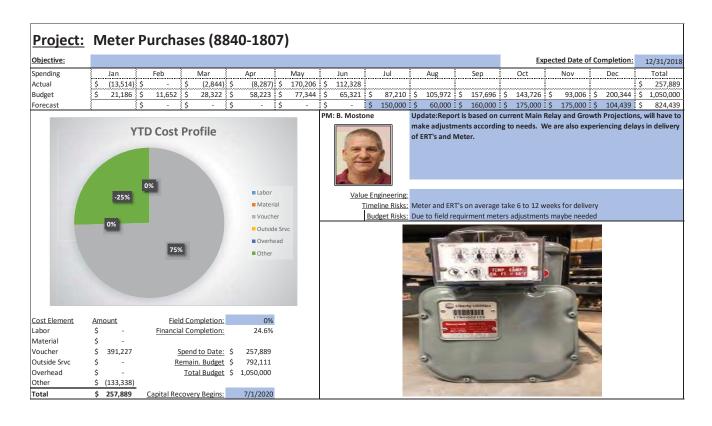
Bare Conductor Replacement Program





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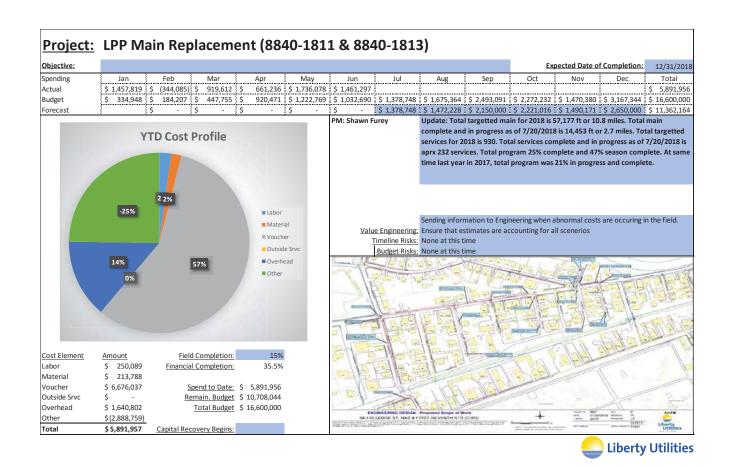
Meter Purchases





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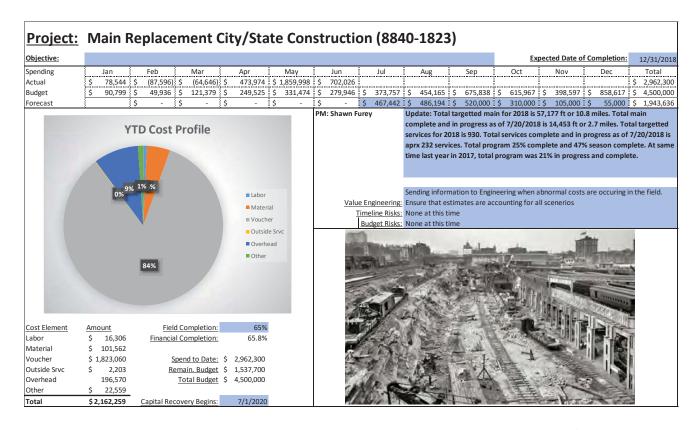
LPP Main Replacement



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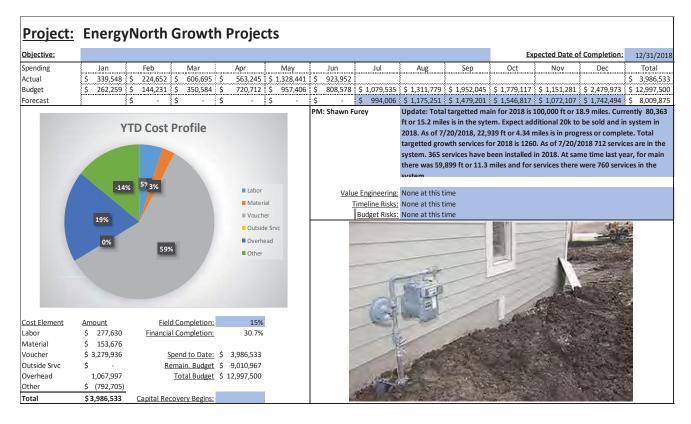
Main Replacement City/State Construction





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EnergyNorth Growth Projects





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Additional Capital Spend Discussion Items

- Monthly updates to forecast spending; impact to monthly reporting for Oakville
 - Need to ensure updates provided to finance promptly
 - Projected year end variance of \$0 unless projecting under/(over) spend; necessary overexpenditure forms can be submitted anytime.
- Capital budget planning for 2019
 - File located in Engineering shared drive should be updated with latest on proposed 2019 capex budget
- Questions?



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July 2018 Capital Spending Monthly Update

September 6, 2018



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July 2018 Capital Spend Update - Agenda

- 1. Safety Moment
- 2. July 2018 Capital Spending Results
 - New Hampshire Overview
 - Entity Overview
- 3. High Profile Project Presentations
 - Golden Rock
 - Rte. 12 Widening
 - GSE New Business (Residential & Commercial)
 - Extend 14L4
 - Salem Depot Getaways
 - EN Meter Purchases
 - Bare Conductor
 - CIBS
 - City/State Construction
 - EN Growth
- 4. Additional Capital Spending Discussion Items
- 5. Questions?



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Capital Spending YTD + Forecast

Capital Spending YTD

Actual + Fct	\$	3,362,297	\$	5,709,
Budget	Ś	2.117.123	Ś	3.714.

Actual EN Actual GSE Actual Keene

Budge	t EN	
Budge	t GSE	

Jan	Feb	Mar	Apr	May	Jun	Jul		Aug (Fct)	Sep (F	t)	0	Oct (Fct)	N	Nov (Fct)	Dec (Fct)
\$ 3,362,297	\$ 5,709,383	\$ 9,966,801	\$ 12,904,818	\$ 20,739,391	\$ 26,166,565	\$ 34,24	2,987	\$ 43,143,714	\$ 52,83	7,338	\$ 1	60,978,006	\$	66,988,901	\$ 74,209,945
\$ 2,117,123	\$ 3,714,012	\$ 5,993,113	\$ 10,345,787	\$ 14,945,355	\$ 19,525,857	\$ 25,03	3,408	\$ 31,820,900	\$ 41,65	3,261	\$!	50,828,495	\$	57,911,263	\$ 71,372,188
							-	¢ 264.0E0	ė 26	4 050	ć	264.050			

\$	3,141,615	\$ 1,121,582	\$ 2,276,867	\$ 2,589,936	\$ 6,586,321	\$ 4,265,843	\$ 6,405,222	\$ 4,776,628	\$ 5,935,927	\$	5,062,885	\$ 3,688,149	\$	4,411,659	\$ 50,262,634
\$	218,185	\$ 1,186,803	\$ 1,963,819	\$ 304,751	\$ 1,193,060	\$ 1,088,028	\$ 1,617,407	\$ 3,514,268	\$ 3,538,550	\$	2,921,146	\$ 2,229,181	\$	2,726,759	\$ 22,501,957
\$	2,497	\$ 38,701	\$ 16,732	\$ 43,329	\$ 55,192	\$ 73,302	\$ 53,794	\$ 609,831	\$ 219,147	\$	156,638	\$ 93,564	\$	82,627	\$ 1,445,354
	3,362,297	2,347,087	4,257,418	2,938,016	7,834,574	5,427,174	8,076,422	8,900,727	9,693,624		8,140,668	6,010,894		7,221,044	74,209,945
_	3,362,297 January	2,347,087 February	4,257,418 March	2,938,016 April	7,834,574 May	5,427,174 June	8,076,422 July	8,900,727 August	9,693,624 September	_	8,140,668 October	6,010,894 November	-	7,221,044 December	74,209,945 Annual
\$		\$, , ,	\$, . , .	\$,,-	\$, ,-	\$ -, ,	\$ -,,	\$ -,,	\$ -,,-	\$	-, -,	\$ -,,	\$		\$

Aug (Fct)

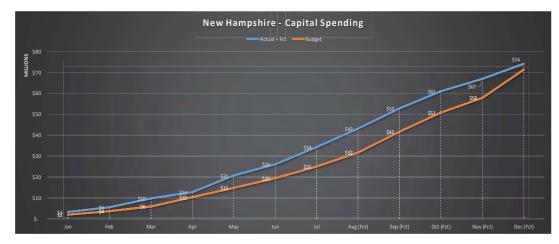
Sep (Fct)

Oct (Fct)

44,698 \$ 78,733 \$ 134,509 \$ 446,071 \$ 192,254 \$ 1,596,889 \$ 2,279,101 \$ 4,352,674 \$ 4,599,568 \$ 4,580,501 \$ 5,507,551 \$ 6,787,491 \$ 9,832,361 \$ 9,175,235 \$ 7,082,767 \$ 13,460,925 \$

Forecasted Variance:

(2,837,757)





Docket No. DE 19-064 Exhibit 21 Attachment JED-3a

Docket No. DE 19-064 Attachment Staff 9-3.8 Page 65 of 156

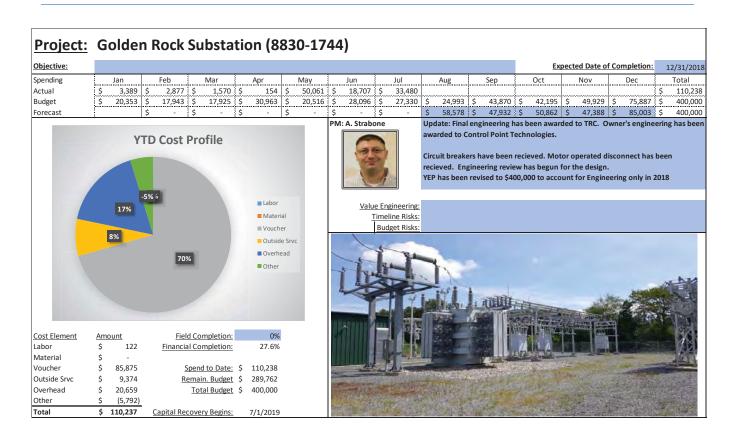
July 2018 Capital Spend Reporting

High Profile Projects



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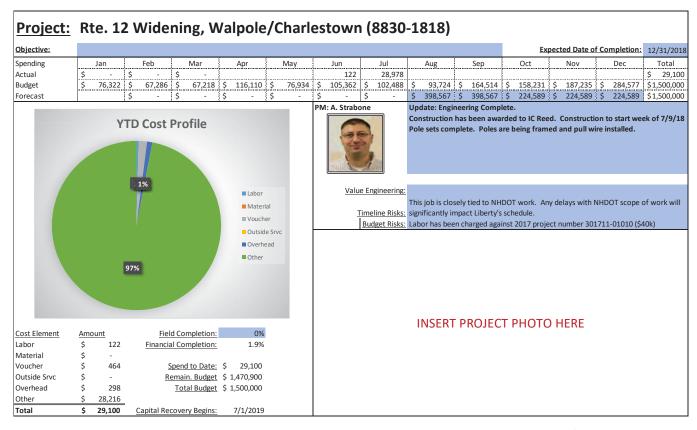
Golden Rock Substation





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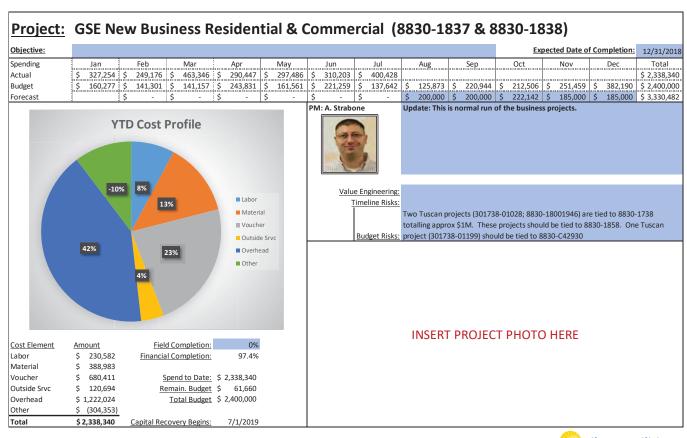
Rte. 12 Widening, Walpole/Charlestown





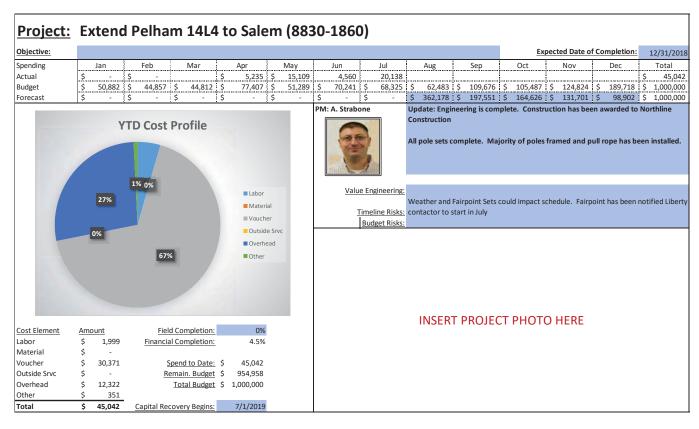
Docket No. DE 19-064 Attachment Staff 9-3.8 Page 68 of 156

GSE New Business - Residential & Commercial



Docket No. DE 19-064 Attachment Staff 9-3.8 Page 69 of 156

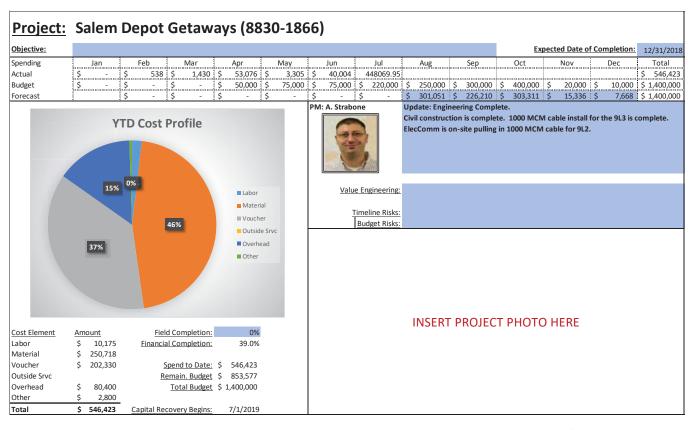
Extend Pelham 14L4 to Salem





Docket No. DE 19-064 Attachment Staff 9-3.8 Page 70 of 156

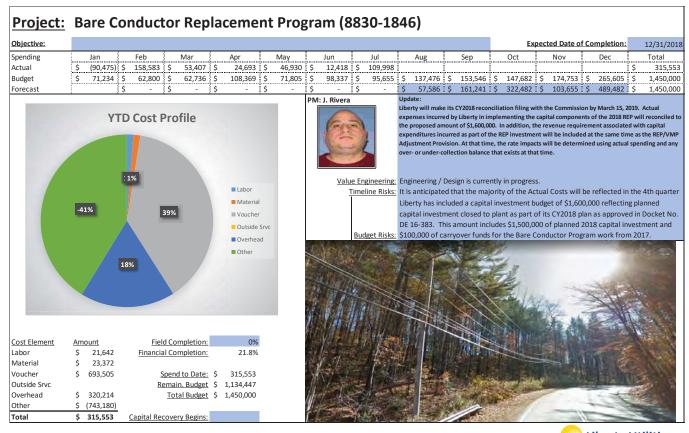
Salem Depot Getaways





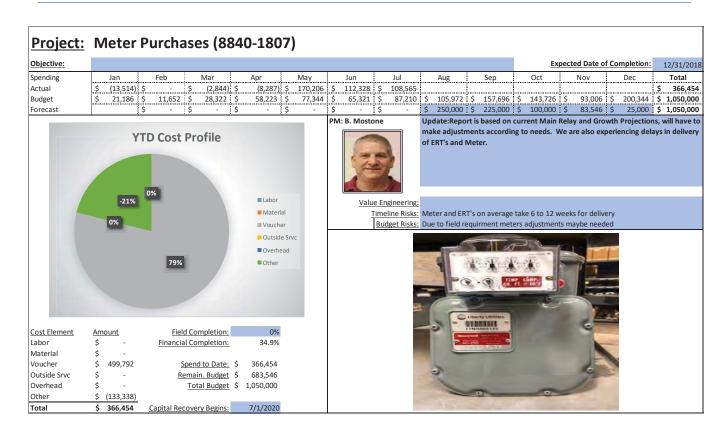
Docket No. DE 19-064 Attachment Staff 9-3.8 Page 71 of 156

Bare Conductor Replacement Program



Docket No. DE 19-064 Attachment Staff 9-3.8 Page 72 of 156

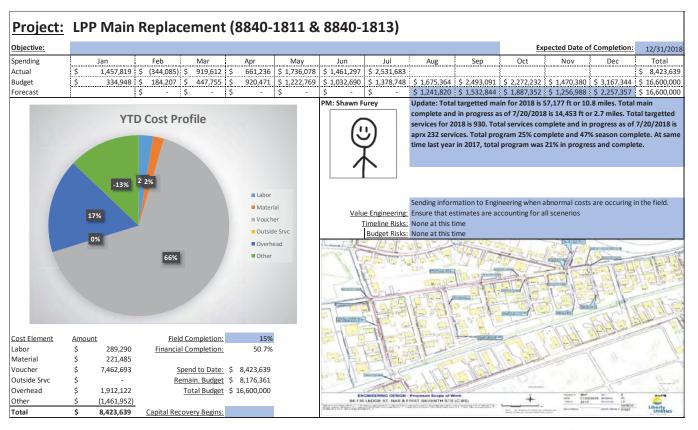
Meter Purchases





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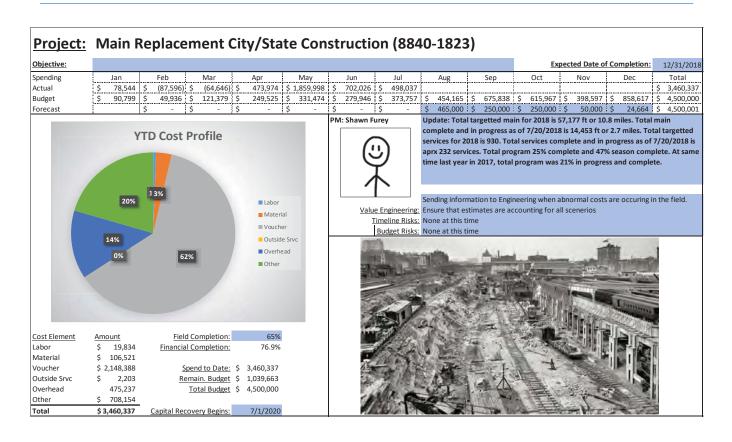
LPP Main Replacement





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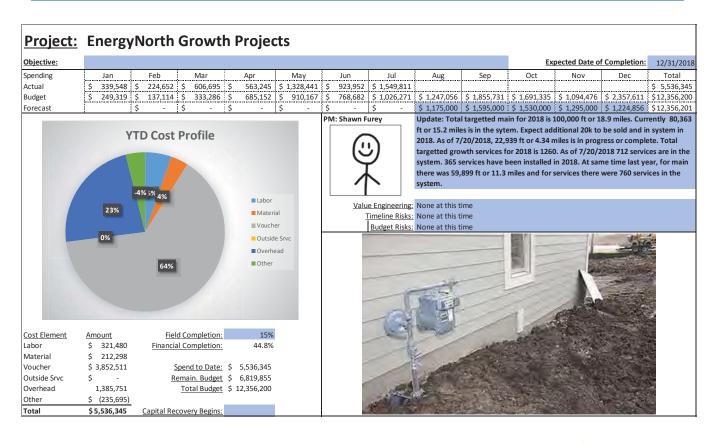
Main Replacement City/State Construction





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EnergyNorth Growth Projects





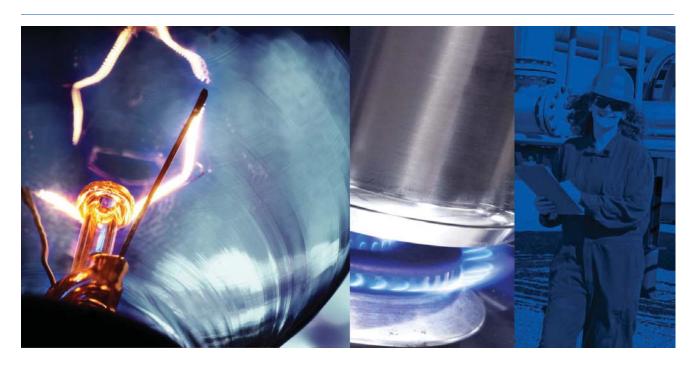
Docket No. DE 19-064 Attachment Staff 9-3.8 Page 76 of 156

Additional Capital Spend Discussion Items

- Monthly updates to forecast spending; impact to monthly reporting for Oakville
 - Need to ensure updates provided to finance promptly
 - Projected year end variance of \$0 unless projecting under/(over) spend; necessary overexpenditure forms can be submitted anytime
 - Plan for identifying and submitting over expenditure forms to be discussed at our next meeting late September
 - Process for close-out forms; to be submitted by year end
- Capital budget planning for 2019
 - Updates to capital spend for 2019 in the budget planning model
 - Expect meetings by late September to finalize capital spend plan for 2019 following review and finalization of the overall budget by Oakville
 - Ideas on how to best to facilitate Business Case Forms for 2019 capital projects
 - Team lead/point-person for review (prior to Finance review)
 - Location for saved files
 - Process improvements
- Questions?



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August 2018 Capital Spending Monthly Update

September 27, 2018



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August 2018 Capital Spend Update - Agenda

- 1. Safety Moment
- 2. August 2018 Capital Spending Results
 - New Hampshire Overview
 - Entity Overview
- 3. High Profile Project Presentations
 - Golden Rock
 - Rte. 12 Widening
 - GSE New Business (Residential & Commercial)
 - Extend 14L4
 - Salem Depot Getaways
 - EN Meter Purchases
 - Bare Conductor
 - CIBS
 - City/State Construction
 - EN Growth
- 4. Additional Capital Spending Discussion Items
- 5. Questions?



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Capital Spending YTD + Forecast

Actual + Fct Budget

						Capital Sper	nding YTD					
	Jan	Feb	Mar	Apr	Mav	Jun	Jul	Aug	Sep (Fct)	Oct (Fct)	Nov (Fct)	Dec (Fct)
								- 0				,
\$	3,362,297	\$ 5,709,383	\$ 9,966,801	\$ 12,904,818	\$ 20,739,391	\$ 26,166,565	\$ 34,242,987	\$ 44,064,980	\$ 54,706,490	\$ 64,293,302	\$ 73,022,746	\$ 77,452,325
<u>^</u>	2.002.002	ć F 200 0F0	ć 7.004.044	£ 42.034.FF7	6 47.064.453	ć 24 004 002	6 27 420 422	£ 22.044.540	£ 42.026.500	ć 50.576.000	£ 50 500 340	ć 72 200 020
\ \ \	2,862,902	\$ 5,266,958	\$ 7,994,814	\$ 12,921,557	\$ 17,064,153	\$ 21,891,902	\$ 27,128,433	\$ 33,044,518	\$ 42,036,580	\$ 50,576,988	\$ 58,599,349	\$ 72,209,939

Actual EN Actual GSE Actual Keene

Budget EN Budget GSE Budget Keene

-	3,3	2,497 362,297	Ş	38,701 2,347,087	Ş	16,732 4,257,418	Ş	43,329 2,938,016	Ş	55,192 7,834,574	Ş	73,302 5,427,174	Ş	53,794 8,076,422	Ş	573,315 9,821,993	_	175,330 10,641,510	Ş	94,337 9,586,812	Ş	28,475 8,729,444	Ş	32,504 4,429,578	Ş	1,187,508 77,452,325
	lar	nuarv		February		March		April		Mav		June		July		August	9	September		October	-	November		December		Annual
	J u.	iiuuiy												,												
Ş		454,450	_	249,927	\$	607,502	\$	1,248,872	\$	1,659,022	\$	1,401,128	\$	1,870,651	\$	2,397,447	\$	3,508,180	\$	3,205,923	\$	1,994,974	\$	4,297,373	\$	22,895,450
ç	}		_	,	\$		\$		\$		\$		\$		\$		\$		\$		\$	1,994,974 5,862,384	\$		\$	22,895,450 47,514,875
¢,	}	454,450	\$	249,927	\$ \$ \$	607,502	\$ \$ \$	1,248,872	\$ \$ \$	1,659,022	\$ \$	1,401,128	\$ \$ \$	1,870,651	\$ \$ \$	2,397,447	\$	3,508,180	-	3,205,923	\$, ,-	\$ \$	4,297,373	\$ \$,,

Forecasted Variance:

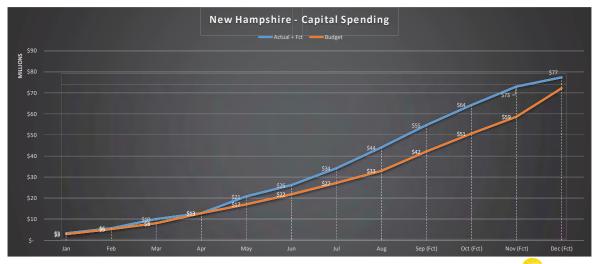
Dec (Fct)

Oct (Fct)

Sep (Fct)

Nov (Fct)

(5,242,386)





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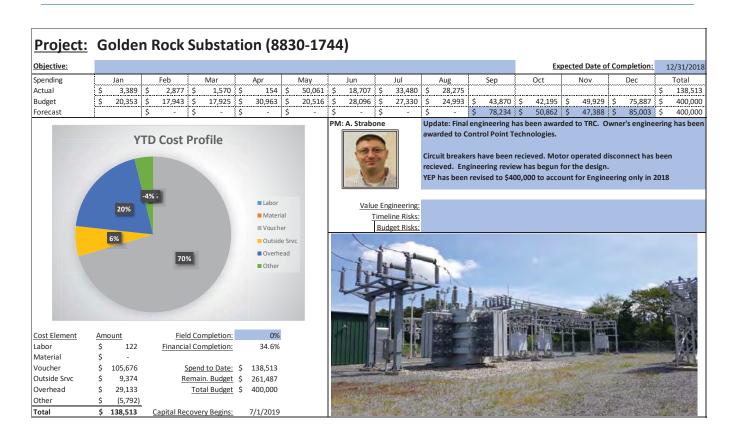
August 2018 Capital Spend Reporting

High Profile Projects



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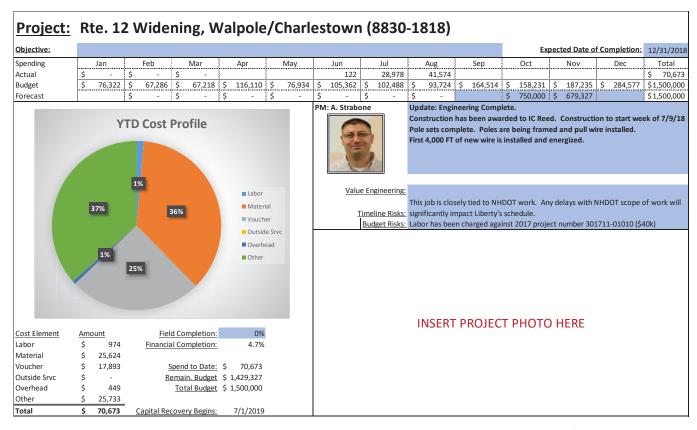
Golden Rock Substation





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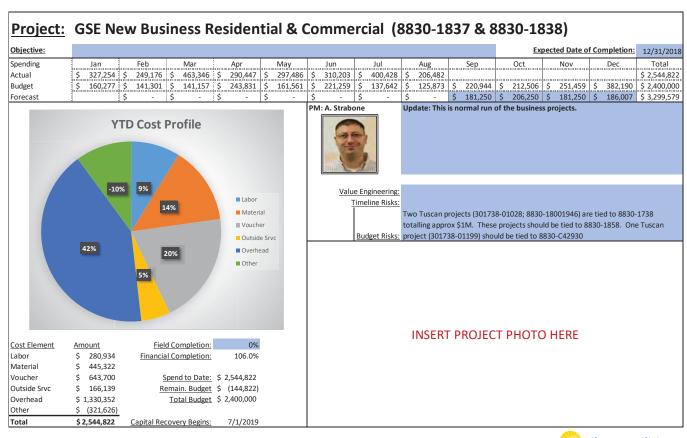
Rte. 12 Widening, Walpole/Charlestown





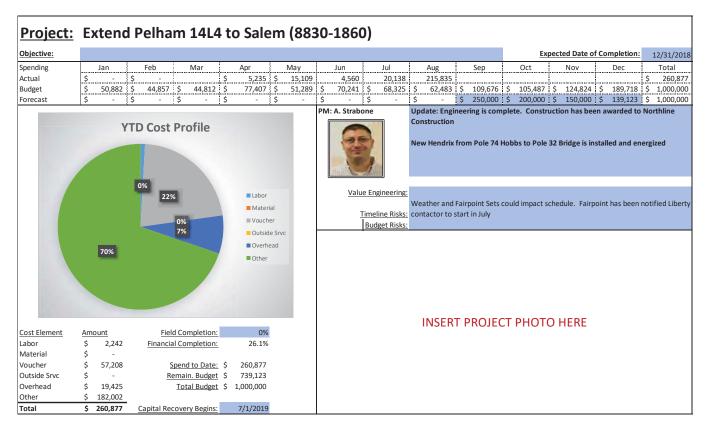
Docket No. DE 19-064 Attachment Staff 9-3.8 Page 83 of 156

GSE New Business - Residential & Commercial



Docket No. DE 19-064 Attachment Staff 9-3.8 Page 84 of 156

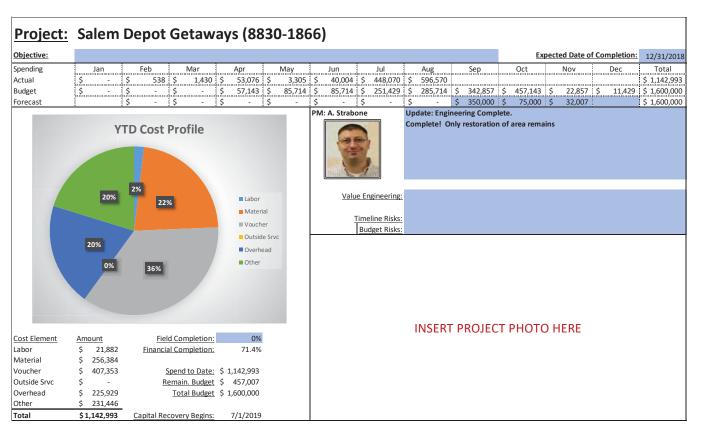
Extend Pelham 14L4 to Salem





Docket No. DE 19-064 Attachment Staff 9-3.8 Page 85 of 156

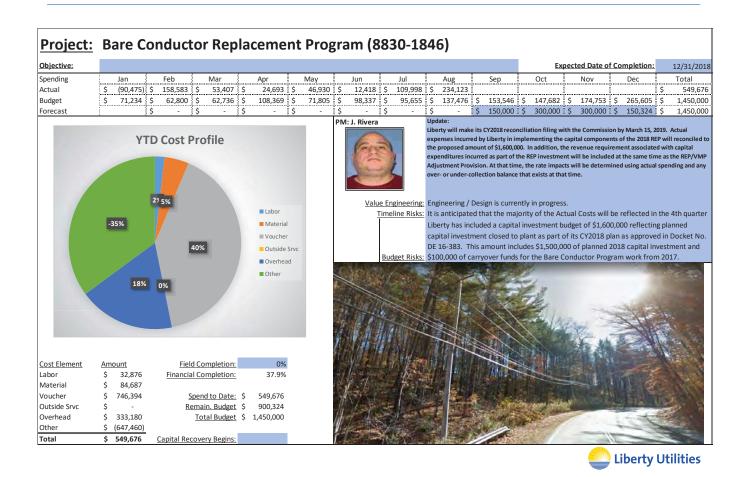
Salem Depot Getaways





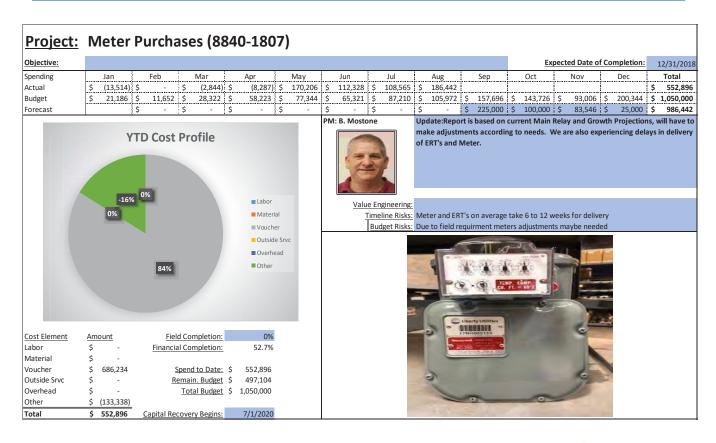
Docket No. DE 19-064 Attachment Staff 9-3.8 Page 86 of 156

Bare Conductor Replacement Program



Docket No. DE 19-064 Attachment Staff 9-3.8 Page 87 of 156

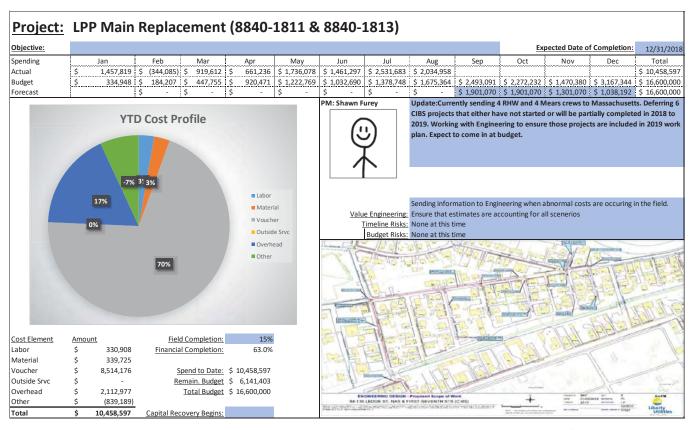
Meter Purchases





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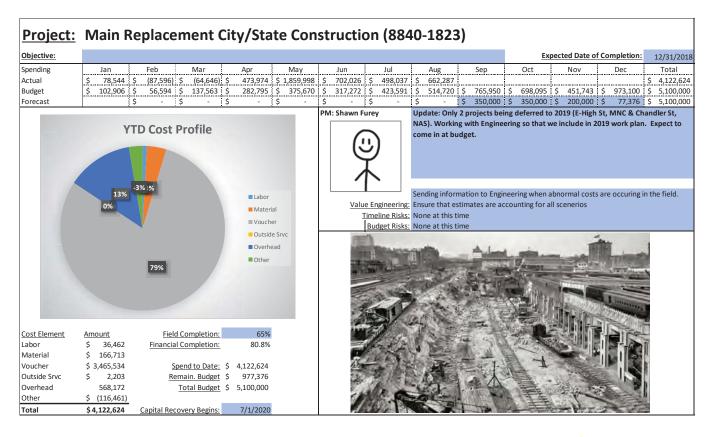
LPP Main Replacement





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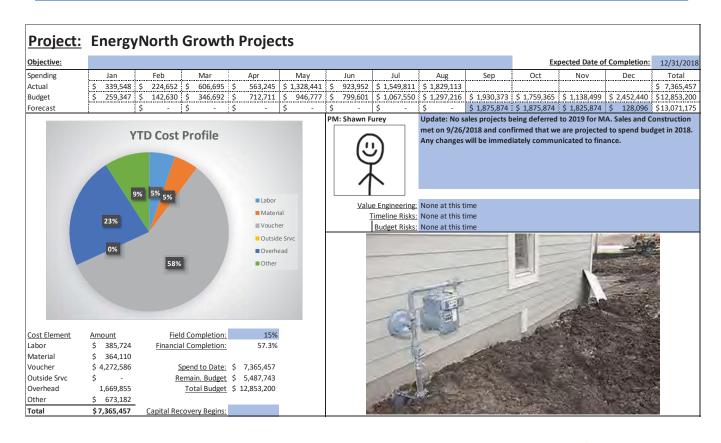
Main Replacement City/State Construction





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EnergyNorth Growth Projects





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Additional Capital Spend Discussion Items

August Year-to-date Summary

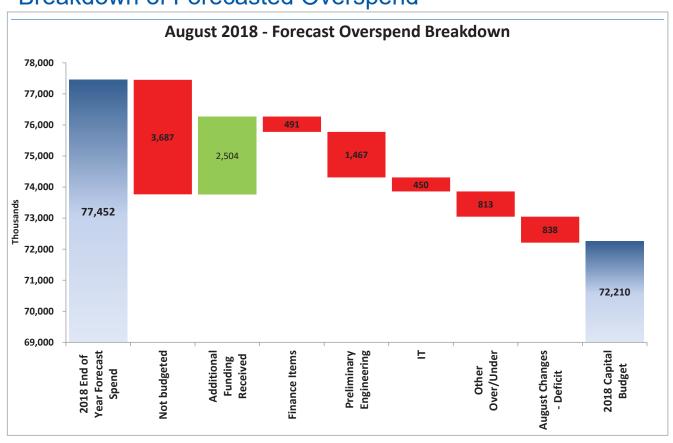
	Budget - Aug YTD	Actual - Aug YTD	Variance
Electric	\$9.5m	\$9.8m	(\$0.3m)
Gas	\$20.2m	\$33.1m	(\$12.9m)
Keene	\$0.4m	\$0.9m	(\$0.5m)
Totals:	\$30.1m	\$43.8m	(\$13.7m)

- Year-to-date August showing \$13.7m overspend
- Projected year end \$5.2m overspend
- Capital budget planning for 2019
 - Updates to capital spend for 2019 in the budget planning model \$17.5m reduction (gas)
 - Update on deferral of gas projects to 2019 (Columbia Gas incident)



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Breakdown of Forecasted Overspend





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September 2018 Capital Spending
Monthly Update

October 31, 2018



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September 2018 Capital Spend Update - Agenda

- 1. Safety Moment
- 2. September 2018 Capital Spending Results
 - New Hampshire Overview
 - Entity Overview
- 3. High Profile Project Presentations
 - Golden Rock
 - Rte. 12 Widening
 - GSE New Business (Residential & Commercial)
 - Extend 14L4
 - Salem Depot Getaways
 - EN Meter Purchases
 - Bare Conductor
 - CIBS
 - City/State Construction
 - EN Growth
- 4. Additional Capital Spending Discussion Items
 - August YTD summary
 - End of year forecast
 - Documentation Plan (closeout & overexpenditure forms
- 5. Questions?

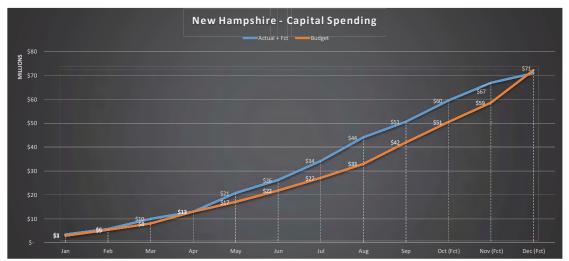


Docket No. DE 19-064 Attachment Staff 9-3.8 Page 95 of 156

Capital Spending YTD + Forecast

Capital Spending YTD Oct (Fct) Jun Aug Nov (Fct) Actual + Fct \$ 3,362,297 \$ 5,709,383 \$ 9,966,801 \$ 12,904,818 \$ 20,661,891 \$ 26,166,565 \$ 34,242,987 \$ 44,064,980 \$ 50,590,633 \$ 59,547,014 \$ 66,880,799 \$ 71,029,274 Budget \$ 2,861,355 \$ 5,264,111 \$ 7,990,493 \$ 12,914,573 \$ 17,054,930 \$ 21,880,070 \$ 27,113,771 \$ 33,026,658 \$ 42,013,860 \$ 50,549,652 \$ 58,567,677 \$ 72,170,911 Feb Mar May Oct (Fct) Nov (Fct) Actual EN \$ 3,141,615 \$ 1,121,582 \$ 2,276,867 \$ 2,589,936 \$ 6,508,821 \$ 4,343,343 \$ 6,405,222 \$ 6,759,423 \$ 4,555,654 \$ 5,904,911 \$ 3,898,267 \$ 1,974,737 \$ 49,480,378 Actual GSE \$ 1,186,803 \$ 1,963,819 304,751 \$ 1,193,060 \$ 1,088,028 \$ 1,617,407 \$ 2,489,255 \$ 1,925,441 \$ 2,937,879 \$ 3,388,995 38,701 43,329 55,192 73,302 53,794 573,315 113,592 \$ 1,117,142 Actual Keene 2,497 16,732 46,522 3.362.297 2.347.087 2,938,016 7,757,074 5.504.674 8,076,422 9.821.993 71,029,274 May Budget EN \$ 2,388,380 \$ 2,105,605 \$ 3,633,463 \$ 2,407,511 \$ 3,297,113 \$ 3,207,174 \$ 3,093,397 \$ 5,339,378 \$ 5,859,215 Budget GSE 607,174 | \$ 1,248,197 | \$ 1,658,125 | \$ 1,400,371 | \$ 1,869,640 | \$ 2,396,151 | \$ 3,506,284 | \$ 3,204,190 | \$ 1,993,896 Budget Keene 47,359 \$ 15,746 \$ 42,420 \$ 74,721 \$ 127,655 \$ 156,887 423,340 \$ 141,539 \$ 182,457 \$ 164,913 \$ 402,833 \$ 1,798,641 \$ 2,861,355 \$ 2,402,756 \$ 2,726,382 \$ 4,924,080 \$ 4,140,357 \$ 4,825,139 \$ 5,233,701 \$ 5,912,888 \$ 8,987,201 \$ 8,535,793 \$ 8,018,024 \$13,603,234 \$72,170,911

Forecasted Variance: 1,141,637





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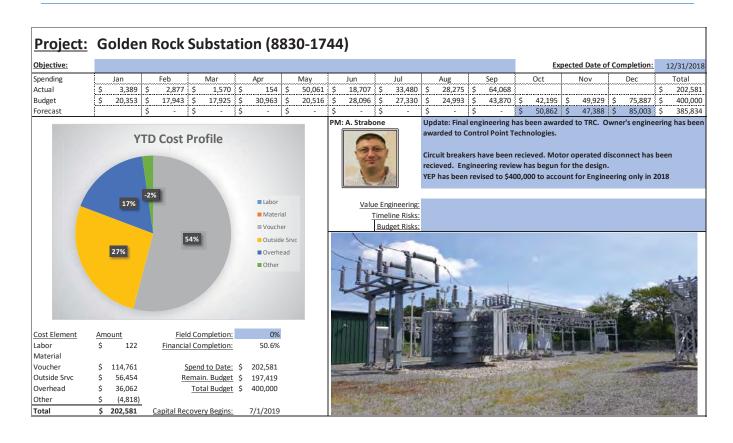
September 2018 Capital Spend Reporting

High Profile Projects



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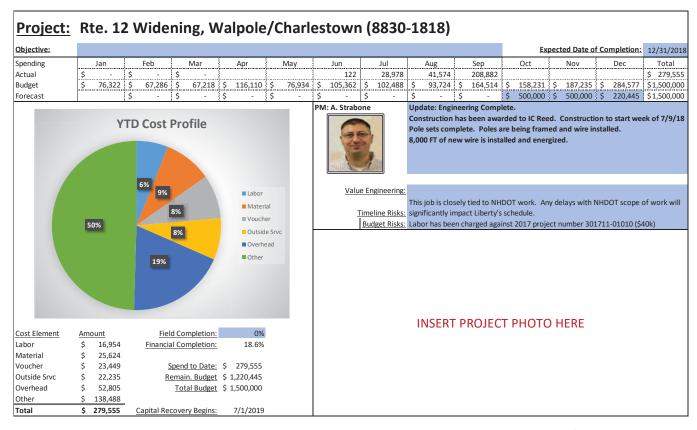
Golden Rock Substation





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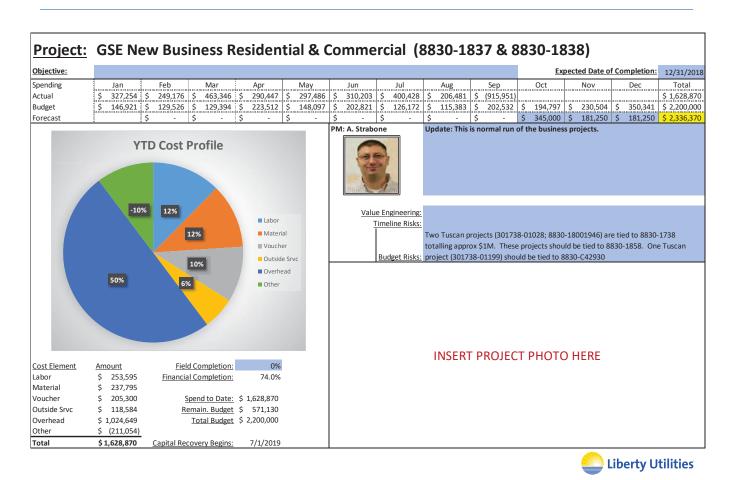
Rte. 12 Widening, Walpole/Charlestown





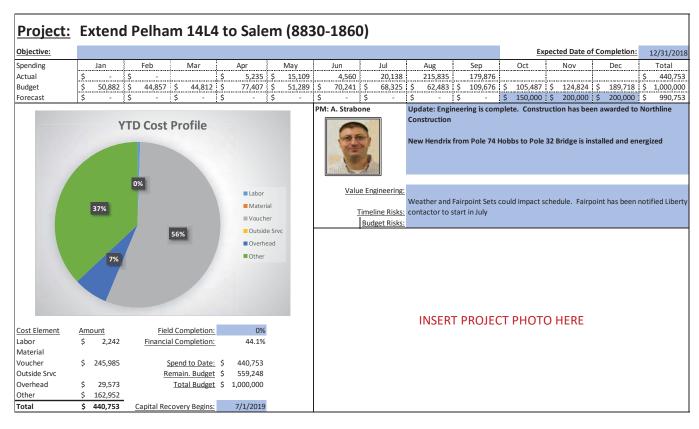
Docket No. DE 19-064 Attachment Staff 9-3.8 Page 99 of 156

GSE New Business - Residential & Commercial



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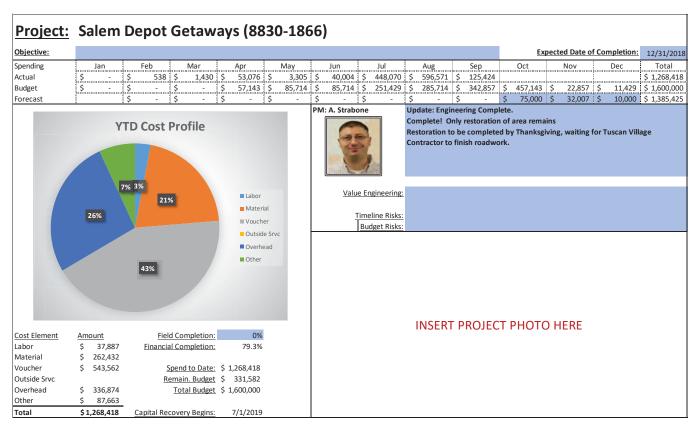
Extend Pelham 14L4 to Salem





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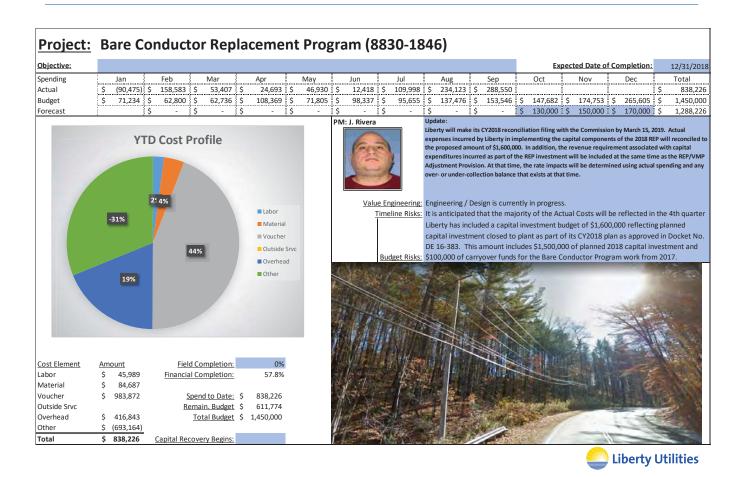
Salem Depot Getaways





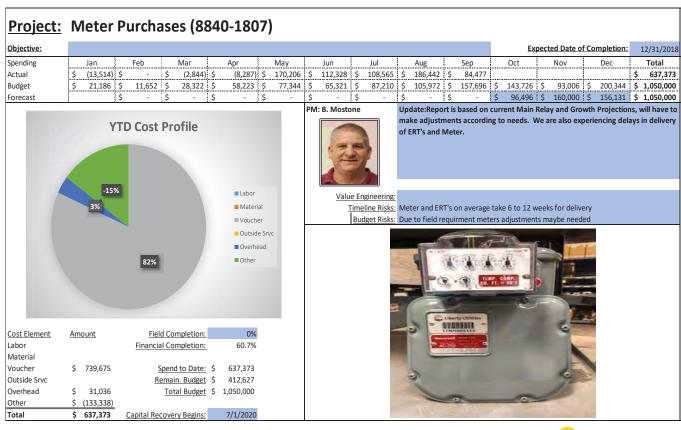
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Bare Conductor Replacement Program



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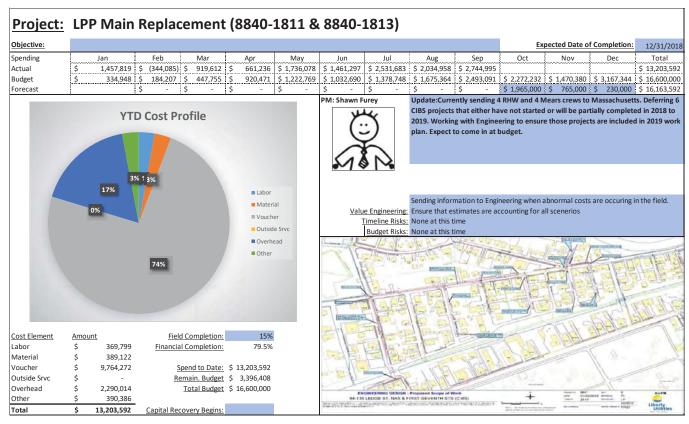
Meter Purchases





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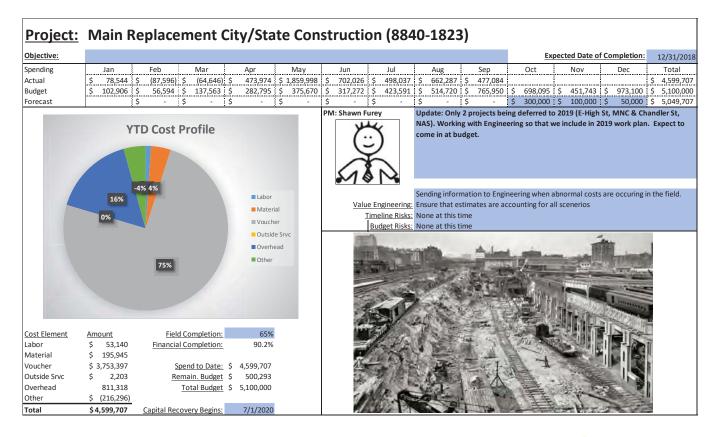
LPP Main Replacement





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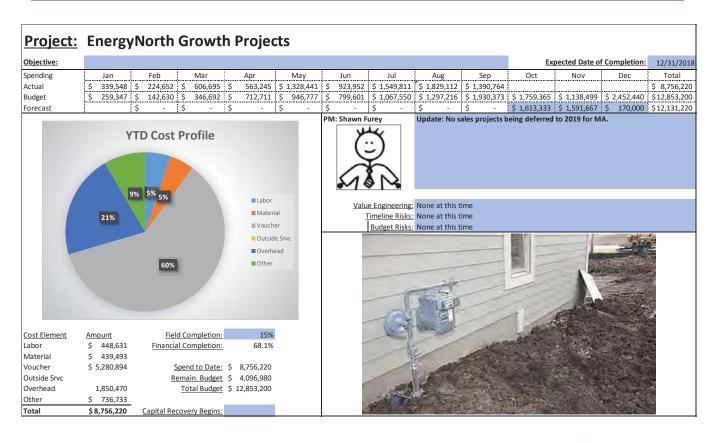
Main Replacement City/State Construction





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EnergyNorth Growth Projects





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Capital Spend Discussion Items

September Year-to-date Summary

	Budget - Sept. YTD	Actual - Sept. YTD	Variance				
Gas	\$27.6m	\$37.7m	(\$10.1m)				
Electric	\$13.4m	\$12m	\$1.4m				
Keene	\$1m	\$0.9m	\$0.1m				
Totals:	\$42m	\$50.6m	(\$8.6m)				

- Year-to-date September \$8.6m overspend
 - August YTD was @ \$13.7m overspend
 - September actual @ \$4.1m less than prior month forecast amount
- Projected year end \$1.1m under budget
 - Favorable pickup in adjusted ROY forecast \$4.1m
 - Exclude preliminary engineering charge for Granite Bridge of \$2.3m
- Capital budget planning for 2019
 - Updates to capital spend for 2019 in the budget planning model; identified \$9.5m of the \$17.5m reduction (gas) mandated by Corporate.
- Year-end Housekeeping Over expenditure forms/approvals

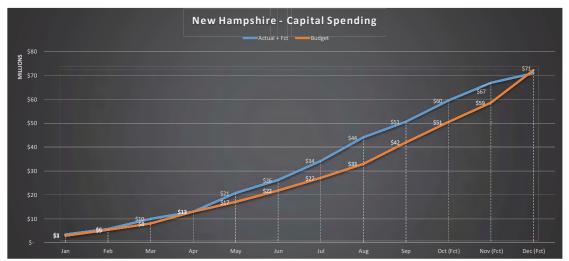


Docket No. DE 19-064 Attachment Staff 9-3.8 Page 108 of 156

Capital Spending YTD + Forecast

Capital Spending YTD Oct (Fct) Jun Aug Nov (Fct) Actual + Fct \$ 3,362,297 \$ 5,709,383 \$ 9,966,801 \$ 12,904,818 \$ 20,661,891 \$ 26,166,565 \$ 34,242,987 \$ 44,064,980 \$ 50,590,633 \$ 59,547,014 \$ 66,880,799 \$ 71,029,274 Budget \$ 2,861,355 \$ 5,264,111 \$ 7,990,493 \$ 12,914,573 \$ 17,054,930 \$ 21,880,070 \$ 27,113,771 \$ 33,026,658 \$ 42,013,860 \$ 50,549,652 \$ 58,567,677 \$ 72,170,911 Feb Mar May Oct (Fct) Nov (Fct) Actual EN \$ 3,141,615 \$ 1,121,582 \$ 2,276,867 \$ 2,589,936 \$ 6,508,821 \$ 4,343,343 \$ 6,405,222 \$ 6,759,423 \$ 4,555,654 \$ 5,904,911 \$ 3,898,267 \$ 1,974,737 \$ 49,480,378 Actual GSE \$ 1,186,803 \$ 1,963,819 304,751 \$ 1,193,060 \$ 1,088,028 \$ 1,617,407 \$ 2,489,255 \$ 1,925,441 \$ 2,937,879 \$ 3,388,995 38,701 43,329 55,192 73,302 53,794 573,315 113,592 \$ 1,117,142 Actual Keene 2,497 16,732 46,522 3.362.297 2.347.087 2,938,016 7,757,074 5.504.674 8,076,422 9.821.993 71,029,274 May Budget EN \$ 2,388,380 \$ 2,105,605 \$ 3,633,463 \$ 2,407,511 \$ 3,297,113 \$ 3,207,174 \$ 3,093,397 \$ 5,339,378 \$ 5,859,215 Budget GSE 607,174 | \$ 1,248,197 | \$ 1,658,125 | \$ 1,400,371 | \$ 1,869,640 | \$ 2,396,151 | \$ 3,506,284 | \$ 3,204,190 | \$ 1,993,896 Budget Keene 47,359 \$ 15,746 \$ 42,420 \$ 74,721 \$ 127,655 \$ 156,887 423,340 \$ 141,539 \$ 182,457 \$ 164,913 \$ 402,833 \$ 1,798,641 \$ 2,861,355 \$ 2,402,756 \$ 2,726,382 \$ 4,924,080 \$ 4,140,357 \$ 4,825,139 \$ 5,233,701 \$ 5,912,888 \$ 8,987,201 \$ 8,535,793 \$ 8,018,024 \$13,603,234 \$72,170,911

Forecasted Variance: 1,141,637





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October 2018 Capital Spending

Monthly Update

November 30, 2018



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October 2018 Capital Spend Update - Agenda

1. Safety Moment

2. October 2018 Capital Spending Results

- New Hampshire Overview
- Entity Overview

3. High Profile Project Presentations

- Golden Rock
- Rte. 12 Widening
- GSE New Business (Residential & Commercial)
- Extend 14L4
- Salem Depot Getaways
- EN Meter Purchases
- Bare Conductor
- CIBS
- City/State Construction
- EN Growth

4. Additional Capital Spending Discussion Items

- October YTD summary & rest of year forecast vs. approved budget
- Year end housekeeping
- 2019 capital expenditure forms



Docket No. DE 19-064 Attachment Staff 9-3.8 Page 111 of 156

Capital Spending YTD + Forecast

	Capital Spending YTD																									
		Jan	Feb Mar		Apr May			May	Jun		Jul			Aug		Sep		Oct		Nov (Fct)		Dec (Fct)				
Actual + Fct	\$	3,362,297	\$	5,709,383	\$	9,966,801	\$	12,904,818	\$	20,661,891	\$	26,166,565	\$	34,242,987	\$	44,064,980	\$	50,590,633	\$	57,759,948	\$	64,381,789	\$	71,601,400		
Budget	\$	2,893,175	\$	5,312,867	\$	8,071,036	\$	13,049,217	\$	17,226,721	\$	22,080,820	\$	27,342,306	\$	32,912,034	\$	41,660,503	\$	49,933,500	\$	58,011,692	\$	71,685,830		
	Jan Feb			Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov (Fct)		Dec (Fct)	Annı	ual		
Actual EN	\$	3,141,615	\$	1,121,582	\$	2,276,867	\$	2,589,936	\$	6,508,821	\$	4,343,343	\$	6,405,222	\$	6,759,423	\$	4,555,654	\$	5,170,478	\$	4,246,460	\$	3,552,113	\$ 50,67	1,514
Actual GSE	\$	218,185	\$	1,186,803	\$	1,963,819	\$	304,751	\$	1,193,060	\$	1,088,028	\$	1,617,407	\$	2,489,255	\$	1,925,441	\$	1,966,833	\$	2,286,247	\$	3,627,918	\$ 19,86	7,749
Actual Keene	\$	2,497	\$	38,701	\$	16,732	\$	43,329	\$	55,192	\$	73,302	\$	53,794	\$	573,315	\$	44,558	\$	32,004	\$	89,134	\$	39,579	\$ 1,06	2,137
	3,362,297 2,347,087		2,347,087	4,257,418		2,938,016			7,757,074		5,504,674		8,076,422		9,821,993		6,525,652		7,169,316		6,621,841		7,219,611	71,601	1,400	
	January Fe		February	ebruary Ma		April		May		June			July		August		September		October		November		ecember	Annı	ual	
Budget EN	\$	461,976	\$	254,066	\$	617,563	\$	1,269,554	\$	1,686,497	\$	1,424,332	\$	1,901,631	\$	2,310,735	\$	3,438,581	\$	3,133,962	\$	2,028,012	\$	4,368,541	\$ 22,89	5,450
Budget GSE	\$	2,417,631	\$	2,131,393	\$	2,129,224	\$	3,677,964	\$	2,436,997	\$	3,337,495	\$	3,246,454	\$	2,968,864	\$	5,211,245	\$	5,012,210	\$	5,930,977	\$	9,014,420	\$ 47,51	4,875
Budget Keene	\$	13,568	\$	34,232	\$	11,382	\$	30,662	\$	54,010	\$	92,272	\$	113,401	\$	290,128	\$	98,644	\$	126,824	\$	119,203	\$	291,177	\$ 1,27	75,505
	\$:	2,893,175	\$	2,419,692	\$	2,758,169	\$	4,978,181	\$	4,177,504	\$	4,854,099	\$	5,261,486	\$	5,569,727	\$	8,748,470	\$	8,272,996	\$	8,078,192	\$:	13,674,138	\$ 71,68	5,830



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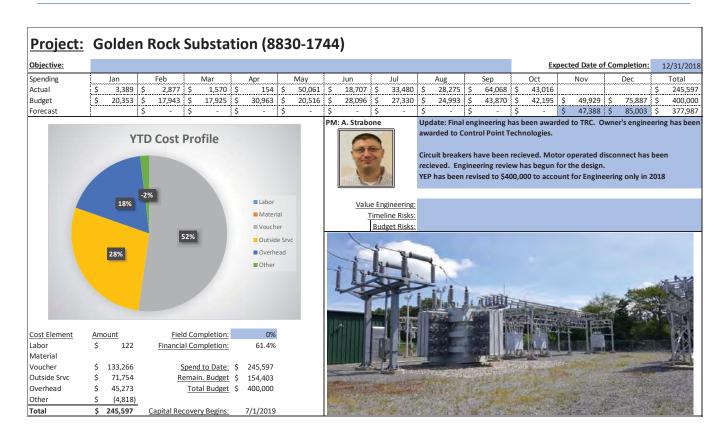
October 2018 Capital Spend Reporting

High Profile Projects



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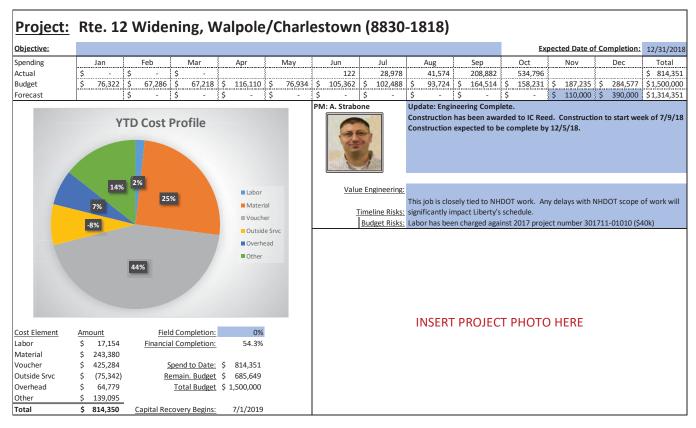
Golden Rock Substation





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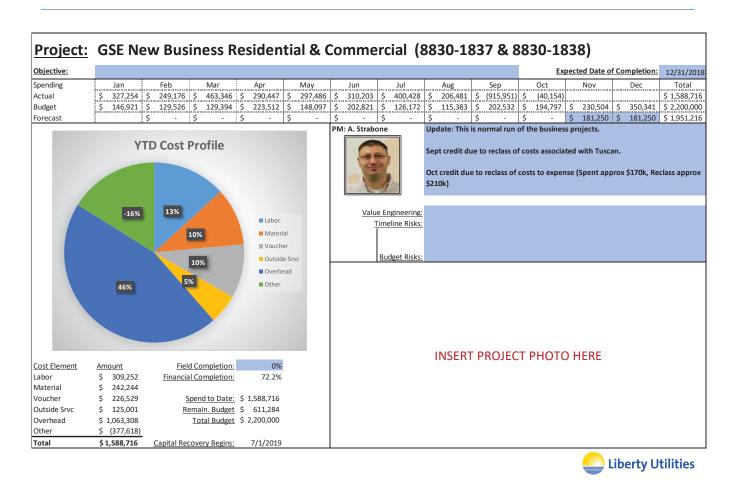
Rte. 12 Widening, Walpole/Charlestown





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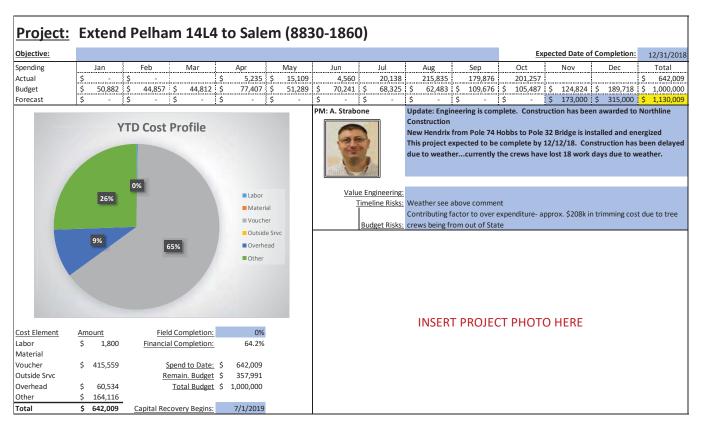
GSE New Business - Residential & Commercial



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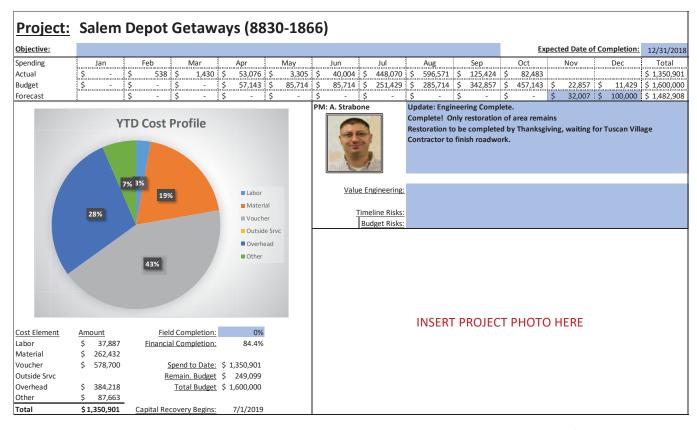
Extend Pelham 14L4 to Salem





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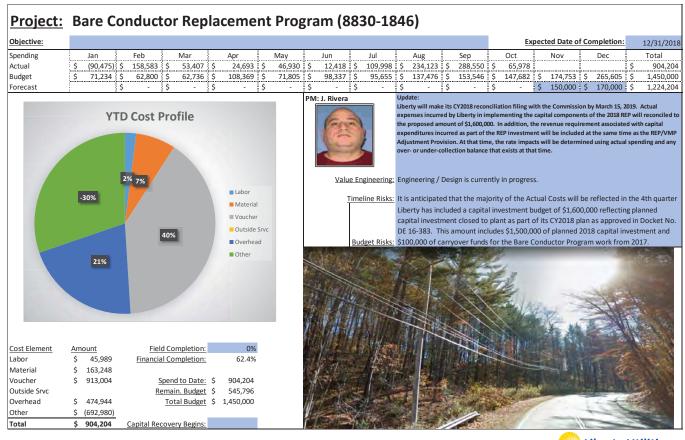
Salem Depot Getaways





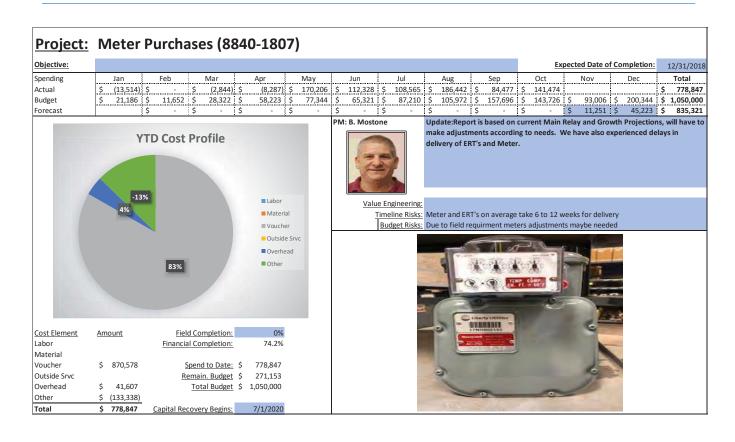
Docket No. DE 19-064 Attachment Staff 9-3.8 Page 118 of 156

Bare Conductor Replacement Program



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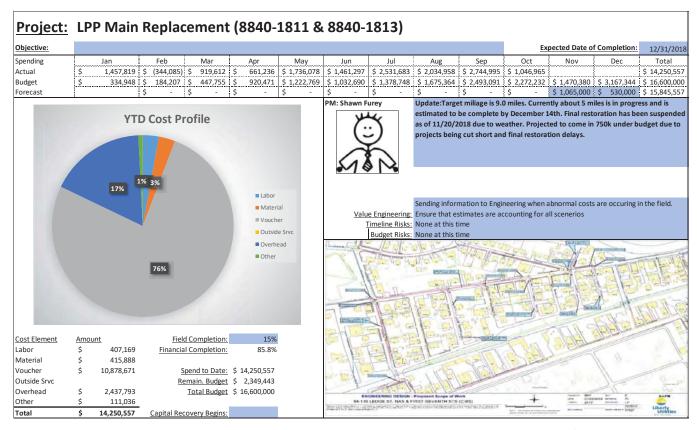
Meter Purchases





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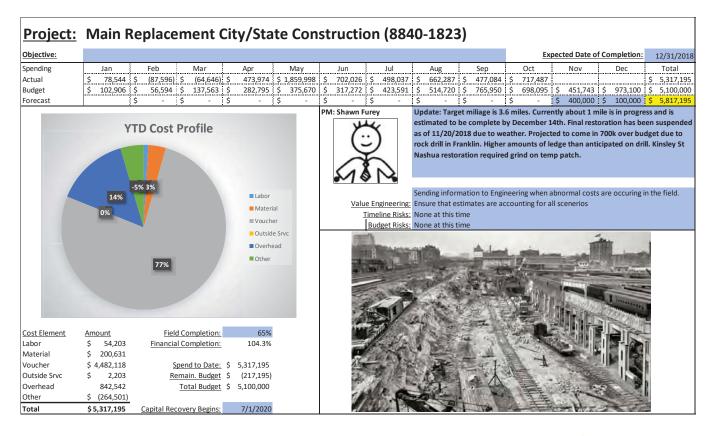
LPP Main Replacement





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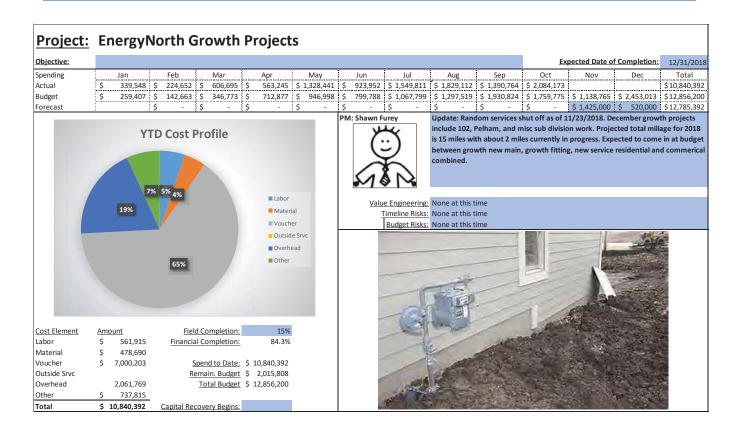
Main Replacement City/State Construction





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EnergyNorth Growth Projects





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Capital Spend Discussion Items

- October Budget Year-to-date Summary
 - October YTD Spend vs. Approved YTD Budget

	Budget - Oct. YTD	Actual - Oct. YTD	Variance
Gas	\$35.2m	\$43.8m	(\$8.6m)
Electric	\$15.4m	\$13.5m	\$1.9m
Totals:	\$50.7m	\$57.3m	(\$6.6m)

October YTD Spend vs. Approved Full Year Budget

	Budget - Full Year	Actual - Oct. YTD	Variance
Gas	\$46m	\$43.8m	\$2.2m
Electric	\$21.8m	\$13.5m	\$8.3m
Totals:	\$67.9m	\$57.3m	\$10.5m

- Year-to-date October \$6.6m overspend vs approved YTD budget
- Year-to-date October \$10.5m under total approved annual budget
- Forecast spend for November & December \$13.8m
- · Forms & Year-end Housekeeping
 - Over-expenditure forms 2018 projects
 - Capital Expenditure Applications/Business Case Forms 2019 Projects



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Capital Spending YTD + Forecast

-																							
												Capital Spe	nc	ling YTD									
		Jan		Feb		Mar		Apr		May		Jun		Jul	Aug		Sep	Oct		Nov (Fct)	Dec (Fct)		
Actual + Fct	\$	3,362,297	\$	5,709,383	\$	9,966,801	\$	12,904,818	\$	20,661,891	\$	26,166,565	\$	34,242,987	\$ 44,064,980	\$	50,590,633	\$ 57,759,948	\$	64,381,789	\$ 71,601,400		
Budget	\$	2,893,175	\$	5,312,867	\$	8,071,036	\$	13,049,217	\$	17,226,721	\$	22,080,820	\$	27,342,306	\$ 32,912,034	\$	41,660,503	\$ 49,933,500	\$	58,011,692	\$ 71,685,830		
		Jan		Feb		Mar		Apr		May		Jun		Jul	Aug		Sep	Oct		Nov (Fct)	Dec (Fct)		Annual
Actual EN	\$	3,141,615	\$	1,121,582	\$	2,276,867	\$	2,589,936	\$	6,508,821	\$	4,343,343	\$	6,405,222	\$ 6,759,423	\$	4,555,654	\$ 5,170,478	\$	4,246,460	\$ 3,552,113	\$ 5	0,671,51
Actual GSE	\$	218,185	\$	1,186,803	\$	1,963,819	\$	304,751	\$	1,193,060	\$	1,088,028	\$	1,617,407	\$ 2,489,255	\$	1,925,441	\$ 1,966,833	\$	2,286,247	\$ 3,627,918	\$ 1	9,867,74
Actual Keene	\$	2,497	\$	38,701	\$	16,732	\$	43,329	\$	55,192	\$	73,302	\$	53,794	\$ 573,315	\$	44,558	\$ 32,004	\$	89,134	\$ 39,579	\$	1,062,13
		3,362,297		2,347,087		4,257,418		2,938,016		7,757,074		5,504,674		8,076,422	9,821,993		6,525,652	7,169,316		6,621,841	7,219,611	71	,601,40
		January		February		March		April		May		June		July	August	S	eptember	October	١	lovember	December	_	Annual
Budget EN	\$	461,976	\$	254,066	\$	617,563	\$	1,269,554	\$	1,686,497	\$	1,424,332	\$	1,901,631	\$ 2,310,735	\$	3,438,581	\$ 3,133,962	\$	2,028,012	\$ 4,368,541	\$ 2	2,895,45
Budget GSE	\$	2,417,631	\$	2,131,393	\$	2,129,224	\$	3,677,964	\$	2,436,997	\$	3,337,495	\$	3,246,454	\$ 2,968,864	\$	5,211,245	\$ 5,012,210	\$	5,930,977	\$ 9,014,420	\$ 4	7,514,87
Budget Keene	\$	13,568	\$	34,232	\$	11,382	\$	30,662	\$	54,010	\$	92,272	\$	113,401	\$ 290,128	\$	98,644	\$ 126,824	\$	119,203	\$ 291,177	\$	1,275,505
	\$	2,893,175	\$	2,419,692	\$	2,758,169	\$	4,978,181	\$	4,177,504	\$	4,854,099	\$	5,261,486	\$ 5,569,727	\$	8,748,470	\$ 8,272,996	\$	8,078,192	\$ 13,674,138	\$7	1,685,830



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November 2018 Capital Spending Monthly Update

December 20, 2018



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November 2018 Capital Spend Update - Agenda

1. Safety Moment

2. November 2018 Capital Spending Results

- New Hampshire Overview
- Entity Overview

3. High Profile Project Presentations

- Golden Rock
- Rte. 12 Widening
- GSE New Business (Residential & Commercial)
- Extend 14L4
- Salem Depot Getaways
- EN Meter Purchases
- Bare Conductor
- CIBS
- City/State Construction
- EN Growth

4. Additional Capital Spending Discussion Items

- November YTD summary & rest of year forecast vs. approved budget
- Year end housekeeping
- 2019 capital expenditure forms



Docket No. DE 19-064 Attachment Staff 9-3.8 Page 127 of 156

Capital Spending YTD + Forecast

							Capita	Spe	nding YTD					
	Jan	Feb	Mar	Apr	IV	lay	Jun		Jul	Aug	Sep	Oct	Nov	Dec (Fct)
Actual + Fct	\$ 3,362,297	\$ 5,709,383	\$ 9,966,801	\$ 12,904,818	\$ 20,6	61,891	\$ 26,166,	565	\$ 34,242,987	\$ 44,064,980	\$ 50,590,633	\$ 57,759,948	\$ 64,775,794	\$ 72,899,128
Budget	\$ 2,038,888	\$ 3,536,021	\$ 5,777,233	\$ 10,089,959	\$ 14,7	773,933	\$ 19,333,	717	\$ 24,887,660	\$ 31,378,873	\$ 41,021,475	\$ 49,963,390	\$ 56,952,655	\$ 70,418,053

May

Actual EN Actual GSE Actual Keene

\$	218,185	\$ 1,186,803	\$ 1,963,819	\$ 304,751	\$ 1,193,060	\$ 1,088,028	\$ 1,617,407	\$ 2,489,255	\$	1,925,441	\$ 1,966,833	\$	1,791,121	\$	3,351,976	\$ 19,096,680
\$	2,497	\$ 38,701	\$ 16,732	\$ 43,329	\$ 55,192	\$ 73,302	\$ 53,794	\$ 573,315	\$	44,558	\$ 32,004	\$	111,484	\$	40,927	\$ 1,085,834
3	,362,297	2,347,087	4,257,418	2,938,016	7,757,074	5,504,674	8,076,422	9,821,993		6,525,652	7,169,316		7,015,845		8,123,335	72,899,128
J	anuary	February	March	April	May	June	July	August	S	eptember	October	Ν	lovember	- [December	Annual
\$	978,256	\$ February 537,998	\$ March 1,307,720	\$ April 2,688,344	\$ May 3,571,240	\$ June 3,016,093	\$ July 4,026,796	\$ August 4,893,096	\$ \$	7,281,364	\$ October 6,636,320	\$	4,294,416	\$	9,250,600	Annual \$ 48,482,244
\$,	\$ 	\$	\$ 	\$ 	\$	\$ 	\$ 	\$		\$	\$		\$		

\$ 3,141,615 \$ 1,121,582 \$ 2,276,867 \$ 2,589,936 \$ 6,508,821 \$ 4,343,343 \$ 6,405,222 \$ 6,759,423 \$ 4,555,654 \$ 5,170,478 \$ 5,113,241 \$ 4,730,432 \$ 52,716,615

Sep

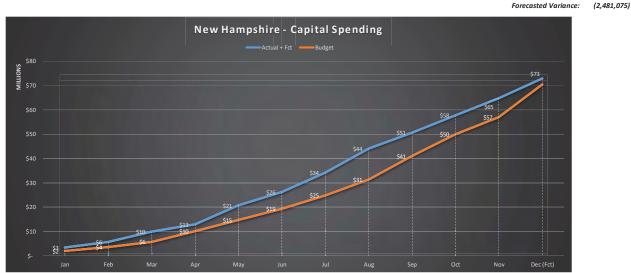
Oct

Nov

Dec (Fct)

Budget EN Budget GSE

14,669 \$ 37,010 \$ 12,305 \$ 33,150 \$ 58,392 \$ 99,759 \$ 122,603 \$ 313,669 \$ 106,648 \$ 137,115 \$ 128,875 \$ 314,804 \$ 1,379,000 \$ 2,038,888 \$ 1,497,133 \$ 2,241,212 \$ 4,312,726 \$ 4,683,973 \$ 4,559,784 \$ 5,553,943 \$ 6,491,213 \$ 9,642,602 \$ 8,941,914 \$ 6,989,266 \$ 13,465,398 \$ 70,418,053





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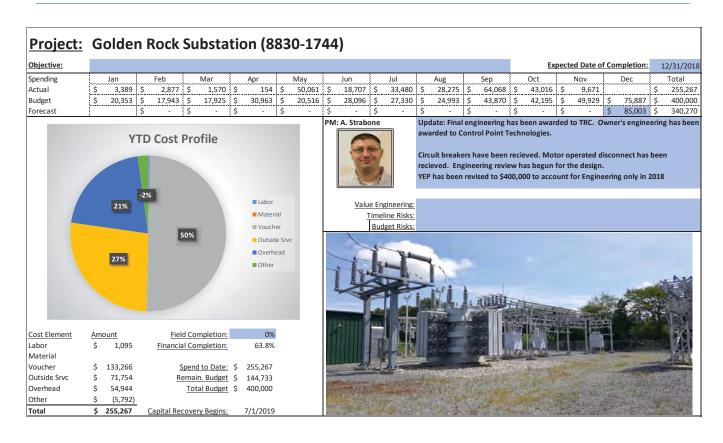
November 2018 Capital Spend Reporting

High Profile Projects



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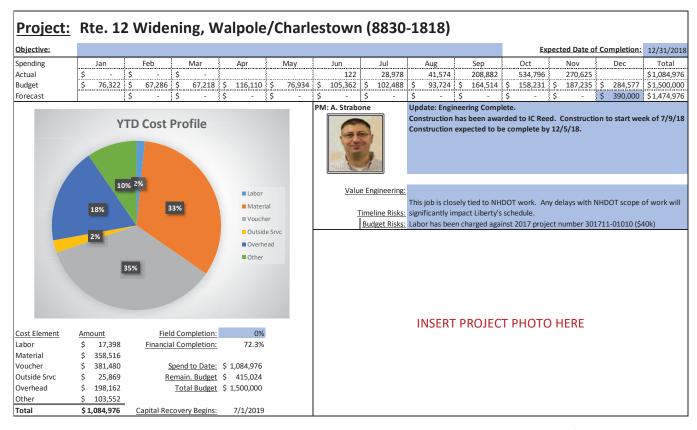
Golden Rock Substation





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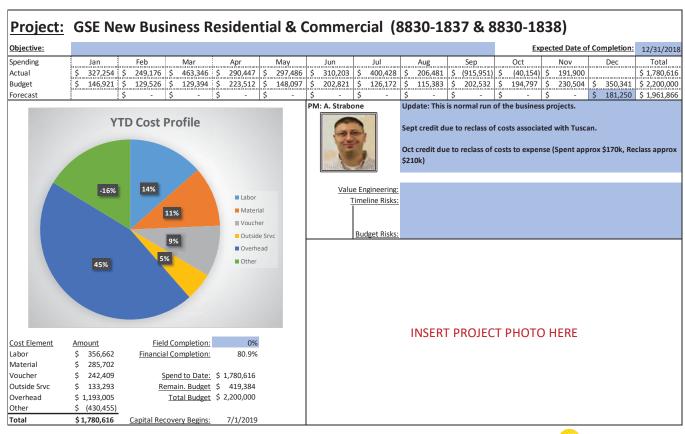
Rte. 12 Widening, Walpole/Charlestown





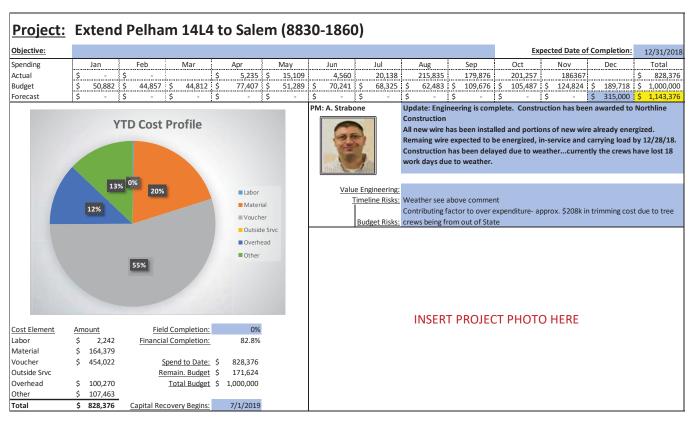
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GSE New Business - Residential & Commercial



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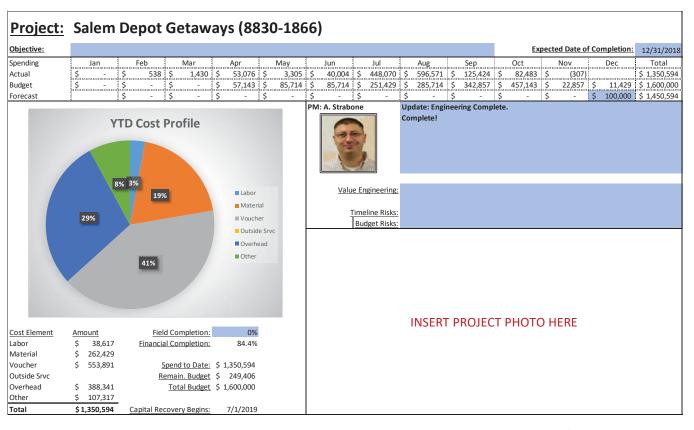
Extend Pelham 14L4 to Salem





Docket No. DE 19-064 Attachment Staff 9-3.8 Page 133 of 156

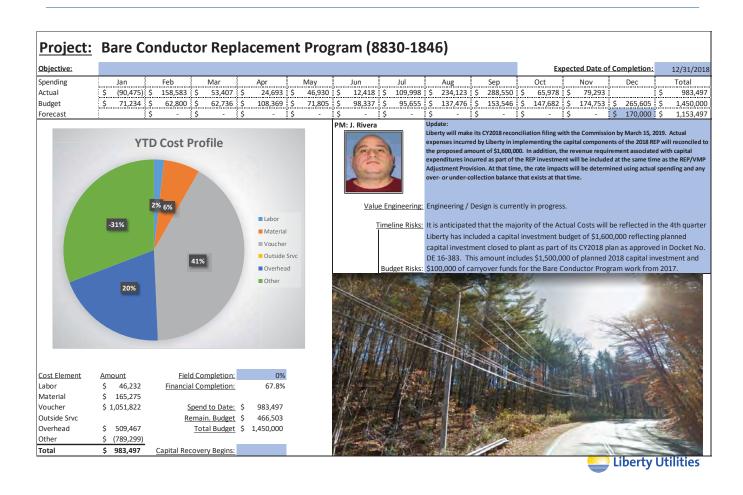
Salem Depot Getaways





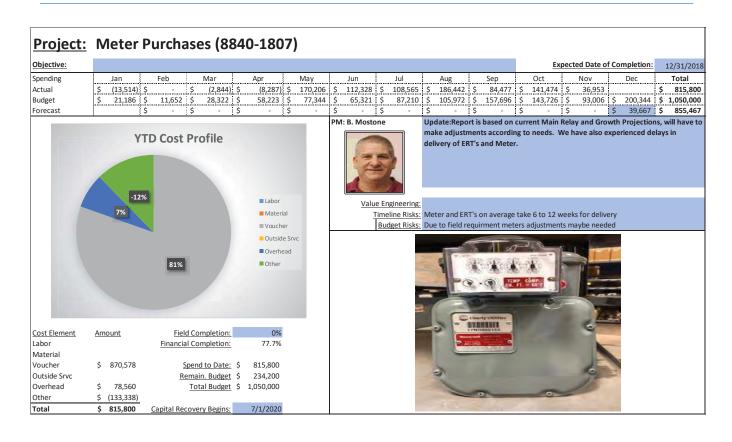
Docket No. DE 19-064 Attachment Staff 9-3.8 Page 134 of 156

Bare Conductor Replacement Program



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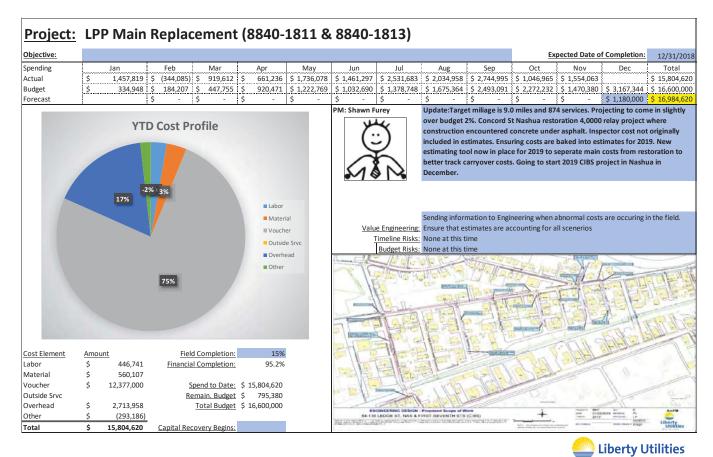
Meter Purchases





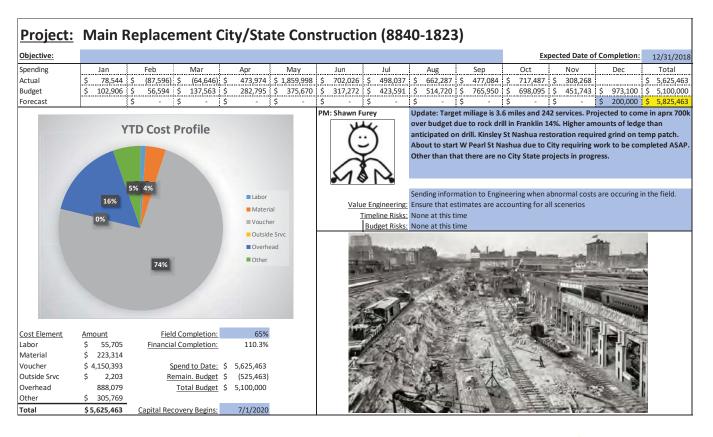
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LPP Main Replacement



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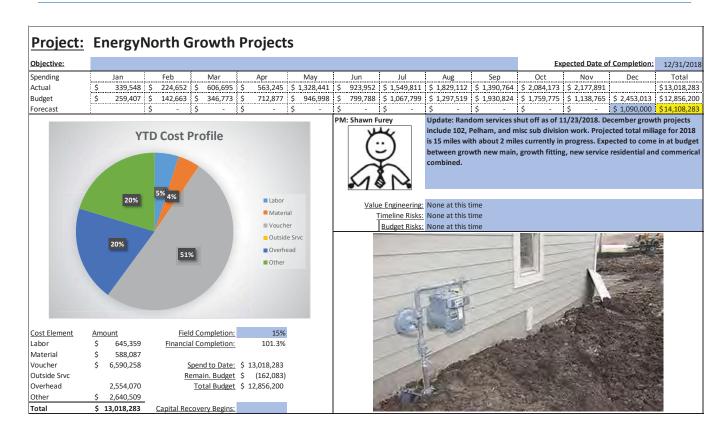
Main Replacement City/State Construction





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EnergyNorth Growth Projects





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Capital Spend Summary - November

Forecast Annual (Year End)

Company	YTD November (Actual)	December (Forecast)	Total Annual (Actual + Forecast)	Budget Annual*	Year End Fct. Under/(Over)
Granite State	15,744,704	3,351,976	19,096,680	20,556,809	1,460,129
Energy North	47,986,183	4,730,432	52,716,615	48,482,244	(4,234,371)
Keene	1,044,907	40,927	1,085,834	1,379,000	293,166
Totals:	64,775,794	8,123,335	72,899,128	70,418,053	(2,481,075)

^{*} Budget Annual represents approved annual budget amount by utility

- Total forecast overspend on NH budget of \$2.5m
 - GSE \$1.5m under budget
 - EN \$4.2m over budget
 - Keene \$293k under budget
- Adjustments to Electric CWIP reclassified to expenses
 - Street Lighting: \$187k
 - Damage & Failure: \$739k
 - Storm: \$502k
- Growth & CIBS Forecast spend over full year budget
 - Growth: \$1.3m
 - CIBS: \$518k
 - Growth and CIBS mechanism capex allow for recovery outside rate case process
- Forms & Year-end Housekeeping



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Capital Spending YTD + Forecast

							Capita	Spe	nding YTD							
	Jan	Feb	Mar	Apr	N	Лay	Jun		Jul		Aug	Sep		Oct	Nov	Dec (Fct)
Actual + Fct	\$ 3,362,297	\$ 5,709,383	\$ 9,966,801	\$ 12,904,818	\$ 20,	661,891	\$ 26,166,	65	\$ 34,242,987	\$ 44	4,064,980	\$ 50,590,	633	\$ 57,759,948	\$ 64,775,794	\$ 72,899,128
Budget	\$ 2,038,888	\$ 3,536,021	\$ 5,777,233	\$ 10,089,959	\$ 14,	773,933	\$ 19,333,	17	\$ 24,887,660	\$ 31	1,378,873	\$ 41,021,	475	\$ 49,963,390	\$ 56,952,655	\$ 70,418,053

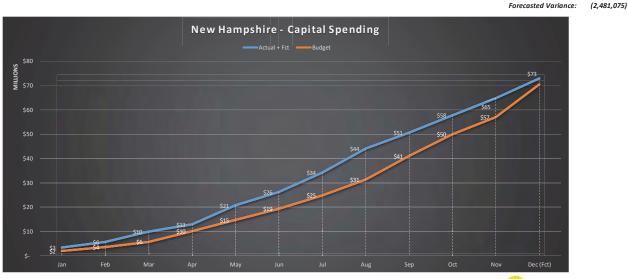
May

Actual EN Actual GSE Actual Keene

Ş	218,185	Ş	1,186,803	Ş	1,963,819	\$	304,751	Ş	1,193,060	\$	1,088,028	\$	1,617,407	\$	2,489,255	\$	1,925,441	\$	1,966,833	Ş	1,791,121	\$	3,351,976	\$ 19,096,680
\$	2,497	\$	38,701	\$	16,732	\$	43,329	\$	55,192	\$	73,302	\$	53,794	\$	573,315	\$	44,558	\$	32,004	\$	111,484	\$	40,927	\$ 1,085,834
3	3,362,297		2,347,087		4,257,418		2,938,016		7,757,074		5,504,674		8,076,422		9,821,993		6,525,652		7,169,316		7,015,845		8,123,335	72,899,128
	January		February		March		April		May		June		July		August	S	September		October	N	lovember	-	December	Annual
\$	978,256	\$	537,998	\$	1,307,720	\$	2,688,344	\$	3,571,240	\$	3,016,093	\$	4,026,796	\$	4,893,096	\$	7,281,364	\$	6,636,320	\$	4,294,416	\$	9,250,600	\$ 48,482,244
				-	001 106	4	1 501 000	4	1 05 1 0 11	4	4 440 000	-	4 404 544	^	4 20 4 440	4	2 254 500	4	2 4 60 400	^	2 5 6 5 6 7 4	4	2 000 002	\$ 20.556.809
\$	1,045,963	Ş	922,125	Ş	921,186	\$	1,591,232	5	1,054,341	>	1,443,932	>	1,404,544	>	1,284,448	>	2,254,590	>	2,168,480	>	2,565,974	>	3,899,993	\$ 20,556,809

\$ 3,141,615 \$ 1,121,582 \$ 2,276,867 \$ 2,589,936 \$ 6,508,821 \$ 4,343,343 \$ 6,405,222 \$ 6,759,423 \$ 4,555,654 \$ 5,170,478 \$ 5,113,241 \$ 4,730,432 \$ 52,716,615

Budget EN Budget GSE Budget Keene \$ 2,038,888 \$ 1,497,133 \$ 2,241,212 \$ 4,312,726 \$ 4,683,973 \$ 4,559,784 \$ 5,553,943 \$ 6,491,213 \$ 9,642,602 \$ 8,941,914 \$ 6,989,266 \$ 13,465,398 \$ 70,418,053





Dec (Fct)

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December 2018 Capital Spending Monthly Update

January 29, 2019



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December 2018 Capital Spend Update - Agenda

1. Safety Moment

2. December 2018 Capital Spending Results

- New Hampshire Overview
- Entity Overview

3. High Profile Project Presentations

- Golden Rock
- Rte. 12 Widening
- GSE New Business (Residential & Commercial)
- Extend 14L4
- Salem Depot Getaways
- EN Meter Purchases
- Bare Conductor
- CIBS
- City/State Construction
- EN Growth

4. Additional Capital Spending Discussion Items

- Full Year 2018 Summary
- Year-end Housekeeping Closeout & Over-expenditure Forms
- 2019 Capital Expenditure Forms
- 2019 Reporting & Presentation Format



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Capital Spending – Full Year 2018

218,185 \$ 1,186,803 \$ 1,963,819 \$

Actual + Fct Budget

					Capital Spe	nding YTD					
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
\$ 3,362,297	\$ 5,709,383	\$ 9,966,801	\$ 12,904,818	\$ 20,661,891	\$ 26,166,565	\$ 34,242,987	\$ 44,064,980	\$ 50,590,633	\$ 57,759,948	\$ 64,775,794	\$ 71,543,423
\$ 2,038,888	\$ 3,536,021	\$ 5,777,233	\$ 10,089,959	\$ 14,773,933	\$ 19,333,717	\$ 24,887,660	\$ 31,378,873	\$ 41,021,475	\$ 49,963,390	\$ 56,952,655	\$ 70,418,053

Actual EN Actual GSE Actual Keene

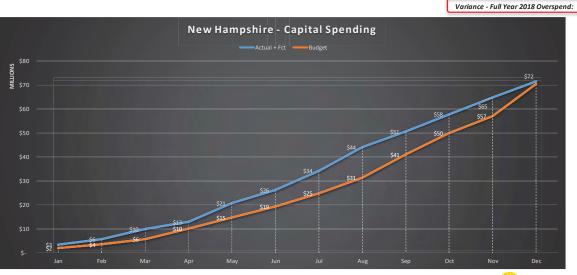
e	\$ 2,	497	\$	38,701	\$	16,732	\$	43,329	\$	55,192	\$	73,302	\$	53,794	\$	573,315	\$	44,558	\$	32,004	\$	111,484	\$	522,726	\$	1,567,633
	3,362,	297	2	,347,087		4,257,418		2,938,016		7,757,074		5,504,674		8,076,422		9,821,993		6,525,652		7,169,316		7,015,845		6,767,630	7	1,543,423
	Januar	у	F	ebruary		March		April		May		June		July		August	9	September		October	ľ	lovember		ecember		Annual
	\$ 978,	256	\$	537,998	\$	1,307,720	\$	2,688,344	\$	3,571,240	\$	3,016,093	\$	4,026,796	\$	4,893,096	\$	7,281,364	\$	6,636,320	\$	4,294,416	\$	9,250,600	\$	48,482,244
	\$ 1,045,	963	\$	922,125	\$	921,186	\$	1,591,232	\$	1,054,341	\$	1,443,932	\$	1,404,544	\$	1,284,448	\$	2,254,590	\$	2,168,480	\$	2,565,974	\$	3,899,993	\$	20,556,809
ne	\$ 14,	669	\$	37,010	\$	12,305	\$	33,150	\$	58,392	\$	99,759	\$	122,603	\$	313,669	\$	106,648	\$	137,115	\$	128,875	\$	314,804	\$	1,379,000
	\$ 2.028	000	ć	1 //07 122	ć	2 2/11 212	ć	1 212 726	ć	4 692 072	ć	A 550 79A	ć	E EES 043	ć	6 /01 212	ć	9 642 602	ć	9 0/1 01/	ć	6 090 266	Ġ,	2 465 208	Ġ.	70 /19 052

3,141,615 \$ 1,121,582 \$ 2,276,867 \$ 2,589,936 \$ 6,508,821 \$ 4,343,343 \$ 6,405,222 \$ 6,759,423 \$ 4,555,654 \$ 5,170,478 \$ 5,113,241 \$ 3,134,643 \$ 51,120,826

304,751 \$ 1,193,060 \$ 1,088,028 \$ 1,617,407 \$ 2,489,255 \$ 1,925,441 \$ 1,966,833 \$ 1,791,121 \$ 3,110,260 \$ 18,854,964

Budget EN **Budget GSE** Budget Keene

(1,125,370)





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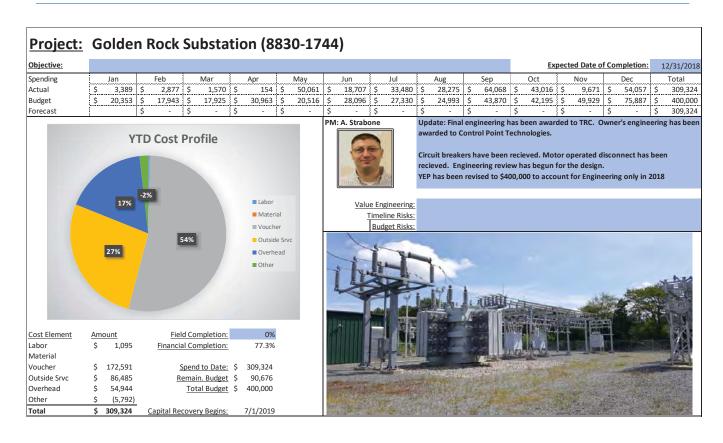
December 2018 Capital Spend Reporting

High Profile Projects



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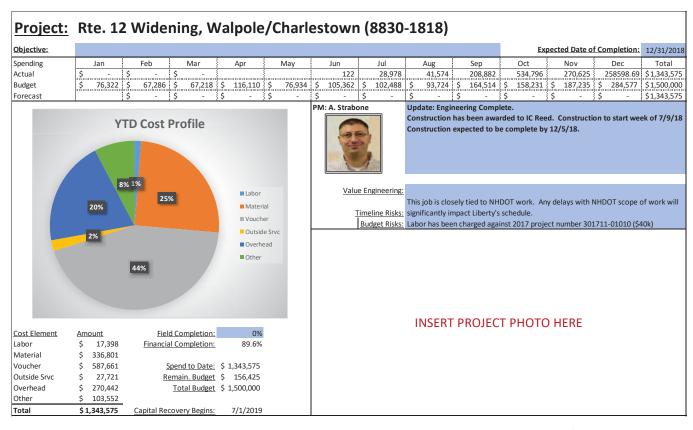
Golden Rock Substation





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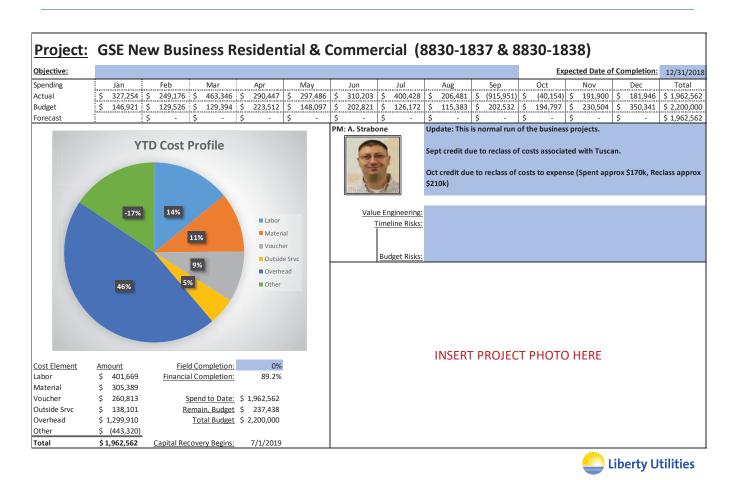
Rte. 12 Widening, Walpole/Charlestown





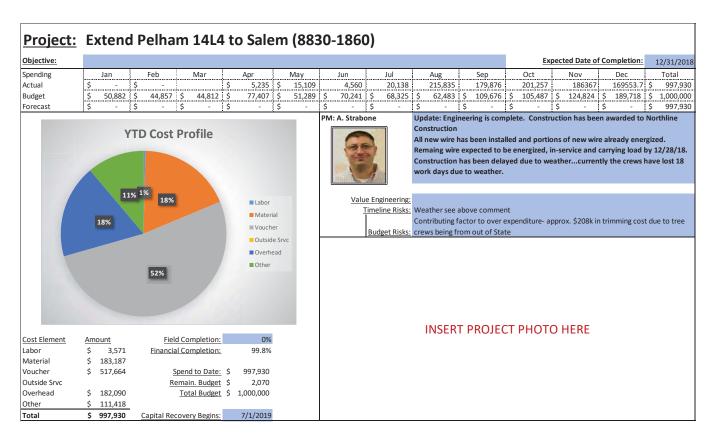
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GSE New Business - Residential & Commercial



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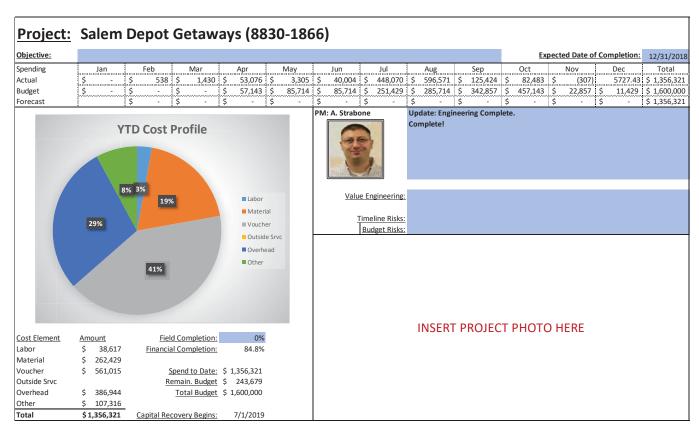
Extend Pelham 14L4 to Salem





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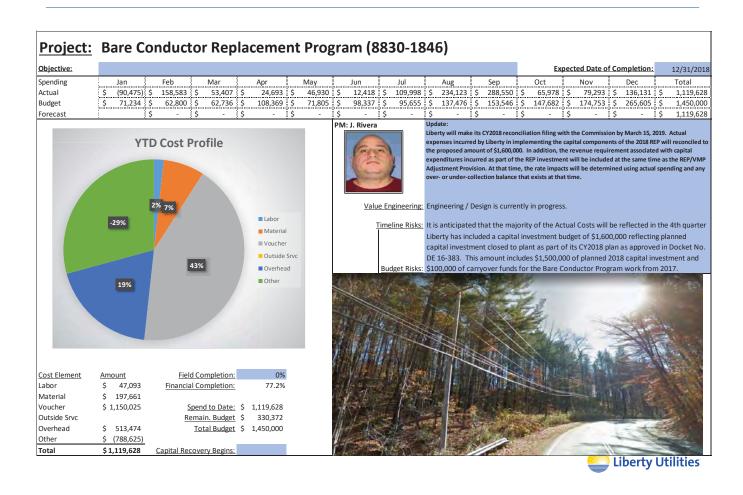
Salem Depot Getaways





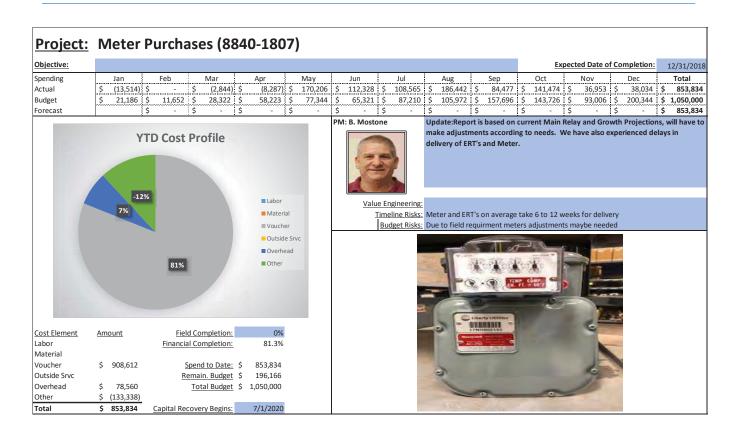
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Bare Conductor Replacement Program



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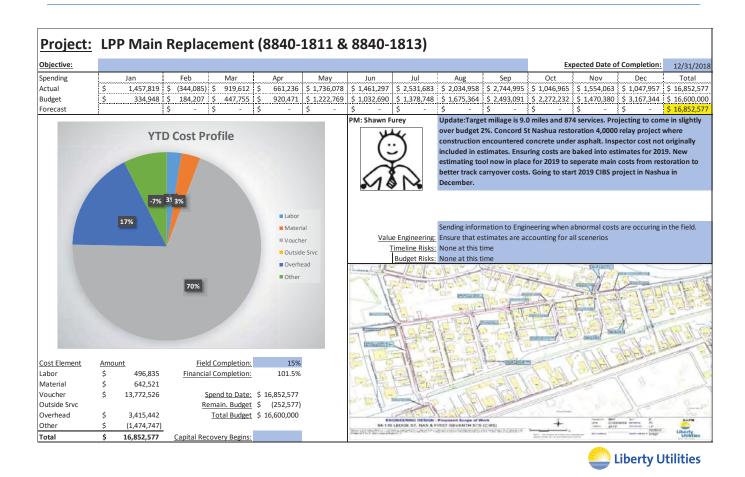
Meter Purchases





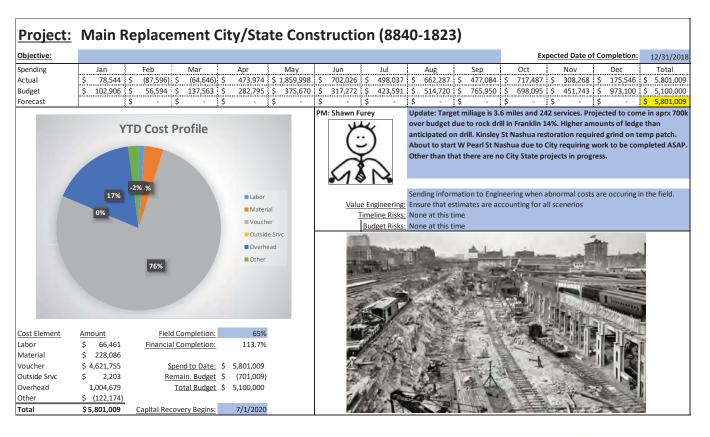
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LPP Main Replacement



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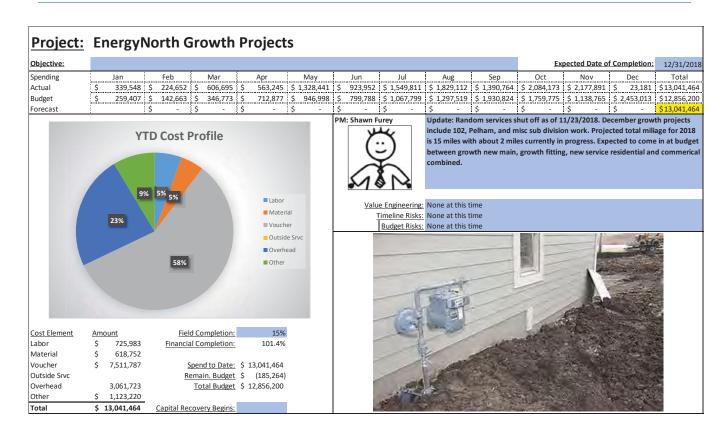
Main Replacement City/State Construction





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EnergyNorth Growth Projects





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Capital Spend Summary – December (Full Year)

2018 Full Year Capital Spend Summary

Company	YTD December (Actual)	Budget Annual*	Year End Fct. Under/(Over)
Granite State	18,854,964	21,762,544	2,907,580
Energy North	51,120,826	47,276,509	(3,844,317)
Keene	1,567,633	1,379,000	(188,633)
Totals:	71,543,423	70,418,053	(1,125,370)

^{*} Budget Annual represents approved annual budget amount by utility

- Total overspend on NH budget of \$1.1m
- Adjustments to Electric 2018 CWIP reclassified to expenses

Street Lighting: \$187kDamage & Failure: \$739k

Storm: \$502k

- Overspend on Growth & CIBS
 - Growth: \$185.3k overspendCIBS: \$701k overspend
 - Growth and CIBS mechanism capex allow for recovery outside rate case process
- Forms & Year-end Housekeeping
 - Close-out forms
 - Over-expenditure forms



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Looking Ahead – 2019

2019 Capital Plan - Summary

	Original Capital		Updated Capital		Final Updated	Approved	Remaining
Company	Budget Plan	Adjustment	Budget	Shelf Items	Capital Budget	Budget	(Over)/Under
Granite State	23,257,000	(3,222,264)	20,034,736	-	20,034,736	20,034,736	-
Energy North	68,802,694	(16,217,494)	52,585,200	2,264,000	50,321,200	50,002,694	(318,506)
Keene	3,405,000	200,000	3,605,000	1,150,000	2,455,000	1,905,000	(550,000)
Total	95,464,694	(19,239,758)	76,224,936	3,414,000	72,810,936	71,942,430	(868,506)

2019 Capital Spend Forms

- All projects require Capital Project Expenditure Form
- Budget >\$100k require Business Case Form
 - Exception: Category of Safety or Mandated Business Case not required
 - If requiring Business Case then financial info not required on CPE form
- Asking that all forms be completed and returned by Thursday February 7th
- Finance will coordinate management and senior leadership/executive approvals

Reporting & Presentation for 2019

- Thoughts & discussion on reporting and presentation materials for 2019
- Monthly meetings to review and discuss YTD results and rest of year forecast
- Quarterly Capital Planning
 - · Identify major changes in scope and rest of year spend forecast
 - Track capital projects put on the shelf to make budget cuts
 - Discuss need for new projects (incremental)
- Processing Capital Expenditure Activity



													,	ctual Actual	Actual	Actual Actu	ual Actual	Actual	Actual	Actual Ac	ual Actual	Actual	Update									
					Original 2018 Char	nge from Orig.	Revised 2018 Change fr	from Orig. Revised	2018				Remaining														Original Budget	Final Budget	Actual + ROY Forecast		Change Order Form	Change Order Form - \$
Project	Project Description	Project Manager	Project Sponsor	Budget Class Priority	Budget Budg	get (Jul) B	Budget (July) Budget (A	Aug) Budget (Aug) December (YTD)	Direct Cost		fariance .	Budget	lan Feb	Mar	Apr	May	Jun Ju	I Aug	Sep	Oct	Nov	Dec Variano		Ipdated Date Updated		Amount	Amount	Spend	Difference	% Difference Overexpenditure	Change
8830-1801 8830-1802	GSE Storm Program Proj NN D-Line Work Found by Insp.	Strabone Strabone	Rodrigues Rodrigues	Replenishment Mandate Replenishment Mandate	d 50,000	500,000	600,000 50,000		50,000 (68,3		(36,528)	50,000	668,306 50,000		178 488,415	(506,801)	5,707	174	(745) (71	4) :	(30,191)	. 0	(24,329)	668,306 50,000	n/a n	n/a Charges to storm project; includes Winter 2017 - 2018 n/a	100,000 50,000	600,000 50,000		50,000	168.3% No 100.0% No	
8830-1803 8830-1804	01659 Granite St. Meter Purchases 01690 Granite St. Transformer Durchases	Mark Parker Strabone	Foley	Replenishment Mandate Replenishment Mandate			225,000 410,000		305,000 384,9 525,000 652.2		33,688	(79,968) (77.767)	(79,968) (27,267)		,345 925 110 36 390		126,407 88 429		67,854 1,35 20.503 123.72		42,817	33,278	10,044 45.122	(79,968) (77,767)	n/a ·	n/a Capitalization of meter installation pushing over budget by projected \$80k. n/a 9/24 forecast definit of \$165k.	225,000	305,000 575,000			-71.1% Yes -59.2% Yes	
8830-1805 8830-1806	01737 GSE-Dist-Subs Blanket GSE-Dist-Meter Blanket	Strabone Rodrigues	Rodrigues.	Replenishment Mandate Replenishment Mandate			50,000		50,000 7,0		3,576	42,901	42,901 5,000						. 89	0 4,777	1,432			42,901 5,000	n/a	n/a	50,000	50,000	7,099		85.8% No 100.0% No	
8830-1807	GSE-Dist-Geni Equip Blanket	Strabone	Rodrigues	Replenishment Mandate	d 50,000		50,000		50,000 51,4	30 48,189	3,241	(1,430)	(1,430)	9,323	- 14,690	8,482	(362)	265	6,465	1,431	2,020	6,501	2,615	(1,430)	n/a	n/a Charges related to water heater being parked here; will be reversed out once transaction is completed	50,000	50,000	51,410		-2.9% No	
8830-1809 8830-1810	GSE-Dist-Land/Land Rights Blanket GSE-Dist-St Light Blanket	Strabone Strabone	Rodrigues Rodrigues	Replenishment Mandate Replenishment Mandate	d 185,000	(45,000)	2,000 140,000		2,000 - 140,000 (71,7		(63,589)	2,000 211,728	2,000 211,728		384 8,989	2,535	509	(168,562)	636 12,89		6,170	6,453	8,398	2,000 211,728	n/a n	n/a Large June credit result of adjustments to expense prior charges to CWIP	2,000 185,000		(71,728)		100.0% No 138.8% No	
8830-1811 8830-1812	GSE-Dist-Public Require Blanket Dist-Damage&Failure Blanket	Strabone Strabone	Rodrigues Rodrigues	Replenishment Mandate Replenishment Mandate		(140,000)	380,000		725,000 441,9 800.000 364.0		175,136	283,061	283,061 435,931		,821 10,732 L337 (3,747		45,251 96,713		93,401 62,77 72,453 (587,22		2,929	8,800	(35,193)	283,061 435,931	n/a n	n/a n/a Large August credit result of adjustments to expense prior charges to CWIP	520,000	725,000			15.0% No 54.5% No	
8830-1813 8830-1814	GSE-Dist-Asset Replace Blanket GSE-Dist-3rd Party Attach Blanket	Strabone Strabone	Rodrigues	Replenishment Mandate Replenishment Mandate	d 400,000	100,000 125,000	500,000 250,000		500,000 268,6 250,000 184.4	147,244	121,438 117,858	231,318 65,517	231,318 65,517	54,166 10	(233 20,053 (753 41,284	1,593	94,582	48,773	20,110 1,88 56,546 (17,55	7 (13,397)	2,425	12,335	15,922 (11,536)	231,318 65,517	n/a	n/a	400,000 125,000	500,000 250,000	258,682	131,318	32.8% No	
8830-1815	Misc. Capital Equipment	MacDonald	Rodrigues	Replenishment Discretion	nary 100,000	125,000	100,000		130,000 131,0		21,212	(1,010)	(1,010)	10,909 11	. 41,284	(25,593)	02,702	2,825	30,340 (17,33	14,659	87,950	18,875	9,526		1/4	n/a Project name changed August/September	100,000			(31,010)	-97.00 fes	
8830-1816 8830-1817	NH ARP Batts/Chargers Repl Prog NH ARP Relay & related	Strabone Strabone	Rodrigues Rodrigues	Replenishment Discretion Replenishment Discretion	nary 20,000	(20,000)																		0	n/a n	n/a n/a	20,000			20,000	MDIV/D1 n/a 200.0% n/a	
8830-1818 8830-1819	Rt 12 Road Widening, Walpole/Charlestown IC-NN Dist Transformer upgrades	Strabone Strabone	Rodrigues Rodrigues	Replenishment Mandate Replenishment Discretion		25,000	1,500,000		1,500,000 1,343,5 50,000 54,5		270,442 37,960	156,425 (4.592)	156,425 (4.592)	16.886	1 1	1	110	122 5.610	28,978 41,57	4 208,882	534,796 8.560	270,625	258,599 1.472	156,425 (4,592)	n/a n	n/a Work will not start until July 2017. Labor charges have been charged to work order 301711-01010	1,500,000 25,000	1,500,000		156,425 (29,592)	10.4% No -118.4% Yes	
8830-1820 8830-1821	Security Conversion GSE GSE-Dist-Reliability Blanket	Donn Strabone	Foley Rodrigues	Improvement Mandate Improvement Mandate	d 50,000		50,000 550,000		50,000 54,8 275,000 158,3	37 42,076	12,761 66,510	(4,837) 116.633	(4,837) 116,633			7.290		15.666	- 35,06 8,662 7.31	3 12,270 8 13,564		284	7,219 6,566	(4,837) 116,633	n/a n/a	n/a	50,000 550,000	50,000 275,000	54,837	(4,837)	-9.7% No 71.2% No	
8830-1822	GSE-Dist-Load Relief Blanket	Strabone	Rodrigues	Improvement Mandate	d 100,000		100,000	(50,000)	50,000			50,000	50,000				30,490				7,754	3,804		50,000	n/a n	n/a One or two projects that may be completed	100,000	50,000		100,000	100.0% No	
8830-1823 8830-1824	GSE Distributed Generation Blanket LED Street Light Conversion	Strabone Strabone	Rodrigues Rodrigues	Improvement Mandate Improvement Mandate	d 300,000		100,000 300,000		100,000 2 300,000 131,7		3,748 71,219	99,799 168,207	99,799 168,207	8,791 3 216 3	,417 (7,138 ,806 3,969	(4,296)	13,897 5,140		(12,738) (16,80 32,879 25,61	3 25,639	91 13,095	(10,970) 5,822	12,113 (495)	99,799 168,207	n/a n	n/a Requires some contribution from customers n/a Update from Bob 10/1; expect \$10k spend per month October thru December 2018.	100,000 300,000	300,000	131,793	168,207	56.1% No	
8830-1825 8830-1826	IT Systems & Equipment Blanket Transportation Fleet & Equipment	Romano	Hora Enlay	Improvement Discretion Improvement Discretion			50,000 610,000		50,000 54,9 700,000 788.1		1,905 157,964	(4,985) (88,135)	(4,985) (88,135)		,696 10,043 259 30,252		7,128 7,177		5,869 10 5,949 42,54		1,920	117 829	255.673	(4,985) (88,135)	n/a n	n/a Rest of year forecast based on original forecast by month; NH has no control over IT budget spend	50,000 610,000	50,000 700,000	54,985 788,135	(4,985)	-10.0% Yes -29.2% Yes	
8830-1827 8830-1828	IT Systems Allocations - Corporate Misc Capital Improvents GSE Facilities Salem	Watson	Lowson Foley	Improvement Discretion Improvement Discretion	nary 270,500		270,500 45,000		270,500 361,6 60,000 60.8	43 348,391	13,252 22,115	(92,143)	(91,143) (851)	3,673 5	,903 221,982		49,576	(1,365) 28.230	2,946 36		7,910	40,239 3,368	(8,265) 8.963	(91,143) (851)	n/a	n/a Rest of year forecast based on original forecast by month; NH has no control over IT budget spend	270,500 45,000		361,643	(91,143)	-33.7% Yes	
		Dom	rowy					15,000				(851)					2,442		5,842 18	3 64	1,558	3,356	8,963		nya n	nya						
8830-1829 8830-1830	Misc Capital Impromnts GSE Facilities Lebanon Misc Capital Impromnts GSE Facilities Londonderry	Dorn Dorn	Foley Foley	Improvement Discretion Improvement Discretion			45,000 25,000	10,000	45,000 27,6 35,000 60,6		2,691 9,883	17,326 (25,650)	17,326 (25,650)			2,036	368 1,294		12,759 4 1,912 59	5 16 9 15,928	(45) 3,232	15,835	6,715	17,326 (25,650)	n/a n	n/a Additional \$180,000 to be transferred from Nashua Paving Porject (8840-1824) that was cancelled to fund Lebanon Proposed Walk in Center Relocation/a Includes design for office reconfiguration	1 45,000 25,000	45,000 35,000				
8830-1831 8830-1832	Misc Capital Improvents GSE Facilities Charlestown Benlane 612 Circuit No Main St Hanney	Dorn Strahova	Foley Rodrigues	Improvement Discretion		200.000	25,000		25,000 27,3 1,100,000 1,295,5		10,984 327,286	(2,384)	(2,384)					1.460	910 15,27 3,780 574,81		35 69 582	50.914	20.863	(2,384)	n/a n	n/a High burdens hitting on AC install job n/a Phil to you detail for anythere (10/21)	25,000 900,000	25,000 1,100,000			-9.5% Yes -44.0% Yes	
8830-1833 8830-1834	Install Poles Millville St Salem IF-MN ISS Structures and Fourtement	n/a Strahone	n/a Rodrieues	Replenishment Mandate Replenishment Mandate	d -	-	10,000		10,000	-		10.000	10,000									-	-	10,000	n/a	n/a	10.000			10,000	WDIN/OI n/a	
8830-1835	Dist-Transf/Capac Install Blanket	Strabone	Rodrigues	Replenishment Mandate	d 5,000	- 1	5,000		5,000 -			10,000 5,000	5,000	- 1	1 1	- 1		- 1	1 1		- 1	- 1		5,000	n/a n	n/a n/a	5,000	5,000		5,000	100.0% No	
8830-1836 8830-1837	GSE-Dist-Telecomm Blanket GSE-Dist-New Bus-Resid Blanket	Romano Strabone	Hora Rodrigues	Replenishment Mandate Growth Growth	d 2,500 1,750,000	(750,000)	2,500 1,000,000	(400,000)	2,500 - 600,000 597.5	74 281.397	316.176	2,500 2,425	2,500 2,425	112.533 50		25.552	(6.027)	41.408	46.445 95.93	9 73.236	40.442	72.429	41.223	2,500 2,425	n/a n	n/a n/a	2,500 1,750,000	2,500 600,000		2,500 1,152,426	100.0% No 65.9% No	
8830-1838 8830-1839	GSE-Dist-New Bus-Comm Blanket IE-NN URD Cable Replacement	Strabone Strabone	Rodrigues Rodrigues	Growth Growth	1,400,000 nary 500,000	(495,000)	1,400,000	200,000	1,600,000 1,364,9	88 381,255	983,733	235,012	235,012 5.000	214,720 198	(816 459,314	264,895	303,513	268,795 3	153,983 110,54	3 (989,188)	(80,597)	119,471	140,723	235,012 5,000	n/a n	n/a Mis-charges for the Tuscan service installation project corrected in September	1,400,000	1,600,000		35,012 500,000	2.5% No 100.0% No	
8830-1840 8830-1841	01757 NN ARP Breakers & Reclosers	Strabone	Rodrigues	Replenishment Discretion	nary 175,000	(240,000)	175,000 10,000	(165,000)	10,000 6,0	39 2,573	3,466	3,961	3,961		894 (447	2,742	2,713	22	28 2	8 28	28			3,961	n/a	n/a Not going to be completed this year	175,000 250,000	10,000	6,039		96.5% No 100.0% No	
8830-1842	Feeder Getaway Cable Replacement Amerductor replacement program	Strabone Strabone	Rodrigues Rodrigues	Replenishment Discretion Replenishment Discretion	nary 100,000	(90,000)	10,000		10,000 - 10,000 -			10,000	10,000	- 1	1 1	- 1		- 1	1 1		- 1	- 1		10,000	n/a n	n/a n/a	100,000	10,000 10,000		100,000	100.0% No	
8830-1843 8830-1845	Distribution Feeder Power Factor Correction Golden Rock Distribution Feeders	Strabone Strabone	Rodrigues Rodrigues	Improvement Mandate Improvement Growth	d 50,000 100,000	50,000	100,000		100,000 45,2 60,000 16,9		31,770 364	54,761 43.022	54,761 43.022				834	4,165	18,074 2,43	5 8,464	1.659	3,354 364	7,913 14,956	54,761 43,022	n/a n	n/a n/a	50,000 100,000	100,000	45,239 16,978	4,761 83.022	9.5% No 83.0% No	
8830-1846 8830-1847	Bare Conductor Replacement Program IE - NN Recloser Installations	Rivera	Rodrigues Rodrigues	Improvement Regulator Improvement Regulator	ry 1,450,000		1,450,000	-	1,450,000 1,119,6 50,000 5.5	28 606,154 28 3.155	513,474	330,372	330,372	(90,475) 158	1,583 53,407	24,693	46,930	12,418 1	09,998 234,12	3 288,550	65,978	79,293	136,130	330,372 44,472	n/a r	n/a Variance is due to 2017 bid prices being much higher than anticipated and 2017 charges carrying over into 2018.	1,450,000	1,450,000	1,119,628	330,372	22.8% No 88.9% No	
8830-1848 8830-1849	Replace 6L2 Circuit Manyard 5t Hanover NN ERR/Pockets of Poor Perf	Strabone Strabone	Rodrigues Rodrigues	Improvement Discretion	nary -	(90,000)	10,000		10,000	-		10.000									-			10,000	n/a	n/a	100,000	10,000		100,000	#DIV/OI n/a 200.0% No	
8830-1850	NEN-NH Electric Fence PY10	Strabone	Rodrigues	Improvement Discretion Improvement Discretion	nary 45,000	(90,000)	45,000		45,000 36,4		6,715	8,506	8,506	- 1	1 1	- 1	29,779	6,715	1 1			- 1		8,506	n/a n	n/a Project completed; not expecting any further charges	45,000	45,000	36,494	8,506	18.9% No	
8830-1851	Enhanced Bare Conductor Replacement	Strabone	Rodrigues	Improvement Discretion	nary 400,000		400,000	200,000	600,000 546,3	98 367,158	179,240	53,602	53,602	58,071 205	,808 108,918	65,455	86,875	12,026	5,277 1,38	7 97	2,179	90	216	53,602	n/a n	n/a Project completed; Anthony checking on whether closed and no further charges. Paving, Engineering of Salem. Additional \$200,000 to come from Nashua Paving Project (\$840-1824); increased based on burdens assessed with sim.	400,000	600,000	546,398	(146,398)	-36.6% Yes	
8830-1852 8830-1853	Repaye Parking Lot - 9 Lowell Rd Salem Underperforming Feeder Program	Dom Strabone	Foley Rodrigues	Improvement Discretion Improvement Discretion		200,000	150,000 600,000		350,000 176,0 10,000 8	29 176,029		173,971 9.115	173,971 9.115								685		175,345	173,971 9.115	n/a n	n/a job in Tilton	150,000 400,000	350,000 10,000		(26,029	-17.4% Yes 99.8% No	
8830-1854	Install Mt. Support 16L2-16L3 Feeder Tie	Strabone	Rodrigues	Improvement Discretion	nary 100,000	120,000	220,000	(210,000)	10,000 10,7		6,807	(711)	(711)					214	701 1,98		1,983	2,459	1,617	(711) 223.189	n/a r	n/a Job will not get completed this year; only prelim engineering that will be charged	100,000	10,000	10,711	89,289	89.3% No	
8830-1855 8830-1856	Fence Installation – 407 Miracle Mile Lebanon NH Install 13L2-9L3 Feeder Tie	Dom Strabone	Foley Rodrigues	Improvement Discretion Growth Growth	200,000	(200,000)	300,000	-	550,000 326,8 - 18,3	74 12,272	37,033 6,101	223,189 (18,374)	223,189	- 1	1 1	- 1		- 1	310 8,59 10,119 3,90	4 -	15,366 1,820	11,501 2,009	181,455 521	(18,374)	n/a n	n/a Fence and paving combined to this project n/a Chrarges for engineering	300,000 200,000		18.374	181,626	-8.5% Yes 90.8% No	
8830-1858 8830-1859	Install Service to Tuscan Village Salem Reconductor Brookdale Road	Strabone Strabone	Rodrigues Rodrigues	Growth Growth Growth Growth	300,000	300,000	600,000 900,000		1,400,000 1,213,5 1,000,000 993.9		528,692 210.775	186,417	186,417						- 19,69 22,992 121,87		47,024 161.160	35,961 416,237	557 252,357	186,417 6,064	n/a n	n/a Mis-charges to commercial growth blanket project in error corrected September n/a	300,000	1,400,000				
8830-1860 8830-1863	Extend Pelham 1414 to Salem Benlare Lyme Bd P3 Berlayer	Strabone Anthony Starbone	Rodrigues Charles Rodieues	Growth Growth			1,000,000		1,000,000 997,9		182,090	2,070	2,070			5,235	15,109		20,138 215,83		201,257	186,367	169,554	2,070	n/a r	n/a n/a Notate connectate annual time connectate annual time contambus	1,000,000	1,000,000			0.2% Yes -10.1% Yes	
8830-1864	Rockingham Substation	Anthony Starbone	Charles Rodigues	Replacement Discretion	nary 100,000		100,000	100,000	200,000 1,568,8	70 1,547,954	20,916	(1,368,870)	(1,368,870)				5,280		12,992 1,508,96	7 10,038	2,186	4,010	9,270	(1,368,870)	n/a	n/a Land purchase will come out of this in October? Phil to review (10/23)	100,000	200,000	1,568,870	(1,468,870	-1468.9% Yes	
8830-1865 8830-1866	Rockingham Substation - Transmission Lines Salem Depot Getaways	Anthony Starbone Strabone	Charles Rodigues Rodrigues	Replacement Discretion		1,400,000	200,000 1,400,000	200,000	300,000 602,4 1,600,000 1,356,3	21 969,377	79,621 386,944	(302,419) 243,679	(302,419) 243,679		538 1,430	53,076	3,305		- 140,47 148,070 596,57		66,589 82,483	21,296 (307)	243,829 5,727	(302,419) 243,679	n/a i	η(a Will receive charges transferred from preliminary engineering in August η(a	200,000	300,000 1,600,000	1,356,321	(1,356,321	#DIV/DI Yes	
8830-1868 8830-1870	Hendrix Trialer Electric Underground Services (owned)	Kevin Spotthwood Anthony Starbone	Richard Foley Charles Rodigues	Replacement Discretion	nary 48,000 400,000	(400,000)	48,000		48,000 48,0	00 48,000					1 1	- 1		48,000	1 1			- 1			n/a i	n/a Possibly may not be used this year	48,000 400,000	48,000	48,000	400.000	0.0% No 100.0% No	
8830-1871 8830-1872	ARCOS Page Salem Yard	Norm Gallagher		Improvement Discretion Improvement Discretion			41,100 200,000	(200,000)	41,100 51,0	89 30,807	20,283	(9,989)	(9,589)						- 12,30	0 8,918	6,370	16,663	6,838	(9,989)	n/a	n/a n/a Moved to project number 8830-1853(9/26)	41,100 200,000	41,100	51,089	(9,989	-24.3% Yes 200.0% No	
8830-1873	EAP - Cogsdale CIS System Modifications	Spense	Harris	Improvement Mandate		269,541	269,541		269,541 168,4	98 144,067	24,431	101,043	101,043				44	24,377	64,683 1,13	2 23,988	1,034	2,831	50,408	101,043	n/a	n/a ROY based as of 12/19/18 email forecasting \$64.5k under budget.	200,000	269,541			#DIV/DI	
8830-1876 8830-9851-00	Restore Damge Assessment App ELECTRIC OPERATIONS O&M	Strabone Strabone	Rodrigues Rodrigues			220,000	220,000	(160,000)	60,000	54) (54)		60,000 54	60,000					(54)						60,000 54	n/a i	n/a Funds pulled from 8830 SCADA project December 2018; SCADA expected \$60k under budget n/a		60,000	(54		ADIV/OI	
8830-AFUDC 8830-C18620	APUDC Charlestown DSub	Trottier n/a	Sanderson n/s	Replenishment Regulator					· (1	54) (164) 73 63.609	E1.604	164 (145.273)			(139) (3,509 (784 19,031		825 31,552		1,157 2,29 3,715 -	2 5,741	(3,407)	5,061	(164) 3.970	164 (145.273)	n/a n/a	n/a			(164) 145,273) 164 (145,273	MDIV/OI MDIV/OI	
8830-C18630 8830-C18750	Charlestown 32 Dline	Strabone	Rodrigues	Replenishment Regulato		150,000	250,000		250,000 354,7		182,399	(104,739)	(104,739)		(417 168,364	20,766	13,541	6,226	12,398 3,35	3 447	126,831	33,373	1	(104,739)	n/a	n/a Current Variance is due to 2017 burdens and carry-overs for contractor payments and materials charges	100,000	250,000	354,739 (155)	(254,739	-254.7% #DIV/01	
8830-C36424	Facility Securty Study LU Prop Mt. Support New 10L3 Feeder	Strabone	Rodrigues			- 1			- (19,6	63) (19,663)		19,663		(19,663)	1 1	(2,340)	2,340		1 1					19,663	n/a	η/a			(19,663)	19.663	#DIV/DI	
8830-C36425 8830-C36426	Mt. Support 16L5 Feeder SCADA Distribution & Automation Specific	Strabone Strabone	Rodrigues Rodrigues	Improvement Discretion	nary 150,000		150,000	(60,000)	- (2,0 90,000 171,9		(2,042)	2,042 (81,930)	(81,930)	(2,042)									171,930	2,042 (81,930)	n/a n/a	n/a n/a Arrival of switchgear. Will not use entire \$150k budget amount; allocting remaining \$60k to irestore software (new project)	150,000	90,000	(2,042) 171,930	2,042	#DIV/01 -14.6%	
8830<36427 8830<36430	Feeder Direct Buried Cable Replacement Program Pelham Sub-Add 2nd Ximr and Fdr Pos	Strabone Strabone	Rodrigues Rodrigues	Improvement Regulato	ry 100.000		100.000		100,000 (85.1		119.479	185.153	185.153	(138.429) (2		56.176	(52.663)	24.214	21.687 (123.49			:		0 185.153	n/a	n/a n/a Credits for temp materials used previous years; project now complete and no further charges expected.	100,000	100,000			#DIV/01 185.2%	
8830-C36431	Pelham-New 14L4 Fdr	Strabone	Rodrigues	Improvement Regulato	ry 120,000	330,000	450,000	100,000	450,000 462,4	36 203,389	259,047	(12,436)	(12,436)		(214 75,538	46,012	61,996	9,455	- 16,03		839	14,492	70,277	(12,436)	n/a	n/a End of November/early December timeframe	120,000	450,000	462,436	(342,436)	-285.4%	
8830-C36435 8830-C42912	Lebanon Area Low Voltage Mitigation Install 9L2-9L3 Feeder Tie	Strabone Strabone	Rodrigues Rodrigues	Improvement Mandate Growth Growth	d 125,000 200,000	175,000	300,000 200,000		400,000 125,6 20,000 -		47,753	274,325 20,000	274,325 20,000	132		8,635	135	135	1,437 8,52		34,685	22,542	28,899	274,325 20,000	rya r/a	n/a Crews currently working job with OT; increasing budget to cover projected cost n/a Job not expected to happen; prelim engineering hit earlier. No more charges expected; budgeting for possible charges thru year end	125,000 200,000	400,000 20,000		200,000	100.0%	
8830-C42920 8830-C42930		Strabone Strabone	Rodrigues Rodrigues	Growth Growth	900,000	(600,000)	300.000	100.000	- 10,0 400,000 674,2	44 8,671 60 624,569	1,373 49,691	(274.260)	(274.260)	54 144,659 (95	55 55 (093) 11,031	55 1.495	55 220	55 29.341	55 5,63 323 4,62	5 1,219 9 18,307	2,321 7.947	373 7.415	115 547.984	(10,044) (274,260)	n/a n/a	n/a Same job as above; Phil to map in next reporting cycle n/a Forecast for November higher in anticipation of lone lead items	900,000	400,000	10,044			
8830-C42933 8830-C42934	Vilas Bridge 121.1 - Old Drewsville Rd Sectionalizer	Strabone Strabone	Rodrigues Rodrigues						· 1	38 138	24.172	(138) (40.238)		19	20 20 .817 1.883	20 1,230	20 4.049	20	20 -					(138) (40,238)	n/a n/a	n/a n/a Still settine bit with labor			138 40.238	(138)	#DIV/DI	
8830-000291	Sky View URD - Salem, NH	Strabone	Rodrigues	Growth Growth	5,000		5,000	1	5,000 1,2	77 540	737	3,723	3,723	- 11	. 1,883	540	737	-	1 1			- 1	- 1	3,723	n/a	U/a von Bernell an man amon	5,000	5,000	1,277			
8830-Other 8830-PE	Additional Capex Approved by Oakville Preliminary Engineering	Strabone	Rodrigues	Growth Discretion		406,809	406,809		406,809 - engri	MRZTI		406,809 #REF!	405,809		- 45,048		12,061		15,699 (1,612,37		(19,499)		MREF!	405,809 #REF!	n/a n/a	η(a Preliminary engineering charges		405,809	MREF!	AREF!	METI	
8830-UNALLO	OH Unaflocated Overhead (1 Month Lag)	Trottier	Sanderson	Improvement Discretio Totals:	nary . 19.864.100	1,801,350	21.665.450	755,000 2	. (108,3 2,420,450 WREF!	29) 1,594,645 #REF!	(1,702,974) 4,169,057	108,329 #REF!		(286,194) (57 135,103 1,174	(743) (1,147 (452 1,954,609				(31,055) 697,94 (83,927 2,449,10			(225,508) 1,781,450	157,997 #REF!	108,329 #REF!	n/a	n/a			(108,329)) 108,329	#DIV/OI	
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Row Labels	Sum of Labor	Sum of Material	Sum of Voucher	Sum of Outside Srvc	Sum of Overhead	Sum of COR Sum of CIAC	Sum of AFUDC	Sum of CY	Sum of PY	Sum of Grand Total
8830-1801	(76,192)	44,862	(449)		(36,528)			-		(68,306)
8830-1803	159,479	(1,350)			33,688					384,968
8830-1807			48,189		3,241					51,430
8830-1810	(23,268)	14,468	(1,336)		(63,589)	(350)		2,348		(71,728)
8830-1811	45,608	47,903	147,675	14,601	175,136	1,848	8,378	790	(40.440)	441,939
8830-1812	77,472	203,345	124,701	20,595	35,605	(94,814)	3,529	12,776	(19,140)	364,069
8830-1813 8830-1814	41,556 21,316	14,928 12,530	93,461 17,774	164,004	121,438 117,858	(2,866) (148,819)	(541)	1,535 361	(1,370)	268,682 184,483
8830-1821	24,718	31,743	15,089	104,004	66,510	(140,013)	20,023	663	(380)	158,367
8830-1823	(231)	3,192	3,925		3,748	(10,296)	315	-	(451)	201
8830-1826	()	-,	630,171		157,964	(,,			(,	788,135
8830-1827			326,186		13,252		2,204	20,000		361,643
8830-1837	95,882	50,880	62,725	75,054	316,176	(6,951)	408	6,416	(3,017)	597,574
8830-1838	305,787	254,509	198,088	63,047	983,733	(347,759)	5,932	8,826	(107,175)	1,364,988
8830-1740	1,136		20,028							21,164
8830-1741	2,294		52,930		25,860			-	(14,487)	66,598
8830-1863	13,556	34,063	6,376		56,116			-		110,110
8830-1825	78		55,239		1,905		(22)	-	(2,215)	54,985
8830-1744	1,095		172,591	86,485	54,944			-	(5,792)	309,324
8830-1746			100,000		00.675				(63,750)	36,250
8830-1804	1 350	2.265	563,092		89,675					652,767
8830-1805 8830-1815	1,259	2,265	109,798		3,576 21,212					7,099 131,010
8830-1818	17,398	336,801	587,661	27,721	270,442		3,552	100,000		1,343,575
8830-1819	7,867	7,473	574	21,721	37,960		3,332	714		54,592
8830-1820	284	7,473	41,792		12,761		7	/17		54,837
8830-1824	16,855	50,844	1,864		71,219	(11,118)	1,617	512		131,793
8830-1828	9,853	,-	28,341		22,115	(, -,	,-	542		60,851
8830-1829	1,685		23,298		2,691			-		27,674
8830-1830	159		50,608		9,883					60,650
8830-1831	1,915		14,485		10,984			-		27,384
8830-1832	29,536	114,588	820,842		327,286		3,341	0		1,295,593
8830-1840	447		1,980		3,466		146	-		6,039
8830-1843	6,650	(6,131)			31,770			-		45,239
8830-1845			16,603		364		12			16,978
8830-1846	47,093	197,661	1,150,025		513,474		3,909	35,000	(827,534)	1,119,628
8830-1847	2,462	694	20 500		2,373			-		5,528
8830-1850 8830-1851	271	20,499	29,508 161,431	174,630	6,715 179,240		15,102	0	(4,504)	36,494 546,398
8830-1852		20,499	176,029	174,030	175,240		15,102	U	(4,304)	176,029
8830-1853	215		170,023		669			_		885
8830-1854	3,794				6,807		111	-		10,711
8830-1855	5,286		284,492		37,033			-		326,811
8830-1856	1,854		10,123		6,101		296	-		18,374
8830-1858	75,031	216,362	456,474	83,900	528,692	(107,987)		4,825	(43,713)	1,213,583
8830-1859	3,924	90,016	574,215		210,775		4,308	110,698		993,936
8830-1860	3,571	183,187	517,664		182,090		8,486	102,932		997,930
8830-1864	974		1,525,080	20,348	20,916		1,552	-		1,568,870
8830-1865	4,776	188,150	276,484	37,860	79,621		5,500	10,029		602,419
8830-1866	38,617	262,429	561,015		386,944		7,316	100,000		1,356,321
8830-1868	C 077		48,000		20.202					48,000
8830-1871 8830-1873	6,077 3,308		24,730 138,815		20,283		1,944	-		51,089 168,498
8830-1873 8830-9851-EO	3,308 (54)		138,815		24,431		1,944	-		168,498 (54)
8830-C18630	(54) 244	231,830	389,914		182,399	-	1,477		(451,126)	354,739
8830-C18620	4,129	(1,545)		53,517	81,604		2,940		(101,290)	145,273
8830-C18750	.,123	(2,545)	(155)		32,304		2,540		(=32,230)	(155)
8830-C36424			,,					-	(19,663)	
8830-C36425			211		(2,042)				(211)	(2,042)
8830-c36427		-								-
8830-C36430	4,910	(10,050)	12,724	25,423	119,479			(0)	(237,639)	(85,153)
8830-C36431	10,650	209,216	141,947	2,880	259,047		91	-	(161,395)	462,436
8830-C36435	39,315	1,517	35,603		47,753		1,488	-		125,675
8830-C42920			7,959		1,373		712	-		10,044
8830-C42930	20,885	304,740	266,581	30,185	49,691		1,156	1,023		674,260
8830-C42933							138			138
8830-C42934	2,287	6,230	7,550		24,172			-		40,238
8830-CD0291	1 202 000	276 500	103	540 16 370	737			24.052	(10.220)	1,277
8830-UNALLOC OH 8830-AFUDC	1,293,880	276,589	182	16,279	(1,702,974)			24,052 14,862	(16,338) (15,026)	
8830-C36426		85,700	86,230					14,002	(13,020)	171,930
	2,357,693	3,480,137	11,529,151	897,069	4,249,862	(729,112)	105,422	558,902	(2,096,215)	

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Project Number	Project Name	1 Labor	2 Material	4 Voucher	5 Outside Srvc	6 Overhead	7 COR	8 CIAC	9 AFUDC	CY	PY	,	Grand Total
8830-1801	Storm Program	(56,027.05)									-		(56,027.05)
8830-1801	Storm Program		271.84			342.36							614.20
8830-1801	Storm Program		102.54			129.15							231.69
8830-1801 8830-1801	Storm Program Storm Program	(133.74) (231.67)				(411.34) (640.62)							(545.08) (872.29)
8830-1801	Storm Program	(231.07)				0.00							0.00
8830-1801	Storm Program	(58,529.97)											(58,529.97)
8830-1803	Granite State Meter Purchases		(1,350.00)	(3,111.60)									(4,461.60)
8830-1807	Dist-Water Heater Blanket			15,323.39		626.00							15,323.39
8830-1807 8830-1810	Dist-Water Heater Blanket Dist-Street Light Blanket	(1,120.74)	(2,123.29)	9,681.00		626.08 (7,456.61)							10,307.08 (10,700.64)
8830-1810	Dist-Street Light Blanket	(927.74)	(1,011.75)			(3,090.92)							(5,030.41)
8830-1810	Dist-Street Light Blanket	(1,516.93)	(1,550.08)	(380.00)		(5,680.29)							(9,127.30)
8830-1810	Dist-Street Light Blanket	(471.14)	(265.54)			(1,356.51)							(2,093.19)
8830-1810	Dist-Street Light Blanket	(260.93)	(1,430.62)	(712.50)		(1,826.47)							(4,230.52)
8830-1810 8830-1810	Dist-Street Light Blanket Dist-Street Light Blanket	(773.70)	(2,859.98)			(1,871.12)							(2,644.82)
8830-1810	Dist-Street Light Blanket	(1,847.23)	2,142.20			(5,415.42) 563.59							(10,122.63) 2,705.79
8830-1810	Dist-Street Light Blanket	(824.72)	(2,489.89)			(541.45)							(3,856.06)
8830-1810	Dist-Street Light Blanket	(1,029.67)	(3,448.92)			(2,968.16)							(7,446.75)
8830-1810	Dist-Street Light Blanket	97.62	78.68			1,492.93							1,669.23
8830-1810	Dist-Street Light Blanket			(21.40)		(4.24)							(25.64)
8830-1810 8830-1810	Dist-Street Light Blanket Dist-Street Light Blanket			(220.00)		146.73 277.08							146.73 57.08
8830-1810	Dist-Street Light Blanket			(220.00)		269.22							269.22
8830-1810	Dist-Street Light Blanket	(408.87)				(801.92)							(1,210.79)
8830-1810	Dist-Street Light Blanket					261.20							261.20
8830-1810	Dist-Street Light Blanket	(145.73)	4 454 66			(0.00)							(145.73)
8830-1810 8830-1810	Dist-Street Light Blanket Dist-Street Light Blanket	186.78	1,451.66 863.15			3,110.89 3,834.83							4,749.33 4,697.98
8830-1810	Dist-Street Light Blanket		303.13			3,334.03					-		-,057.50
8830-1810	Dist-Street Light Blanket	109.07	2,794.80			4,043.12							6,946.99
8830-1810	Dist-Street Light Blanket	52.23	259.87			588.08							900.18
8830-1810	Dist-Street Light Blanket Dist-Street Light Blanket	156.21	134.62	380.00		576.23					-		1,247.06
8830-1810 8830-1810	Dist-Street Light Blanket Dist-Street Light Blanket	104.45 48.81	199.41 142.70			550.74 354.05							854.60 545.56
8830-1810 8830-1810	Dist-Street Light Blanket Dist-Street Light Blanket	48.81	142.70			354.05 75.44							124.25
8830-1810	Dist-Street Light Blanket	104.45	142.70			422.96					-		670.11
8830-1810	Dist-Street Light Blanket	97.62	142.70			179.84					-		420.16
8830-1810	Dist-Street Light Blanket	89.16	142.70			168.14					-		400.00
8830-1810 8830-1810	Dist-Street Light Blanket Dist-Street Light Blanket	292.86 52.23	148.27			404.76 118.86					-		697.62 319.36
8830-1810	Dist-Street Light Blanket	32.23	131.39			56.23							187.62
8830-1811	Dist-Public Requirements Blanket		906.29			361.17							1,267.46
8830-1811	Dist-Public Requirements Blanket	(778.28)	(7.60)	(104.22)		(1,982.63)							(2,872.73)
8830-1811	Dist-Public Requirements Blanket	(000.00)		(10.17)		(5.53)							(15.70)
8830-1811 8830-1811	Dist-Public Requirements Blanket Dist-Public Requirements Blanket	(839.36) (379.34)		(20.87)		(2,205.65) (1,184.19)			(78.05)	-		(3,123.06) (1,584.40)
8830-1811	Dist-Public Requirements Blanket	(44.93)		(20.07)	(55.00)	(2,050.97)					-		(2,150.90)
8830-1811	Dist-Public Requirements Blanket	5,027.18	1,535.38		(,	3,910.12			265.10		-		10,737.78
8830-1811	Dist-Public Requirements Blanket	942.44	538.22	570.00		3,051.62					-		5,102.28
8830-1811	Dist-Public Requirements Blanket	6,572.44	866.53	110.00	165.00	12,140.55			30.42		-		19,884.94
8830-1811	Dist-Public Requirements Blanket	747.12	761.27	165.00	165.00	1,709.23			239.31		-		3,786.93
8830-1811 8830-1811	Dist-Public Requirements Blanket Dist-Public Requirements Blanket	(195.32)	147.87	760.00		(439.18) 6,791.53							(634.50) 7,699.40
8830-1811	Dist-Public Requirements Blanket	(961.29)	147.07	(190.00)		(2,087.79)		2,482.00	(3.16)			(760.24)
8830-1812	Dist-Damange & Failure Blanket	(404.68)		(1,582.92)		(1,737.67)							(3,725.27)
8830-1812	Dist-Damange & Failure Blanket	-				-							-
8830-1812	Dist-Damange & Failure Blanket		422.74	6.00		50.07							6.00
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket		133.74			58.07 1,236.80							191.81 1,236.80
8830-1812	Dist-Damange & Failure Blanket	(1,696.38)				(4,042.00)							(5,738.38)
8830-1812	Dist-Damange & Failure Blanket		669.21	15.00		328.13							1,012.34
8830-1812	Dist-Damange & Failure Blanket	401.04				684.39							1,085.43
8830-1812	Dist-Damange & Failure Blanket		(32.04)	5.00		(15.79)							(47.83)
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket	(19,826.40)	(842.48)	5.00		(57,609.68)							5.00 (78,278.56)
8830-1812	Dist-Damange & Failure Blanket	(15,020.70)	(159.71)			(78.73)							(238.44)
8830-1812	Dist-Damange & Failure Blanket	(416.22)				(1,078.24)							(1,494.46)
8830-1812	Dist-Damange & Failure Blanket	(3,433.24)		(12.84)		(9,143.26)			(78.41)			(12,667.75)
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket	336.00	1,866.09 596.56			491.05 1,396.68							2,357.14 2,329.24
8830-1812	Dist-Damange & Failure Blanket	330.00	(186.95)			(93.22)							(280.17)
8830-1812	Dist-Damange & Failure Blanket	(15,354.80)	(207.15)	(885.04)	(1,710.73)	(55,698.09)							(73,855.81)
8830-1812	Dist-Damange & Failure Blanket			330.00		136.56							466.56
8830-1812	Dist-Damange & Failure Blanket	(6,651.68)		(797.50)	(6,225.30)	(18,231.16)							(31,905.64)
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket	(2,712.52) (800.72)	(55.84)	(20.33)		(6,245.94) (1,933.58)							(9,034.63) (2,734.30)
8830-1812	Dist-Damange & Failure Blanket	(2,265.78)	-			(4,829.02)							(7,094.80)
8830-1812	Dist-Damange & Failure Blanket	(1,015.95)		(5.00)		(3,125.72)							(4,146.67)
8830-1812	Dist-Damange & Failure Blanket	(2,404.55)	(101.60)	(4,600.50)		(9,490.64)							(16,597.29)
8830-1812	Dist-Damange & Failure Blanket		551.57	4 3=0 0-		271.88							823.45
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket		5,385.57	1,370.00		566.96 2,349.05							1,936.96 7,734.62
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket	_	/ 3,363.5			0.00							7,734.62 0.00
8830-1812	Dist-Damange & Failure Blanket			5,168.55					(62.31)			5,106.24
8830-1812	Dist-Damange & Failure Blanket			628.42									628.42
8830-1812	Dist-Damange & Failure Blanket	/2	400	22440		/2 2F- 05:			2,136.56				2,136.56
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket	(2,314.93) (3.54)	(199.16)	2,314.93		(7,755.05)							(7,954.21) (3.54)
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket	(10,366.60)	(2,283.16)	(317.40)	(953.83)	(43,568.25)							(57,489.24)
8830-1812	Dist-Damange & Failure Blanket	(==,500.00)	5,832.78	(-2710)	,,00)	2,324.39							8,157.17
8830-1812	Dist-Damange & Failure Blanket	(358.58)	(224.23)			(1,394.86)							(1,977.67)
8830-1812	Dist-Damange & Failure Blanket		609.97			254.98							864.95
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket	(4,107.57)	(248.85)	(5,384.94) 20.00		(9,526.12)							(19,267.48) 20.00
8830-1812	Dist-Damange & Failure Blanket		585.34	20.00		14,162.27							14,747.61
8830-1812	Dist-Damange & Failure Blanket	(5,063.64)	2,078.60	(587.50)	(2,021.99)	(33,422.74)							(39,017.27)
8830-1812	Dist-Damange & Failure Blanket	(770.51)				(1,481.66)							(2,252.17)
8830-1812	Dist-Damange & Failure Blanket				0.00	2.062.02							0.00
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket	(4,506.82)	(364.09)			2,963.93 (9,218.96)		-			-		2,963.93 (14,089.87)
8830-1812	Dist-Damange & Failure Blanket	(4,500.82)	(304.03)			67.64		(10,000.00)					(9,932.36)

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8830-1812	Dist-Damange & Failure Blanket	-				0.00					0.00
8830-1812	Dist-Damange & Failure Blanket	(3,438.18)				(7,730.92)					(11,169.10)
8830-1812	Dist-Damange & Failure Blanket	200.52		5.00		625.68			-		831.20
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket	(630.38)				(1,417.44) 11,460.23					(2,047.82) 11,460.23
8830-1812	Dist-Damange & Failure Blanket					2,390.73					2,390.73
8830-1812	Dist-Damange & Failure Blanket	(783.73)		(2,210.67)		(1,587.56)					(4,581.96)
8830-1812	Dist-Damange & Failure Blanket					2,096.07					2,096.07
8830-1812	Dist-Damange & Failure Blanket	(6,344.38)	(823.30)		(854.00)	(17,889.07)					(25,910.75)
8830-1812	Dist-Damange & Failure Blanket	(236.00)				0.00					(236.00)
8830-1812	Dist-Damange & Failure Blanket		90.33			1,522.88					1,613.21
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket		58.81			985.56 951.48					985.56 1,010.29
8830-1812	Dist-Damange & Failure Blanket		36.61			376.86					376.86
8830-1812	Dist-Damange & Failure Blanket					512.46					512.46
8830-1812	Dist-Damange & Failure Blanket		(179.62)			3,041.01					2,861.39
8830-1812	Dist-Damange & Failure Blanket			1,254.00		13,515.13					14,769.13
8830-1812	Dist-Damange & Failure Blanket		495.74	15,153.26		11,774.27					27,423.27
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket		685.92	801.15		4,576.73 27,274.13				(13,725.00)	5,262.65 14,350.28
8830-1812	Dist-Damange & Failure Blanket			801.13		124.28	(16,581.03)		-	(13,723.00)	(16,456.75)
8830-1812	Dist-Damange & Failure Blanket	(585.72)	-			(0.00)	(10,501.05)				(585.72)
8830-1812	Dist-Damange & Failure Blanket		505.00								505.00
8830-1812	Dist-Damange & Failure Blanket		254.30	350.50		6,905.14			-		7,509.94
8830-1812	Dist-Damange & Failure Blanket	50.13				155.88			-		206.01
8830-1812	Dist-Damange & Failure Blanket			525.00		9,594.48					10,119.48
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket	1,331.25 (420.26)	95.96			2,778.05 0.00				(1,230.99)	2,974.27 (420.26)
8830-1812	Dist-Damange & Failure Blanket	764.04	162.90			1,797.29				(764.04)	1,960.19
8830-1812	Dist-Damange & Failure Blanket	3,102.76	475.42			5,744.88				(,	9,323.06
8830-1812	Dist-Damange & Failure Blanket	2,638.99				5,499.22				(2,639.00)	5,499.21
8830-1812	Dist-Damange & Failure Blanket	2,824.23	26,455.08	385.00		16,684.03			-	(780.96)	45,567.38
8830-1812	Dist-Damange & Failure Blanket	4,890.32	745.39	2,752.95		9,325.57			-		17,714.23
8830-1812	Dist-Damange & Failure Blanket	97.62	119.56			188.52					405.70
8830-1812	Dist-Damange & Failure Blanket	466.95	191.86			782.07					1,440.88
8830-1812	Dist-Damange & Failure Blanket	200.17	122.07			0.00					0.00
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket	280.17 693.59	132.07 90.31			645.20 1,100.38					1,057.44 1,884.28
8830-1812	Dist-Damange & Failure Blanket	1,437.46	455.83	_		3,111.58					5,004.87
8830-1812	Dist-Damange & Failure Blanket	3,352.69	1,545.66	3,626.52		6,757.23			-		15,282.10
8830-1812	Dist-Damange & Failure Blanket	3,709.08	150.60	5,364.00		23,763.45			-		32,987.13
8830-1812	Dist-Damange & Failure Blanket	329.39	83.05			613.68					1,026.12
8830-1812	Dist-Damange & Failure Blanket	2,654.71	1,097.81			4,448.48	(8,201.00)				-
8830-1812	Dist-Damange & Failure Blanket	97.62	101.39			166.84			-		365.85
8830-1812	Dist-Damange & Failure Blanket	283.35	75.00			415.22			-		773.57
8830-1812	Dist-Damange & Failure Blanket	455.24	38.23			641.20			-		1,134.67
8830-1812	Dist-Damange & Failure Blanket	142.61	194.89			349.65			-		687.15
8830-1812 8830-1812	Dist-Damange & Failure Blanket Dist-Damange & Failure Blanket	280.17	7,730.00			387.22 2,037.41			-		667.39 9,767.41
8830-1812	Dist-Damange & Failure Blanket		581.52			468.67					1,050.19
8830-1812	Dist-Damange & Failure Blanket	520.25	58.06			1,383.03					1,961.34
8830-1812	Dist-Damange & Failure Blanket	(520.25)				(1,358.17)					(1,878.42)
8830-1812	Dist-Damange & Failure Blanket	(/	94.93			40.62					135.55
8830-1812	Dist-Damange & Failure Blanket		60.81			26.02					86.83
8830-1812	Dist-Damange & Failure Blanket	137.34									137.34
8830-1812	Dist-Damange & Failure Blanket						(10,000.00)				(10,000.00)
8830-1813	Dist-Asset Replacement Blanket	37.60				108.31					145.91
8830-1813	Dist-Asset Replacement Blanket Dist-Asset Replacement Blanket	(110.28)	226 11			(285.68)					(395.96)
8830-1813	Dist-Asset Replacement Blanket		336.11	467.50		423.30 927.69					759.41 1,395.19
9930-1913	Dist-Asset Replacement Blanket			407.50							
8830-1813 8830-1813	Dist-Asset Replacement Blanket Dist-Asset Replacement Blanket	97.62							_		232.94
8830-1813	Dist-Asset Replacement Blanket	97.62				135.32			-		232.94 419.94
		97.62 1,380.78	813.54	760.00					-		232.94 419.94 7,106.68
8830-1813 8830-1813	Dist-Asset Replacement Blanket Dist-Asset Replacement Blanket		813.54	760.00		135.32 419.94			-		419.94
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket Dist-Asset Replacement Blanket Dist-Asset Replacement Blanket Dist-Asset Replacement Blanket Dist-Asset Replacement Blanket	1,380.78	813.54	1,032.50		135.32 419.94 4,152.36 1,090.31 12,282.15			-		419.94 7,106.68 1,773.65 13,314.65
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket	1,380.78		1,032.50 330.00		135.32 419.94 4,152.36 1,090.31 12,282.15 136.56			-		419.94 7,106.68 1,773.65 13,314.65 466.56
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket	1,380.78	813.54 (73.00)	1,032.50 330.00 14,358.17		135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07			-		419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket	1,380.78 683.34		1,032.50 330.00		135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92			-		419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket	1,380.78 683.34	(73.00)	1,032.50 330.00 14,358.17 340.00		135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35			-	-	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket	1,380.78 683.34		1,032.50 330.00 14,358.17		135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92			-	-	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket	1,380.78 683.34	(73.00)	1,032.50 330.00 14,358.17 340.00		135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39			-	-	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24	(73.00) 1,203.26	1,032.50 330.00 14,358.17 340.00		135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04				-	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket Dist-Asset Replacement Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03	(73.00) 1,203.26 424.21 349.86	1,032.50 330.00 14,358.17 340.00 880.00 220.00		135.32 419.94 4152.36 1,090.31 12,282.15 13.65.6 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60				·	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24	(73.00) 1,203.26 424.21 349.86 1,746.07	1,032.50 330.00 14,358.17 340.00		135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53					419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22	1,032.50 330.00 14,358.17 340.00 880.00 220.00		135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18				- (1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68	1,032.50 330.00 14,358.17 340.00 880.00 220.00		135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18				(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22	1,032.50 330.00 14,358.17 340.00 880.00 220.00	(52) 15\	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18	037 9 0	(1.83)		(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68	1,032.50 330.00 14,358.17 340.00 880.00 220.00	(522.16) (1.258.68)	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 5,873.53 6,867.18	937.80 843.60	(1.83)		- (1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68	1,032.50 330.00 14,358.17 340.00 880.00 220.00	(522.16) (1,258.68) 1,147.59	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18	937.80 843.60	(1.83)		- (1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Asset Replacement Blanket Dist-Baset Blanket Dist-	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68	1,032.50 330.00 14,358.17 340.00 880.00 220.00	(1,258.68)	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3.595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39)		(1.83)		- (1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77)
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket Dist-3rd Party Attach Blanket Dist-3rd Party Attach Blanket Dist-3rd Party Attach Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30)	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00	(1,258.68) 1,147.50	135.32 419.94 4,152.36 1,090.31 12,282.15 13,656 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 5,852 (272.55) (1,358.39) 401.74		(1.83)		- (1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1814 8830-1814 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30)	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49		(1.83)		- (1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 31,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1814 8830-1814 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70	843.60	(1.83)		- (1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30)	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44	843.60 (22,284.50)			- (1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 140.00 502.67 50.00 5,314.00	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 5,873.53 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0,00)	843.60	(1.83)		- (1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0.00) 3,885.00	843.60 (22,284.50) 2,335.75			(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 2,335.75 8,084.90
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 - 561.90	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 140.00 502.67 50.00 5,314.00	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0,00) 3,885.00 (0,00)	(22,284.50) 2,335.75 312.10			- (1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 31,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 2,335.75 8,084.90 312.10
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 140.00 502.67 50.00 5,314.00	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0,00) 3,885.00 (0,00) 6,919.99	(22,284.50) 2,335.75 312.10 (3,151.80)			- (1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 2,335.75 8,084.90
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 - 561.90	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 140.00 502.67 50.00 5,314.00	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0,00) 3,885.00 (0,00)	(22,284.50) 2,335.75 312.10			(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 31,982.21 6,800.40 476.48 195.27 47.67 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 2,335.75 8,084.90 312.10 10,781.52
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87 4,258.39	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 - 561.90 1,182.36	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 140.00 502.67 50.00 5,314.00	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09 - 4,303.03	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0.00) 3,885.00 (0.00) 6,919.99 0.00	843.60 (22,284.50) 2,335.75 312.10 (3,151.80) 453.40			(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 2,335.75 8,084.90 312.10 10,781.52 453.40
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87 4,258.39	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 - 561.90 1,182.36	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 140.00 502.67 50.00 5,314.00	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09 - 4,303.03	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0.00) 3,885.00 (0.00) 6,919.99 0.00 8811.27	843.60 (22,284.50) 2,335.75 312.10 (3,151.80) 453.40			(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 2,335.75 8,084.90 312.10 10,781.52 453.40 2,373.15
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket Dist-Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87 4,258.39 - 1,001.06 2,447.13	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90 1,182.36 263.17 10.50 (621.77)	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 140.00 502.67 50.00 5,314.00 - 663.75	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09 - 4,303.03	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0,00) 3,885.00 (0,00) 6,919.99 0,00 811.27 (996.19) 16,371.79 9,595.25	843.60 (22,284.50) 2,335.75 312.10 (3,151.80) 453.40			(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 2,333.75 8,084.90 312.10 10,781.52 453.40 2,373.15 (1,617.96)
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket Dist-Reliability Blanket Dist-Reliability Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87 4,258.39 1,001.06 2,447.13 100.26 6,284.71 1,347.72	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90 1,182.36 263.17 10.50 (621.77) 26,226.00	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 140.00 502.67 50.00 5,314.00 663.75	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09 - 4,303.03	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 10.8.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0.00) 3,885.00 (0.00) 6,919.99 0,00 811.27 (996.19) 16,371.79 (996.19) 16,371.79 (996.19)	843.60 (22,284.50) 2,335.75 312.10 (3,151.80) 453.40			(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 2,375.75 8,084.90 312.10 10,781.52 453.40 2,373.15 (1,617.96) 50,125.00 12,623.75 3,758.60
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket Dist-Reliability Blanket Dist-Reliability Blanket Dist-Reliability Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87 4,258.39 - 1,001.06 2,447.13 100.26 6,284.71 1,347.72 3,450.15	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90 1,182.36 263.17 10.50 (621.77)	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 140.00 502.67 50.00 5,314.00 - 663.75	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09 - 4,303.03	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0,00) 3,885.00 (0,00) 6,919.99 0,00 811.27 (996.19) 16,371.79 9,595.25 2,030.88 7,510.71	843.60 (22,284.50) 2,335.75 312.10 (3,151.80) 453.40			- (1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 31.982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 2,335.75 8,084.90 312.10 10,781.52 453.40 2,373.15 (1,617.96) 50,125.00 12,623.75 50,125.00 12,623.75
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814	Dist-Asset Replacement Blanket Dist-Replacement Blanket Dist-R	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87 4,258.39 1,001.06 2,447.13 100.26 6,284.71 1,347.72 3,450.15 864.94	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90 1,182.36 263.17 10.50 (621.77) 26,226.00	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 140.00 502.67 50.00 5,314.00 663.75	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09 - 4,303.03	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,9773.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0,00) 3,885.00 (0,00) 6,919.99 0,00 811.27 (996.19) 16,371.79 9,595.25 2,030.88 7,510.71 2,431.58	843.60 (22,284.50) 2,335.75 312.10 (3,151.80) 453.40			(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 42.80.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 2,335.75 8,084.90 312.10 10,781.52 453.40 2,373.15 1,617.96) 50,125.00 12,623.75 3,758.60 14,687.65 3,296.52
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1812 8830-1821 8830-1821 8830-1821	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket Dist-Reliability Blanket Dist-Blanket Dist-Bla	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87 4,258.39 - 1,001.06 2,447.13 100.26 6,284.71 1,347.72 3,450.15 864.94 (101.50)	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90 1,182.36 263.17 10.50 (621.77) 26,226.00	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 140.00 502.67 50.00 5,314.00 663.75	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09 - 4,303.03	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 10.8.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0.00) 3,885.00 (0.00) 6,919.99 0.00 811.27 (996.19) 16,371.79 9,595.25 2,030.88 7,510.71 2,431.58 (322.79)	843.60 (22,284.50) 2,335.75 312.10 (3,151.80) 453.40			(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 2,335.75 8,084.90 312.10 10,781.52 453.40 2,373.15 (2,373.15 1,375.860 14,687.65 3,296.52 (424.29)
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1821 8830-1821 8830-1821 8830-1821	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket Dist-Reliability Blanket Distributed Generation Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87 4,258.39 1,001.06 2,447.13 100.26 6,284.71 1,347.72 3,450.15 864.94 (101.50) (400.09)	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90 1,182.36 263.17 10.50 (621.77) 26,226.00 2,047.79	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 2,109.00 502.67 50.00 5,314.00 - 663.75	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09 - 4,303.03	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0.00) 3,885.00 (0.00) 6,919.99 0.00 811.27 (996.19) 16,371.79 (959.52 2,030.88 7,510.71 2,431.58 (322.79) (322.79)	843.60 (22,284.50) 2,335.75 312.10 (3,151.80) 453.40			- (1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 15,373.98 2,335.75 8,084.90 312.10 10,781.52 453.40 2,373.15 (1,617.96) 50,125.00 12,623.75 3,758.60 14,687.65 3,296.52 (424.29) (722.88)
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket Dist-Reliability Blanket Dist-Blanket Distributed Generation Blanket Distributed Generation Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87 4,258.39 1,001.06 2,447.13 100.26 6,284.71 1,347.72 3,450.15 864.94 (101.50) (400.09) 3,252.66	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90 1,182.36 263.17 10.50 (621.77) 26,226.00	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 140.00 502.67 50.00 5,314.00 663.75	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09 - 4,303.03	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0,00) 3,885.00 (0,00) 6,919.99 (0,00) 811.27 (996.19) 16,371.79 9,595.25 2,030.88 7,510.71 2,431.58 (322.79) 13,394.42	843.60 (22,284.50) 2,335.75 312.10 (3,151.80) 453.40			(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 312.10 10,781.52 453.40 2,373.15 (1,617.96) 50,125.00 12,623.75 3,758.60 14,687.65 3,296.52 (424.29) (722.88) 18,780.94
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814	Dist-Asset Replacement Blanket Dist-Replacement B	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87 4,258.39 - 1,001.06 2,447.13 100.26 6,284.71 1,347.72 3,450.15 864.94 (101.50) (400.09) 3,252.66 (118.40)	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90 1,182.36 263.17 10.50 (621.77) 26,226.00 2,047.79	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 2,109.00 502.67 50.00 5,314.00 - 663.75	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09 - 4,303.03	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 10.8.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0.00) 3,885.00 (0.00) 6,919.99 (0.00) 6,919.99 1,234.52 2,902.49 310.70 13,371.44 (0.00) 3,885.00 (0.00) 6,919.99 1,234.52 2,902.49 310.70 13,371.44 (0.00) 3,885.00 (0.00) 6,919.99 1,234.52 2,903.88 7,510.71 2,431.58 (322.79) (322.79) (322.79) (322.79)	843.60 (22,284.50) 2,335.75 312.10 (3,151.80) 453.40			(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 2,335.75 8,084.90 312.10 10,781.52 453.40 2,373.15 (1,617.96) 50,125.00 12,623.75 3,758.60 14,687.65 3,296.52 (424.29) (722.88) 18,780.94
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814 8830-1818 8830-1821 8830-1821 8830-1821 8830-1822 8830-1823 8830-1823	Dist-Asset Replacement Blanket Dist-3rd Party Attach Blanket Dist-Reliability Blanket Distributed Generation Blanket Distributed Generation Blanket Distributed Generation Blanket	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87 4,258.39 - 1,001.06 2,447.13 100.26 6,284.71 1,347.72 3,450.15 864.94 (101.50) (400.09) 3,252.66 (118.40) (104.45)	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90 1,182.36 263.17 10.50 (621.77) 26,226.00 2,047.79	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 2,109.00 502.67 50.00 5,314.00 - 663.75	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09 - 4,303.03	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 108.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,3588.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0,00) 3,885.00 (0,00) 6,919.99 0.00 811.27 (996.19) 16,371.79 9,595.25 2,030.88 7,510.71 2,431.58 (322.79) 13,394.42 (306.73) (281.01)	(22,284.50) 2,335.75 312.10 (3,151.80) 453.40 (155.17)			(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 10,781.52 453.40 2,373.15 (1,617.96) 50,125.00 12,623.75 3,758.60 14,687.65 3,296.52 (424.29) (722.88) 18,780.94 (425.13) (385.46)
8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1813 8830-1814	Dist-Asset Replacement Blanket Dist-Replacement B	1,380.78 683.34 627.98 1,904.80 869.14 948.24 122.03 2,153.61 (93.39) (507.30) 2,949.67 185.87 4,258.39 - 1,001.06 2,447.13 100.26 6,284.71 1,347.72 3,450.15 864.94 (101.50) (400.09) 3,252.66 (118.40)	(73.00) 1,203.26 424.21 349.86 1,746.07 1,303.22 333.68 136.75 561.90 1,182.36 263.17 10.50 (621.77) 26,226.00 2,047.79	1,032.50 330.00 14,358.17 340.00 880.00 220.00 2,109.00 2,109.00 502.67 50.00 5,314.00 - 663.75	(1,258.68) 1,147.50 2,688.27 1,341.82 1,124.30 1,129.31 3,532.29 - 2,535.09 - 4,303.03	135.32 419.94 4,152.36 1,090.31 12,282.15 136.56 3,595.07 10.8.92 13,957.35 3,814.39 91.05 1,567.30 1,893.04 188.60 5,973.53 6,867.18 142.80 58.52 (272.55) (1,358.39) 401.74 7,606.99 1,234.52 2,902.49 310.70 13,371.44 (0.00) 3,885.00 (0.00) 6,919.99 (0.00) 6,919.99 1,234.52 2,902.49 310.70 13,371.44 (0.00) 3,885.00 (0.00) 6,919.99 1,234.52 2,902.49 310.70 13,371.44 (0.00) 3,885.00 (0.00) 6,919.99 1,234.52 2,903.88 7,510.71 2,431.58 (322.79) (322.79) (322.79) (322.79)	843.60 (22,284.50) 2,335.75 312.10 (3,151.80) 453.40			(1,370.00)	419.94 7,106.68 1,773.65 13,314.65 466.56 17,880.24 448.92 14,585.33 7,802.45 311.05 2,860.65 3,191.14 310.63 11,982.21 6,800.40 476.48 195.27 47.87 (2,280.77) 1,689.24 14,309.50 2,762.21 4,076.79 1,440.01 5,373.98 2,335.75 8,084.90 312.10 10,781.52 453.40 2,373.15 (1,617.96) 50,125.00 12,623.75 3,758.60 14,687.65 3,296.52 (424.29) (722.88) 18,780.94

									Allaciment	JED-3a
8830-1823	Distributed Generation Blanket	(236.79)				(504.66)				(741.45)
8830-1823	Distributed Generation Blanket	(264.69)		(607.50)		(933.37)	625.00			(1,180.56)
8830-1823	Distributed Generation Blanket	, ,		(,		490.13	49.12			539.25
8830-1823	Distributed Generation Blanket	(893.74)				(2,628.10)	625.00	(7.49)		(2,904.33)
8830-1823	Distributed Generation Blanket	(132.34)				(282.06)	023.00	(7.43)		(414.40)
8830-1823	Distributed Generation Blanket	(104.45)				(222.61)	650.00			322.94
8830-1823	Distributed Generation Blanket									322.94
	Distributed Generation Blanket	(104.45)				(222.61)	650.00			
8830-1823		(132.34)				(282.06)				(414.40)
8830-1823	Distributed Generation Blanket	(132.34)				(282.06)				(414.40)
8830-1823	Distributed Generation Blanket	(132.34)				(282.06)				(414.40)
8830-1823	Distributed Generation Blanket	(104.45)				(222.61)				(327.06)
8830-1823	Distributed Generation Blanket	(132.34)				(380.70)				(513.04)
8830-1823	Distributed Generation Blanket						29.46			29.46
8830-1823	Distributed Generation Blanket	(327.59)				(1,007.57)	1,250.00	(0.55)		(85.71)
8830-1823	Distributed Generation Blanket	(216.02)				(692.66)	1,250.00		-	341.32
8830-1823	Distributed Generation Blanket					196.15				196.15
8830-1823	Distributed Generation Blanket	(160.24)				(492.84)				(653.08)
8830-1823	Distributed Generation Blanket	(160.24)				(492.84)				(653.08)
8830-1823	Distributed Generation Blanket	(160.24)				(492.84)				(653.08)
8830-1823	Distributed Generation Blanket	(160.24)				(492.84)				(653.08)
8830-1823	Distributed Generation Blanket	(104.45)				(321.26)				(425.71)
8830-1823	Distributed Generation Blanket	(160.24)				(492.84)				(653.08)
8830-1823	Distributed Generation Blanket	(160.24)				(492.84)	250.00			(403.08)
8830-1823							250.00			
8830-1823	Distributed Generation Blanket	(243.88)				(662.27)	625.00			(906.15)
	Distributed Generation Blanket	(208.90)				(642.50)	625.00			(226.40)
8830-1823	Distributed Generation Blanket	(160.24)				(376.97)				(537.21)
8830-1823	Distributed Generation Blanket	(243.88)				(546.40)				(790.28)
8830-1823	Distributed Generation Blanket	(160.24)				(376.97)				(537.21)
8830-1823	Distributed Generation Blanket	(160.24)				(376.97)				(537.21)
8830-1823	Distributed Generation Blanket	(160.24)				(376.97)				(537.21)
8830-1823	Distributed Generation Blanket	(160.24)				(376.97)			(169.62)	(706.83)
8830-1823	Distributed Generation Blanket	(641.51)				(1,372.19)				(2,013.70)
8830-1823	Distributed Generation Blanket			850.00		272.29			-	1,122.29
8830-1823	Distributed Generation Blanket	(160.24)				(533.42)				(693.66)
8830-1823	Distributed Generation Blanket	(243.88)				(698.33)				(942.21)
8830-1823	Distributed Generation Blanket	(160.24)				(533.42)				(693.66)
8830-1823	Distributed Generation Blanket	(160.24)				(533.42)				(693.66)
8830-1823	Distributed Generation Blanket	(160.24)				(533.42)				(693.66)
8830-1823	Distributed Generation Blanket	(160.24)				(533.42)				(693.66)
8830-1823	Distributed Generation Blanket	(160.24)				(533.42)				(693.66)
8830-1823	Distributed Generation Blanket	(160.24)				(533.42)				(693.66)
8830-1823	Distributed Generation Blanket									
		(243.88)				(533.42)				(777.30)
8830-1823	Distributed Generation Blanket	(160.24)				(533.42)				(693.66)
8830-1823	Distributed Generation Blanket	(160.23)				(315.92)				(476.15)
8830-1823	Distributed Generation Blanket	(104.45)				(205.93)				(310.38)
8830-1823	Distributed Generation Blanket	(216.03)				(425.93)				(641.96)
8830-1823	Distributed Generation Blanket	(160.24)				(315.94)				(476.18)
8830-1823	Distributed Generation Blanket	(160.24)				(315.94)				(476.18)
8830-1823	Distributed Generation Blanket	(160.24)				(315.94)				(476.18)
8830-1823	Distributed Generation Blanket	(285.70)				(315.94)				(601.64)
8830-1823	Distributed Generation Blanket	(160.24)				(315.94)			(42.99)	(519.17)
8830-1823	Distributed Generation Blanket	(160.24)				(315.94)				(476.18)
8830-1823	Distributed Generation Blanket	(160.24)				(315.94)				(476.18)
8830-1823	Distributed Generation Blanket	(160.24)				(315.94)				(476.18)
8830-1823	Distributed Generation Blanket	(160.24)				(315.94)				(476.18)
8830-1823	Distributed Generation Blanket	(160.24)				(315.94)				(476.18)
8830-1823	Distributed Generation Blanket	(160.24)				(315.94)				(476.18)
8830-1823	Distributed Generation Blanket	(104.45)				(205.93)	-			(310.38)
8830-1823	Distributed Generation Blanket	(160.24)				(318.94)				(479.18)
8830-1823	Distributed Generation Blanket	(160.24)				(318.94)				(479.18)
8830-1823	Distributed Generation Blanket	(160.24)				(318.94)				(479.18)
8830-1823	Distributed Generation Blanket	(216.03)				(444.38)				(660.41)
8830-1823	Distributed Generation Blanket	(104.45)				(205.93)				(310.38)
8830-1823	Distributed Generation Blanket					98.07				98.07
8830-1823	Distributed Generation Blanket	(104.45)				(205.93)	625.00			314.62
8830-1823	Distributed Generation Blanket	(160.24)				(318.94)				(479.18)
8830-1823	Distributed Generation Blanket	(160.24)				(318.94)	1,250.00			770.82
8830-1823	Distributed Generation Blanket	(104.45)				(205.93)				(310.38)
8830-1823	Distributed Generation Blanket	(104.45)				(211.57)				(316.02)
8830-1823	Distributed Generation Blanket	(104.45)				(211.57)				(316.02)
8830-1823	Distributed Generation Blanket	(302.00)				(450.01)				(752.01)
8830-1823	Distributed Generation Blanket	(160.24)				(360.31)				(520.55)
8830-1823	Distributed Generation Blanket					(360.31)				(520.55)
		(160.24)					4 350 00			
8830-1823 8830-1823	Distributed Generation Blanket	(264.69)				(234.86)	1,250.00		-	750.45 (55.79)
8830-1823	Distributed Generation Blanket	(55.79)		-		(0.00)				(55.79)
8830-1823	Distributed Generation Blanket	(104.45)				(0.00)				(104.45)
8830-1823	Distributed Generation Blanket	(216.03)				0.00				(216.03)
8830-1823	Distributed Generation Blanket	(160.24)				0.00				(160.24)
8830-1823	Distributed Generation Blanket	(104.45)				(0.00)				(104.45)
8830-1823	Distributed Generation Blanket	(42.99)				0.00			(42.99)	(85.98)
8830-1823	Distributed Generation Blanket	-				0.00				0.00
8830-1823	Distributed Generation Blanket	4,786.02		1,330.00		10,584.30		323.12	(195.32)	16,828.12
8830-1826	Transportation Fleet & Equip Blanket			-						-
8830-1826	Transportation Fleet & Equip Blanket			4,151.71						4,151.71
8830-1827	IT Systems - Corporate Allocation			1,007.75				19.65		1,027.40
8830-1827	IT Systems - Corporate Allocation			79.07						79.07
8830-1827	IT Systems - Corporate Allocation			6,639.75						6,639.75
8830-1837	New Business Residential Blanket	398.54		237.50		1,048.69			_	1.684.73
8830-1837	New Business Residential Blanket	(546.42)		_5,.50		(1,696.78)				(2,243.20)
8830-1837	New Business Residential Blanket	(3-70.72)		760.00		314.52				1,074.52
8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket		(101.53)	700.00		8,349.61			(760.00)	7,488.08
8830-1837 8830-1837			105.98		808.00	264.70			(760.00)	7,488.08 1,178.68
	New Business Residential Blanket	(4 54 4 74)			008.00					
8830-1837	New Business Residential Blanket	(1,514.74)	(6.97)			(3,498.00)				(5,019.71)
8830-1837	New Business Residential Blanket	(1,408.91)	(58.21)			(3,949.69)				(5,416.81)
8830-1837	New Business Residential Blanket	(576.46)		_		(1,550.91)				(2,127.37)
	New Business Residential Blanket			8.00		9.38				17.38
8830-1837			80.55			101.45				182.00
8830-1837	New Business Residential Blanket			11,276.56		11,367.51				22,876.00
		231.93								
8830-1837	New Business Residential Blanket	231.93 (412.55)		(19.80)		(1,172.57)				(1,604.92)
8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket		86.29	(19.80)		(1,172.57) 108.68				
8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket		86.29	(19.80) 570.00					-	(1,604.92)
8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket	(412.55)	86.29 78.89			108.68			-	(1,604.92) 194.97
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket	(412.55)				108.68 3,525.91			-	(1,604.92) 194.97 5,350.11
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(412.55) 1,254.20 137.97	78.89	570.00		108.68 3,525.91 99.36 190.69			- - - (195.32)	(1,604.92) 194.97 5,350.11 178.25 328.66
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(412.55) 1,254.20				108.68 3,525.91 99.36			- - - (195.32)	(1,604.92) 194.97 5,350.11 178.25

8830-1837										
	New Business Residential Blanket	(276.47)				(589.23)				(865.70)
8830-1837	New Business Residential Blanket	(537.90)	(66.36)			(1,468.98)				(2,073.24)
8830-1837	New Business Residential Blanket	(517.03)	, ,	(12.84)		(1,506.28)				(2,036.15)
8830-1837	New Business Residential Blanket	9,823.41	1,521.55	2.688.00	10.00	23,222.21		_		37,265.17
8830-1837	New Business Residential Blanket	(757.53)	(98.88)	2,000.00	10.00	(1,785.20)	(6.67)			(2,648.28)
8830-1837	New Business Residential Blanket					(1,817.59)	(0.07)			
8830-1837	New Business Residential Blanket	(665.57)	(5.71) 119.75			150.81				(2,488.87) 270.56
8830-1837	New Business Residential Blanket		75.00			15.99				90.99
8830-1837	New Business Residential Blanket		71.80			90.42				162.22
8830-1837	New Business Residential Blanket	(852.04)	(61.76)			(2,558.28)				(3,472.08)
8830-1837	New Business Residential Blanket		439.50	1,613.44		592.06				2,645.00
8830-1837	New Business Residential Blanket	(390.64)			(382.50)	(1,102.33)	(9.08)			(1,884.55)
8830-1837	New Business Residential Blanket	(280.17)				(861.72)				(1,141.89)
8830-1837	New Business Residential Blanket	(771.24)				(1,847.15)	(16.78)			(2,635.17)
8830-1837	New Business Residential Blanket	(211.94			104.47	(====)			316.41
8830-1837	New Business Residential Blanket	(453.89)	(38.11)			(1,492.00)				(1,984.00)
8830-1837	New Business Residential Blanket	(433.63)	(30.11)	(42.24)						,
				(12.31)		(10.30)				(22.61)
8830-1837	New Business Residential Blanket	466.13	107.24	380.00		1,113.56		-		2,066.93
8830-1837	New Business Residential Blanket	(559.78)		(345.52)		(1,881.69)				(2,786.99)
8830-1837	New Business Residential Blanket		152.25			191.75				344.00
8830-1837	New Business Residential Blanket	(408.73)	(56.25)	(380.00)		(1,157.01)				(2,001.99)
8830-1837	New Business Residential Blanket	(348.97)				(896.83)				(1,245.80)
8830-1837	New Business Residential Blanket	(585.96)	-			(459.49)				(1,045.45)
8830-1837	New Business Residential Blanket	(,	115.89			145.95				261.84
8830-1837	New Business Residential Blanket	(432.95)	(109.83)			(964.83)				(1,507.61)
8830-1837	New Business Residential Blanket	195.25	(105.05)			301.77				497.02
		153.23								
8830-1837	New Business Residential Blanket	(000.00)			299.17	256.56				555.73
8830-1837	New Business Residential Blanket	(390.64)				(918.99)				(1,309.63)
8830-1837	New Business Residential Blanket				340.00			-		340.00
8830-1837	New Business Residential Blanket	390.64				1,029.86		-		1,420.50
8830-1837	New Business Residential Blanket		124.70			61.47				186.17
8830-1837	New Business Residential Blanket	(431.24)				(1,014.50)				(1,445.74)
8830-1837	New Business Residential Blanket			220.00		91.05				311.05
8830-1837	New Business Residential Blanket	(670.81)	(10.81)			(1,722.71)				(2,404.33)
8830-1837	New Business Residential Blanket	(326.85)	(====)			(1,005.28)				(1,332.13)
8830-1837	New Business Residential Blanket	(320.03)	78.89			99.36				178.25
8830-1837	New Business Residential Blanket		3,099.26			6,050.84				9,150.10
8830-1837	New Business Residential Blanket		2,098.37			1,034.33				3,132.70
8830-1837	New Business Residential Blanket	(186.78)			(170.00)	(412.06)				(768.84)
8830-1837	New Business Residential Blanket	(390.64)				(459.49)				(850.13)
8830-1837	New Business Residential Blanket	(197.44)		(16.05)		(407.10)				(620.59)
8830-1837	New Business Residential Blanket	53.64				78.35				131.99
8830-1837	New Business Residential Blanket	(1,537.31)	(49.67)			(3,266.65)				(4,853.63)
8830-1837	New Business Residential Blanket	(96.28)	, ,	(17.12)		(328.12)				(441.52)
8830-1837	New Business Residential Blanket	(976.52)	(45.40)	()		(2,107.91)				(3,129.83)
8830-1837	New Business Residential Blanket	(382.10)	(45.40)			(1,081.24)				(1,463.34)
8830-1837		584.16	38.65		1,410.41	2,629.96				4,663.18
	New Business Residential Blanket				1,410.41			-		
8830-1837	New Business Residential Blanket	(586.29)	(10.81)			(1,573.65)				(2,170.75)
8830-1837	New Business Residential Blanket	104.45				161.43				265.88
8830-1837	New Business Residential Blanket	(291.52)				(446.00)				(737.52)
8830-1837	New Business Residential Blanket				425.00			-		425.00
8830-1837	New Business Residential Blanket		104.61			51.57				156.18
8830-1837	New Business Residential Blanket			165.00		470.46				635.46
8830-1837	New Business Residential Blanket	(371.21)		(472.00)		(794.18)				(1,637.39)
8830-1837	New Business Residential Blanket	(=: =:==)	86.45	(=)		108.87				195.32
8830-1837	New Business Residential Blanket	200.40	00.43	668.92	2,896.82	859.99	63.07			4,689.20
				008.92	2,890.82		65.07	-		
8830-1837	New Business Residential Blanket	(420.69)				(1,132.19)				(1,552.88)
8830-1837	New Business Residential Blanket	(226.85)				(577.94)				(804.79)
8830-1837	New Business Residential Blanket									(804.79)
8830-1837		(226.85)				(577.94)				
8830-1837	New Business Residential Blanket		125.05			49.84				174.89
		(226.85) (192.56)	125.05							
8830-1837	New Business Residential Blanket		125.05			49.84				174.89
	New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85)	125.05			49.84 (641.00) (577.94)				174.89 (833.56) (804.79)
8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85)	125.05			49.84 (641.00) (577.94) (755.14)				174.89 (833.56) (804.79) (981.99)
8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19)	125.05	(26.75)		49.84 (641.00) (577.94) (755.14) (759.60)				174.89 (833.56) (804.79) (981.99) (987.79)
8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85)		(26.75)		49.84 (641.00) (577.94) (755.14) (759.60) (764.83)				174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19)	176.86	(26.75)	435.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67				174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19)	176.86 98.07	(26.75)	425.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65		<u>-</u>		174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19)	176.86 98.07 78.89			49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36		-		174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17)	176.86 98.07	1,530.00	425.00 2,018.75	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98		-		174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19)	176.86 98.07 78.89			49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80)		-		174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17)	176.86 98.07 78.89	1,530.00		49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70				174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17)	176.86 98.07 78.89 222.41	1,530.00	2,018.75	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80)				174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17)	176.86 98.07 78.89 222.41 96.24	1,530.00	2,018.75	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70		-		174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17)	176.86 98.07 78.89 222.41 96.24	1,530.00	2,018.75	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80				174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13)	176.86 98.07 78.89 222.41 96.24	1,530.00 (13.91)	2,018.75	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04)	(1.65)			174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57)	176.86 98.07 78.89 222.41 96.24	1,530.00 (13.91)	2,018.75	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 (340.80) 1,070.70 4,093.80 (1,079.04) (272.11)	(1.65) 41.46			174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57)	176.86 98.07 78.89 222.41 96.24 206.61	1,530.00 (13.91)	2,018.75 425.00 553.00	49.84 (641.00) (577.94) (755.14) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15				174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 4,300.41 (1,491.37) (831.44) 771.61
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85)	176.86 98.07 78.89 222.41 96.24	1,530.00 (13.91) (17.09) (14.98)	2,018.75 425.00 553.00 425.00	49.84 (641.00) (577.94) (755.14) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3.213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71				174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85)	176.86 98.07 78.89 222.41 96.24 206.61	1,530.00 (13.91)	2,018.75 425.00 553.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12				174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85)	176.86 98.07 78.89 222.41 96.24 206.61	1,530.00 (13.91) (17.09) (14.98)	2,018.75 425.00 553.00 425.00	49.84 (641.00) (577.94) (755.14) (755.14) (755.60) (764.83) 581.67 268.65 99.36 3.213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02)				174.89 (833.65) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28)	176.86 98.07 78.89 222.41 96.24 206.61	1,530.00 (13.91) (17.09) (14.98)	2,018.75 425.00 553.00 425.00	49.84 (641.00) (577.94) (755.14) (755.14) (755.60) (764.83) 581.67 268.65 99.36 3.213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50)				174.89 (833.56) (804.79) (981.99) (987.79) (758.53 791.72 178.25 6,985.14 (1,277.84) (1,491.33) (1491.33) (1491.33) 771.61 732.58 3,893.75 (1,005.20) (1416.78)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85)	176.86 98.07 78.89 222.41 96.24 206.61	1,530.00 (13.91) (17.09) (14.98)	2,018.75 425.00 553.00 425.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (839.96)				174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28)	176.86 98.07 78.89 222.41 96.24 206.61	1,530.00 (13.91) (17.09) (14.98)	2,018.75 425.00 553.00 425.00	49.84 (641.00) (577.94) (755.14) (755.14) (755.60) (764.83) 581.67 268.65 99.36 3.213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50)				174.89 (833.56) (804.79) (981.99) (987.79) (758.53 791.72 178.25 6,985.14 (1,277.84) (1,491.33) (1491.33) (1491.33) 771.61 732.58 3,893.75 (1,005.20) (1416.78)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28)	176.86 98.07 78.89 222.41 96.24 206.61	1,530.00 (13.91) (17.09) (14.98)	2,018.75 425.00 553.00 425.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (839.96)				174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56)	176.86 98.07 78.89 222.41 96.24 206.61	1,530.00 (13.91) (17.09) (14.98)	2,018.75 425.00 553.00 425.00	49.84 (641.00) (577.94) (755.14) (755.14) (755.60) (764.83) 581.67 268.65 99.36 3.213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (839.96) 115.87				174.89 (833.56) (804.79) (981.79) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 722.58 3,893.75 (1,005.20) (416.78) (1,213.87)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56)	176.86 98.07 78.89 222.41 96.24 206.61 75.87	1,530.00 (13.91) (17.09) (14.98) 380.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 2,663.12 (715.02) (320.50) (339.96) 115.87 (324.96)			(98.03)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58)
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62	176.86 98.07 78.89 222.41 96.24 206.61 75.87	1,530.00 (13.91) (17.09) (14.98) 380.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (755.64) (755.61) (764.83) 581.67 268.65 99.36 3.213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (839.96) 115.87 (324.96) 1,127.83 1,166.94				174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) 4,19.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,015.20) (416.78) (1,213.52) 207.87 (422.58) 2,395.21 1,362.26
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62	176.86 98.07 78.89 222.41 96.24 206.61 75.87	1,530.00 (13.91) (17.09) (14.98) 380.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (839.96) 115.87 (324.96) 1,127.83 1,166.94 54.10			(98.03)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) (1,213.52) 1,362.26 163.86
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64	176.86 98.07 78.89 222.41 96.24 206.61 75.87	1,530.00 (13.91) (17.09) (14.98) 380.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (755.14) (755.60) (764.83) 581.67 268.65 99.36 3.213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (339.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00			(98.03)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) 2,395.21 1,362.26 163.86 0.00
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79	1,530.00 (13.91) (17.09) (14.98) 380.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 2,663.12 (715.02) (320.50) (339.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71)			(98.03)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) 2,395.21 1,362.26 163.86 0.00 (364.30)
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (839.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01			(98.03)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 4,300.41 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) 2,395.21 1,362.26 163.26 0.00 (364.30) 970.74
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79	1,530.00 (13.91) (17.09) (14.98) 380.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (755.14) (755.60) (764.83) 581.67 268.65 99.36 3.213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (339.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76		- - - - - - - (0.00)	(98.03)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) (27.87 (422.58) 2,325.61 13.86 0.00 (364.30) 970.74 6,471.85
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57)	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 2,663.12 (715.02) (320.50) (339.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44)		- - - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) (1,213.52) 207.87 (422.58) (3,395.21 1,362.26 0.00 (364.30) 970.74 6,471.85
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (755.14) (755.60) (764.83) 581.67 268.65 99.36 3.213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (339.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76		- - - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) (27.87 (422.58) 2,325.61 13.86 0.00 (364.30) 970.74 6,471.85
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57)	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 2,663.12 (715.02) (320.50) (339.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44)		- - - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) (1,213.52) 207.87 (422.58) (3,395.21 1,362.26 0.00 (364.30) 970.74 6,471.85
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57) (720.44) (192.56)	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00 680.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (755.60) (764.83) 581.67 268.65 99.36 3.213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (839.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44) (643.44) (644.00)		- - - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) 2,395.21 1,362.26 163.86 0.00 (364.30) 970.74 6,471.85 (388.01) (1,376.19) (1,376.19) (1,376.19)
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57) (720.44) (192.56) (323.13)	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (839.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44) (643.44) (643.44) (643.65)		- - - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6.985.14 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 773.25 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) (2,395.21 1,362.26 0.00 (364.30) 970.74 6,471.85 (388.01) (1,1376.19) (833.56) (803.56) (803.56) (803.56) (803.56)
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57) (720.44) (192.56) (323.13) 401.04	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00 680.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (349.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44) (643.44) (641.00) (643.65) 9,189.42		- - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 1,591.94 4,300.41 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) 2,395.21 1,362.26 163.86 0.00 (364.30) 970.74 6,471.85 (388.01) (1,376.19) (833.56) (980.16) (1,376.19) (833.56) (980.16) 10,371.87
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57) (720.44) (192.56) (323.13) 401.04 (390.64)	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00 680.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 2,663.12 (715.02) (339.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44) (643.44) (643.45) 9,189.42 (770.22)		- - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (449.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (1416.78) (1,213.52) 207.87 (422.58) 2,395.21 1,362.26 0.00 (364.30) 970.74 6,471.85 (388.01) (1,376.19) (833.56) (980.16) (10,371.67)
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57) (720.44) (192.56) (323.13) 401.04 (390.64) (390.64)	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00 680.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (839.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44) (643.44) (643.45) 9,189.42 (770.22) (770.22)		- - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1213.52) 207.87 (422.58) 2,395.21 1,362.86 0.00 (364.30) 970.74 6,471.85 (388.01) (1,376.19) (833.56) (980.16) (1,371.87 (1,160.86)
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57) (720.44) (192.56) (323.13) 401.04 (390.64) (195.32)	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00 680.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (339.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44) (643.65) 9,189.42 (770.22) (770.22) (385.10)		- - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 1,591.94 4,300.41 1,771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) 6,00 (364.30) 970.74 6,471.85 (388.01) (1,376.19) (833.56) (990.16) 10,371.87 (1,160.86) (1,160.86) (1,160.86) (1,160.86) (1,160.86)
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57) (720.44) (192.56) (323.13) 401.04 (390.64) (390.64)	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00 680.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (839.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44) (643.44) (641.00) (643.65) 9,189.42 (770.22) (770.22) (385.10) 939.64		- - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (981.79) (1,019.75) 758.53 791.72 178.25 6,985.14 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) (2,395.21 1,362.26 0.00 (364.30) 970.74 6,471.85 (1) (1,376.19) (833.56) (1,160.86) (1,160.86) (1,160.86) (1,160.86) (1,160.86) (1,160.86) (580.42) (2,729.36)
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57) (720.44) (192.56) (323.13) 401.04 (390.64) (195.32)	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00 680.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (339.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44) (643.65) 9,189.42 (770.22) (770.22) (385.10)		- - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 1,591.94 4,300.41 1,771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) 6,00 (364.30) 970.74 6,471.85 (388.01) (1,376.19) (833.56) (990.16) 10,371.87 (1,160.86) (1,160.86) (1,160.86) (1,160.86) (1,160.86)
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57) (720.44) (192.56) (323.13) 401.04 (390.64) (195.32)	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00 680.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (839.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44) (643.44) (641.00) (643.65) 9,189.42 (770.22) (770.22) (385.10) 939.64		- - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (981.79) (1,019.75) 758.53 791.72 178.25 6,985.14 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) (2,395.21 1,362.26 0.00 (364.30) 970.74 6,471.85 (1) (1,376.19) (833.56) (1,160.86) (1,160.86) (1,160.86) (1,160.86) (1,160.86) (1,160.86) (580.42) (2,729.36)
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57) (720.44) (192.56) (323.13) 401.04 (390.64) (195.32)	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76	1,530.00 (13.91) (17.09) (14.98) 380.00 680.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (839.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44) (643.44) (641.00) (643.65) 9,189.42 (770.22) (770.22) (385.10) 939.64	41.46	- - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (981.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77) (811.47) (811.44) 771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) 2,395.21 1,362.26 163.86 (1,213.52) (1,213.
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57) (720.44) (192.56) (323.13) 401.04 (390.64) (195.32)	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76 130.00 111.02	1,530.00 (13.91) (17.09) (14.98) 380.00 680.00	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (755.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (339.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0,000 (241.71) 553.01 4,872.76 (257.44) (643.65) (643.65) (643.65) (949.94 (770.22) (770.22) (770.22) (789.96) (388.03	41.46	- - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 (1,491.33) (419.77) (831.44) 1,771.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) (207.87 (422.58) 2,325.61 (338.60) (364.30) 970.74 6,471.85 (388.01) (1,376.19) (980.16) (193.71.87 (1,160.86) (1,160.86) (1,160.86) (1,160.86) 438.04 (2,729.36) 438.07 (1,160.84) (1,160.86) (1,160.86) (1,160.86) (1,160.86) (1,160.86) (1,160.87) (1,160.
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57) (720.44) (192.56) (323.13) 401.04 (390.64) (195.32) 243.19	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76 130.00 111.02	1,530.00 (13.91) (17.09) (14.98) 380.00 (80.00 (12.31) (13.38)	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (329.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44) (643.44) (643.44) (643.65) 9,189.42 (770.22) (770.22) (770.22) (770.22) (770.22) (770.22) (770.22) (770.22) (770.22) (759.24.76) (641.25)	41.46	- - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6,985.14 (1,277.84) 1,591.94 4,300.41 1,591.94 4,300.41 1,591.94 1,300.41 1,71.61 732.58 3,893.75 (1,005.20) (416.78) (1,213.52) 207.87 (422.58) 2,395.21 1,362.26 163.86 0.00 (364.30) 970.74 6,471.85 (388.01) (1,376.19) (833.56) (980.16) 10,371.87 (1,160.86) (1,160.
8830-1837 8830-1837	New Business Residential Blanket	(192.56) (226.85) (226.85) (226.85) (228.19) (228.17) (323.13) (412.29) (130.57) (226.85) 765.63 (290.18) (96.28) (373.56) (97.62) 502.62 390.64 (122.59) 287.73 1,108.07 (130.57) (720.44) (192.56) (323.13) 401.04 (390.64) (390.64) (195.32) 243.19	176.86 98.07 78.89 222.41 96.24 206.61 75.87 - 92.00 12.79 109.76 130.00 111.02	1,530.00 (13.91) (17.09) (14.98) 380.00 (80.00 (12.31) (13.38)	2,018.75 425.00 553.00 425.00 85.00	49.84 (641.00) (577.94) (755.14) (759.60) (764.83) 581.67 268.65 99.36 3,213.98 (940.80) 1,070.70 4,093.80 (1,079.04) (272.11) (587.96) 177.15 231.71 2,663.12 (715.02) (320.50) (839.96) 115.87 (324.96) 1,127.83 1,166.94 54.10 0.00 (241.71) 553.01 4,872.76 (257.44) (643.44) (641.00) (643.65) 9,189.42 (770.22) (385.10) 939.64 438.03 223.27	41.46	- - - - - (0.00)	(98.03) (195.32)	174.89 (833.56) (804.79) (981.99) (987.79) (1,019.75) 758.53 791.72 178.25 6.985.14 1,591.94 4,300.41 (1,491.33) (449.77) (831.44) 771.61 773.25 (1,005.20) (446.78) (1,213.52) 207.87 (422.58) (3,38.01) (1,376.19) (833.66) (1,160.86) (980.16) (1,160.86) (580.42) (2,729.36 438.03) 148.79 693.24

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8830-1837	New Business Residential Blanket	(226.85)				(447.27)				(674.12)
8830-1837	New Business Residential Blanket	701.40			765.00	2,138.68		-		3,605.08
8830-1837	New Business Residential Blanket	(268.49)				(529.37)				(797.86)
8830-1837	New Business Residential Blanket	(390.64)	-			(385.10)				(775.74)
8830-1837	New Business Residential Blanket	(226.85)		(16.59)		(450.56)				(694.00)
8830-1837	New Business Residential Blanket	911.88	81.66	760.00	733.25	2,866.61		-		5,353.40
8830-1837	New Business Residential Blanket	6,373.17	2,942.08	673.75	360.00	12,714.16	39.79	-		23,102.95
8830-1837	New Business Residential Blanket	(662.19)	4.22		-	(439.01)				(1,101.20)
8830-1837 8830-1837	New Business Residential Blanket	470.04	1.33		298.00	13.53	(750.00)			312.86
	New Business Residential Blanket New Business Residential Blanket	179.91	81.88			346.01	(758.00)			(150.20)
8830-1837		(568.88)				(1,175.71)	755.40		(195.32)	(1,744.59)
8830-1837	New Business Residential Blanket	(781.28)	-	-		(780.75)	755.40	-	(195.52)	(1,001.95)
8830-1837	New Business Residential Blanket	(174.63)		(20.22)		309.52				309.52
8830-1837 8830-1837	New Business Residential Blanket	(174.63)		(20.33)		(370.05)				(565.01)
	New Business Residential Blanket	(252.96)				(518.85)				(771.81)
8830-1837	New Business Residential Blanket	130.57				180.45		-		311.02
8830-1837	New Business Residential Blanket	104.45		(45.52)		161.43				265.88
8830-1837	New Business Residential Blanket	(274.99)		(15.52)		(295.62)				(586.13)
8830-1837	New Business Residential Blanket	(323.13)	00.47	(21.40)		(394.31)				(738.84)
8830-1837	New Business Residential Blanket	(07.63)	80.47			157.11				237.58
8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	(97.62) (195.32)				(197.74) (385.10)				(295.36) (580.42)
8830-1837	New Business Residential Blanket	1,042.10	105.47			2,400.96	101.13	_		3,649.66
8830-1837	New Business Residential Blanket	(104.45)	103.47			(211.57)	101.13			(316.02)
8830-1837	New Business Residential Blanket	(104.43)	111.22		893.00	1,370.29				2,374.51
8830-1837	New Business Residential Blanket	1,999.91	111.22	1,225.00	3,705.06	5,591.38		_		12,521.35
8830-1837	New Business Residential Blanket	(1,001.18)	(141.84)	1,223.00	3,703.00	(2,252.50)				(3,395.52)
8830-1837	New Business Residential Blanket	(323.13)	(141.04)	(9.63)		(685.58)				(1,018.34)
8830-1837	New Business Residential Blanket	(52.23)		(9.08)		(107.61)				(168.92)
8830-1837	New Business Residential Blanket	(280.17)		(3.00)	_	(567.53)				(847.70)
8830-1837	New Business Residential Blanket	(568.88)				(1,152.35)				(1,721.23)
8830-1837	New Business Residential Blanket	(382.10)				(774.01)				(1,156.11)
8830-1837	New Business Residential Blanket	(193.90)		(8.03)		(196.62)				(398.55)
8830-1837	New Business Residential Blanket	(226.84)		(5.05)		(488.60)				(715.44)
8830-1837	New Business Residential Blanket	747.12	106.72		1,472.09	1,537.75				3,863.68
8830-1837	New Business Residential Blanket	(192.56)	100.72	(21.40)	_,05	(394.31)				(608.27)
8830-1837	New Business Residential Blanket	241.95	36.47	(22.70)		2,226.86				2,505.28
8830-1837	New Business Residential Blanket	(920.83)	20.47			(1,983.75)				(2,904.58)
8830-1837	New Business Residential Blanket	(200.73)		(16.05)		(433.07)				(649.85)
8830-1837	New Business Residential Blanket	(585.96)		(10.05)		(1,230.48)				(1,816.44)
8830-1837	New Business Residential Blanket	(=====)		(18.19)		(3.60)				(21.79)
8830-1837	New Business Residential Blanket	(1,151.77)		(10.15)	-	(1,510.43)				(2,662.20)
8830-1837	New Business Residential Blanket	(597.12)	_		0.00	(1,311.12)				(1,908.24)
8830-1837	New Business Residential Blanket	5,275.47	2,096.93	2,173.47	945.00	12,468.13		_		22,959.00
8830-1837	New Business Residential Blanket	253.24	,	, -		390.68				643.92
8830-1837	New Business Residential Blanket	672.46	207.16	_	1,884.02	2,567.62		-		5,331.26
8830-1837	New Business Residential Blanket		(906.73)		,	10,458.95				9,552.22
8830-1837	New Business Residential Blanket		,			196.15				196.15
8830-1837	New Business Residential Blanket	(676.79)				(1,370.95)				(2,047.74)
8830-1837	New Business Residential Blanket	881.22	400.94			1,899.72				3,181.88
8830-1837	New Business Residential Blanket	400.80			212.50	1,498.37		_		2,111.67
8830-1837										(484.69)
	New Business Residential Blanket	150.39	69.42			271.45	(975.95)			
	New Business Residential Blanket New Business Residential Blanket	150.39 1.356.74	69.42 450.64	380.00	328.32	271.45 4.670.96	(975.95) (1.954.74)	-		
8830-1837	New Business Residential Blanket	1,356.74 -	69.42 450.64	380.00	328.32	4,670.96	(975.95) (1,954.74)	-		5,231.92
8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket		450.64	380.00	328.32	4,670.96 (0.00)		-		5,231.92 (0.00)
8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket		450.64 85.94		328.32	4,670.96 (0.00) 605.82		-	(380.00)	5,231.92 (0.00) 691.76
8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket	1,356.74 -	450.64 85.94 12.97	380.00	-	4,670.96 (0.00) 605.82 1,752.06		-	(380.00)	5,231.92 (0.00) 691.76 1,765.03
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket New Business Residential Blanket		450.64 85.94		328.32 - 664.55	4,670.96 (0.00) 605.82 1,752.06 1,121.95		-	(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	1,356.74 - 434.32	450.64 85.94 12.97 97.31	380.00	-	4,670.96 (0.00) 605.82 1,752.06 1,121.95 253.94		-	(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40 253.94
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	1,356.74 - 434.32 104.45	450.64 85.94 12.97	380.00 272.27	-	4,670.96 (0.00) 605.82 1,752.06 1,121.95 253.94 206.66		-	(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40 253.94 401.39
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22	450.64 85.94 12.97 97.31	380.00	-	4,670.96 (0.00) 605.82 1,752.06 1,121.95 253.94 206.66 1,865.73		-	(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40 253.94 401.39 5,600.66
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40	450.64 85.94 12.97 97.31 90.28	380.00 272.27	-	4,670.96 (0.00) 605.82 1,752.06 1,121.95 253.94 206.66 1,865.73 807.13		-	(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22	450.64 85.94 12.97 97.31	380.00 272.27 3,210.71	- 664.55	4,670.96 (0.00) 605.82 1,752.06 1,121.95 253.94 206.66 1,865.73 807.13 (629.97)			(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17)	450.64 85.94 12.97 97.31 90.28 (241.02)	380.00 272.27 3,210.71	-	4,670.96 (0.00) 605.82 1,752.06 1,121.95 253.94 206.66 1,865.73 807.13 (629.97) 2,370.67		:	(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17) 561.31	450.64 85.94 12.97 97.31 90.28	380.00 272.27 3,210.71	- 664.55	4,670.96 (0.00) 605.82 1,752.06 1,121.95 253.94 206.66 1,865.73 807.13 (629.97) 2,370.67 1,177.18		:	(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62)	85.94 12.97 97.31 90.28 (241.02) 180.90	380.00 272.27 3,210.71 595.00 330.00	- 664.55	4,670.96 (0.00) 605.82 1,752.06 1,121.95 253.94 206.66 1,865.73 807.13 (629.97) 2,370.67 1,177.18			(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17) 561.31	450.64 85.94 12.97 97.31 90.28 (241.02)	380.00 272.27 3,210.71	- 664.55	4,670.96 (0.00) 605.82 1,752.06 1,121.95 253.94 206.66 1,865.73 807.13 (629.97) 2,370.67 1,177.18			(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56	380.00 272.27 3,210.71 595.00 330.00	- 664.55	4,670.96 (0.00) 605.82 1,752.06 1,121.95 253.94 206.66 1,865.73 807.13 (629.97) 2,370.67 1,177.18 0.00 3,120.67			(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15	380.00 272.27 3,210.71 595.00 330.00	- 664.55	4,670.96 (0.00) 605.82 1,752.06 1,121.95 253.94 206.66 1,865.73 807.13 (629.97) 2,370.67 1,177.18 0.00 3,120.67 977.10			(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40	380.00 272.27 3,210.71 595.00 330.00	- 664.55	4,670.96 (0.00) 605.82 1,752.06 1,121.95 253.94 206.66 1,865.73 807.13 (629.97) 2,370.67 1,177.18 0.00 3,120.67 977.10 416.35			(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,494.39 (97.62) 6,150.50 1,697.68 784.80
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97	380.00 272.27 3,210.71 595.00 330.00	- 664.55	4,670.96 (0.00) (0.00) (0.05.82 1,752.06 1,121.95 253.94 206.66 1,865.73 807.13 (629.97) 2,370.67 1,177.18 0.00 3,120.67 977.10 416.35 931.41			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 784.80 1,746.68
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97	380.00 272.27 3,210.71 595.00 330.00	- 664.55	4,670.96 (0.00) 605.82 1,752.06 1,121.95 253.94 206.66 1,865.73 807.13 (629.97) 2,370.67 1,177.18 0.00 3,120.67 977.10 416.35 931.41 389.19			(380.00)	5,231.92 (0.00) 691.76 1,765.03 2,590.40 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 784.80 1,746.68 687.48
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97	380.00 272.27 3,210.71 595.00 330.00	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 784.80 1,746.68 687.48 499.25
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 190.39 195.24 (97.62) (97.62)	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) (97.62) (97.62)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62)	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58	380.00 272.27 3,210.71 595.00 330.00	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) (9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 784.80 1,746.68 499.25 668.31 (97.62) (97.62) 3,112.71
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) (97.62)	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) (97.62) (97.62) 3,112.71 (0.00)
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 195.32 (97.62) (97.62) (97.62) 717.39 	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) 717.39 	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 784.80 1,746.68 687.48 499.25 668.31 (97.62) (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) 717.39 - 208.91 0.00 182.77	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) 3,112.71 (0.00) 739.09 0.00
8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 551.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) 717.39 28.91 0.00 182.77 50.13	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35
8830-1837 8830-1837	New Business Residential Blanket	1,356.74	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 (2,49.39 (97.62) 6,150.50 1,697.68 784.80 1,746.68 687.48 499.25 668.31 (97.62) (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.35
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) 97.62) 717.39 - 208.91 0.00 182.77 50.13 50.13 50.13	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.35 123.35
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) (97.62) 717.39 - 208.91 0.00 182.77 50.13 50.13 50.13 100.26	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 784.80 1,746.68 687.48 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.35 123.35 123.35
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) 717.39 - 208.91 0.00 182.77 50.13 50.13 50.13 100.26 134.10	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.35 123.35 123.35 345.95 365.74
8830-1837 8830-1837	New Business Residential Blanket	1,356,74 - 434,32 104,45 524,22 200,40 (280,17) 561,31 (97,62) 1,403,71 551,43 244,05 507,30 195,32 195,32 197,62) (97,62) (97,62) 717,39 - 208,91 0,00 182,77 50,13 50,13 50,13 100,26 134,10 100,26	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) (9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.35 123.35 123.35 345.95
8830-1837 8830-1837	New Business Residential Blanket	1,356.74	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) (9.490.37 2,249.39 (97.62) 6,150.50 1,697.68 784.80 1,746.68 687.48 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.35 123.35 123.35 123.35 125.35 1
8830-1837 8830-1837	New Business Residential Blanket	1,356,74 - 434,32 104,45 524,22 200,40 (280,17) 561,31 (97,62) 1,403,71 551,43 244,05 507,30 195,32 150,39 195,24 (97,62) 717,39 - 208,91 0,00 182,77 50,13 50,13 50,13 50,13 100,26 134,10 100,26	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.35 123.35 123.35 345.95 365.74 345.95
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 190.39 195.24 (97.62) (97.62) (97.62) 717.39 208.91 0.00 182.77 50.13 50.13 100.26 134.10 100.26 134.10 100.26 134.10	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.35 123.35 123.35 123.35 123.35 345.95 365.74 345.95 365.74
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) 717.39 208.91 0.00 182.77 50.13 50.13 50.13 100.26 134.10 100.26 134.10 100.26 134.10 1134.10	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (0.01)
8830-1837 8830-1837	New Business Residential Blanket	1,356,74 - 434,32 104,45 524,22 200,40 (280,17) 561,31 (97,62) 1,403,71 551,43 244,05 507,30 195,32 150,39 195,24 (97,62) (97,62) (97,62) 717,39 - 208,91 0,00 182,77 50,13 50,13 50,13 100,26 134,10 100,26 134,10 100,26 134,10 110,26 134,10 1134,10 1168,00	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00) (0.00) (0.05.82 1,752.06 1,121.95 253.94 206.66 1,865.73 807.13 (629.97) 2,370.67 1,177.18 91.26 1,177.18 91.1			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.35 123.35 123.35 345.95 365.74 345.95 365.74 365.74 5579.68
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 551.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) 717.39 208.91 0.00 182.77 50.13 50.13 50.13 100.26 134.10 100.26 134.10 100.26 134.10 134.10 168.00 168.00	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) 3,112.71 (0.00) 625.10 123.35 123
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) 717.39 - 208.91 0.00 182.77 50.13 50.13 50.13 100.26 134.10 100.26 134.10 100.26 134.10 1188.00 168.00 168.00	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.
8830-1837 8830-1837	New Business Residential Blanket	1,356,74 - 434,32 104,45 524,22 200,40 (280,17) 561,31 (97,62) 1,403,71 551,43 244,05 507,30 195,32 195,32 195,32 195,34 195,32 195,33 195,24 (97,62) (97,62) 717,39 - 208,91 0,00 182,77 50,13 50,13 100,26 134,10 100,26 134,10 100,26 134,10 134,10 134,10 138,00 168,00 84,00	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.3
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) 717.39 208.91 0.00 182.77 50.13 50.13 50.13 100.26 134.10 100.26 134.10 100.26 134.10 114.10 168.00 168.00 168.00 168.00 84.00 84.00	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 484.80 1,746.68 687.48 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 12
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) 717.39 - 208.91 0.00 182.77 50.13 50.13 50.13 50.13 100.26 134.10 100.26 134.10 100.26 134.10 100.26 134.10 100.26 134.10 168.00 168.00 168.00 84.00 84.00	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49 75.06	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.35 123.35 123.35 345.95 365.74 365.74 365.
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) 717.39 208.91 0.00 182.77 50.13 50.13 50.13 100.26 134.10 100.26 134.10 100.26 134.10 114.10 168.00 168.00 168.00 168.00 84.00 84.00	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 784.80 1,746.68 687.48 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 12
8830-1837 8830-1837	New Business Residential Blanket	1,356.74	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49 75.06	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)	(1,954.74)		(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.
8830-1837 8830-1837	New Business Residential Blanket	1,356.74	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49 75.06	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)			(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.
8830-1837 8830-1837	New Business Residential Blanket	1,356.74	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49 75.06	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)	(1,954.74)		(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) (1,97.62) (1,151.16) (1,1
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) 717.39 - 208.91 0.00 182.77 50.13 50.13 100.26 134.10 100.26 100.26 100.26 100.26 100.26 100.26 100.26 100.26 100.26 100.26 100.26 100.26 100.26 100.26 100.26 100.26 100.26 100.2	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49 75.06	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)	(1,954.74)		(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.3
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) (97.62) 717.39 - 208.91 0.00 182.77 50.13 50.13 100.26 134.10 100.26 134.10 100.26 134.10 134.10 134.10 134.10 168.00 168.00 84.00 84.00 84.00 84.00 84.00 84.00 84.00 84.00 84.00 84.00 84.00 104.45 - (565.88) (314.76)	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49 75.06	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)	(1,954.74)		(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) (9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) (97.62) (3,112.71 (0.00) 739.09 0.00 625.10 123.35 12
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 551.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) 717.39 208.91 0.00 182.77 50.13 50.13 100.26 134.10 100.26 134.10 100.26 134.10 134.10 158.00 168.00	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49 75.06	380.00 272.27 3,210.71 595.00 330.00 996.56	664.55	4,670.96 (0.00)	(1,954.74)		(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.3
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 - 434.32 104.45 524.22 200.40 (280.17) 561.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) (97.62) (97.62) 717.39 - 208.91 0.00 182.77 50.13 50.13 100.26 134.10 100.26 134.10 100.26 134.10 134.10 134.10 134.10 168.00 168.00 84.00 84.00 84.00 84.00 84.00 84.00 84.00 84.00 84.00 84.00 84.00 104.45 - (565.88) (314.76)	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49 75.06	380.00 272.27 3,210.71 595.00 330.00 996.56	- 664.55	4,670.96 (0.00)	(1,954.74)		(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.
8830-1837 8830-1837	New Business Residential Blanket	1,356.74 434.32 104.45 524.22 200.40 (280.17) 551.31 (97.62) 1,403.71 551.43 244.05 507.30 195.32 150.39 195.24 (97.62) 717.39 208.91 0.00 182.77 50.13 50.13 100.26 134.10 100.26 134.10 100.26 134.10 134.10 158.00 168.00	450.64 85.94 12.97 97.31 90.28 (241.02) 180.90 629.56 169.15 124.40 307.97 102.97 154.58 142.84 0.00 104.49 75.06	380.00 272.27 3,210.71 595.00 330.00 996.56	664.55	4,670.96 (0.00)	(1,954.74)		(380.00)	5,231.92 (0.00) (691.76 1,765.03 2,590.40 253.94 401.39 5,600.66 1,007.53 (1,151.16) 9,490.37 2,249.39 (97.62) 6,150.50 1,697.68 687.48 499.25 668.31 (97.62) 3,112.71 (0.00) 739.09 0.00 625.10 123.35 123.3

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8830-1838	New Business Commercial Blanket		622.00	302.50		396.47					1,320.97
8830-1838	New Business Commercial Blanket		2,880.49			1,147.90					4,028.39
8830-1838	New Business Commercial Blanket	3,177.26	1,483.16	1,520.00		12,612.09			-		18,792.51
8830-1838	New Business Commercial Blanket	19,271.62	127,891.90	130,574.54		176,196.03			-	(105,477.27)	348,456.82
8830-1838	New Business Commercial Blanket	97.62	78.89			250.24					426.75
8830-1838	New Business Commercial Blanket	12,794.32	4,349.06	1,365.00	2,112.50	38,966.84	(13,896.70)		-		45,691.02
8830-1838	New Business Commercial Blanket	(522.88)	(112.68)			(1,363.70)					(1,999.26)
8830-1838	New Business Commercial Blanket	332.99		-		1,099.74		31.47			1,464.20
8830-1838	New Business Commercial Blanket	1,613.93				4,196.73		92.57			5,903.23
8830-1838	New Business Commercial Blanket	1,185.51				4,009.82		.=	343.60		5,538.93
8830-1838	New Business Commercial Blanket	1,110.51	20 640 00	05.40		3,756.14		178.49	294.56		5,339.70
8830-1838	New Business Commercial Blanket	21,198.53	38,619.99	85.49		59,185.84			-		119,089.85
8830-1838	New Business Commercial Blanket	(120 56)	(135.85)	(11.24)		3,266.55	010.00				3,130.70
8830-1838	New Business Commercial Blanket	(130.56)	000 04	(11.24)		(282.48)	919.00				494.72
8830-1838	New Business Commercial Blanket	401.04	906.84	7 622 56		1,717.85			-		3,025.73
8830-1838	New Business Commercial Blanket New Business Commercial Blanket	3,153.38	695.27	7,622.56		12,943.69			-		24,414.90
8830-1838		(984.37) 27,806.92	2 700 00	2 420 00		(2,264.69)					(3,249.06) 125,787.79
8830-1838	New Business Commercial Blanket	27,800.92	3,788.00	2,420.00		91,772.87			-		256.56
8830-1838	New Business Commercial Blanket New Business Commercial Blanket	(527.24)	(47.04)			256.56 (1,399.86)	490.73				(1,484.31)
8830-1838 8830-1838	New Business Commercial Blanket	5,928.49	(47.94) 4,421.21		7,435.00	2,838.14	490.73		325.85		20,948.69
8830-1838	New Business Commercial Blanket	5,926.49	4,421.21		7,435.00	2,589.77			323.83		2,589.77
8830-1838	New Business Commercial Blanket	2,717.07	447.72	380.00	132.14	6,351.34	(3,936.28)		663.06		6,755.05
8830-1838	New Business Commercial Blanket	200.40	180.13	380.00	132.14	541.95	(3,330.20)		663.06		1,965.54
8830-1838	New Business Commercial Blanket	200.40	51.73	300.00		101.00			003.00		152.73
8830-1838	New Business Commercial Blanket		31.73			522.73					522.73
8830-1838	New Business Commercial Blanket	(437.28)		(36.92)		(1,486.52)					(1,960.72)
8830-1838	New Business Commercial Blanket	(437.20)		(30.52)		0.02					0.02
8830-1838	New Business Commercial Blanket		82.75			104.21					186.96
8830-1838	New Business Commercial Blanket	(387.80)	(30.32)	(5.89)		(794.19)					(1,218.20)
8830-1838	New Business Commercial Blanket	()	(/	(330.00)		(146.99)					(476.99)
8830-1838	New Business Commercial Blanket	8,580.41		7,967.30	1,326.47	18,439,76	(155,255.27)		-		(118,941.33)
8830-1838	New Business Commercial Blanket	200.40	86.86	.,	,	391.90	(==3,233.27)		-		679.16
8830-1838	New Business Commercial Blanket	(761.36)	(77.30)	(18.73)		(1,534.94)					(2,392.33)
8830-1838	New Business Commercial Blanket	(585.96)	(77.50)	(10.75)		(1,250.79)			-		(1,836.75)
8830-1838	New Business Commercial Blanket	(283.06)		(26.22)		(677.58)					(986.86)
8830-1838	New Business Commercial Blanket	(203.00)		(LULL)	(722.50)	(143.23)					(865.73)
8830-1838	New Business Commercial Blanket		75.47		425.00	574.59			-		1,075.06
8830-1838	New Business Commercial Blanket	9,096.20	1,845.03	6,403.75	1,140.00	27,868.48			-		46,353.46
8830-1838	New Business Commercial Blanket	189.18	64.80	-,	_,	668.13					922.11
8830-1838	New Business Commercial Blanket		81.88		340.00	130.47			-		552.35
8830-1838	New Business Commercial Blanket	(332.63)			(85.00)	(743.87)	705.48				(456.02)
8830-1838	New Business Commercial Blanket	(000.00)	340.35		()	72.58					412.93
8830-1838	New Business Commercial Blanket	1,095.30		380.00		1,787.96			-		3,263.26
8830-1838	New Business Commercial Blanket	780.96	5,689.34	2,444.88		35,484.56			-		44,399.74
8830-1838	New Business Commercial Blanket	(563.23)	(33.69)	(16.58)	(256.00)	(1,205.45)					(2,074.95)
8830-1838	New Business Commercial Blanket	,	,	(212.00)	,	(42.02)					(254.02)
8830-1838	New Business Commercial Blanket			1,020.00	765.00	255.39			-		2,040.39
8830-1838	New Business Commercial Blanket	(715.39)	(178.52)	_,		(1,035.28)					(1,929.19)
8830-1838	New Business Commercial Blanket	(()		-	-					-
8830-1838	New Business Commercial Blanket	(186.78)				(368.27)					(555.05)
8830-1838	New Business Commercial Blanket	(542.77)				(1,167.13)	975.86				(734.04)
8830-1838	New Business Commercial Blanket	,	59.47			116.11					175.58
8830-1838	New Business Commercial Blanket		114.85	165.00		519.60					799.45
8830-1838	New Business Commercial Blanket	4,075.96	478.46			5,815.80		2.80	-		10,373.02
8830-1838	New Business Commercial Blanket	90.27				6,019.59		192.51			6,302.37
8830-1838	New Business Commercial Blanket	(195.32)		-	(0.00)	(385.10)					(580.42)
8830-1838	New Business Commercial Blanket	634.53	161.47	384.00	()	7,081.67				(634.53)	7,627.14
8830-1838	New Business Commercial Blanket	4,409.75	811.55			13,186.20			-	()	18,407.50
8830-1838	New Business Commercial Blanket	5,504.69		5,128.64	5,196.46	19,629.11		983.54	-		36,442.44
8830-1838	New Business Commercial Blanket	383.64	820.77		,	1,456.33					2,660.74
8830-1838	New Business Commercial Blanket	(195.32)	(0.84)			(439.42)			-		(635.58)
8830-1838	New Business Commercial Blanket	(647.39)	(/		-	(1,373.84)	_		-		(2,021.23)
8830-1838	New Business Commercial Blanket	17,692.97	1,188.75	87.15	380.00	36,488.93	(43,201.03)	18.26	-		12,655.03
8830-1838	New Business Commercial Blanket			6.54		508.07					514.61
8830-1838	New Business Commercial Blanket	11,842.33				23,529.57		91.17	-		35,463.07
8830-1838	New Business Commercial Blanket		186.79			364.68					551.47
8830-1838	New Business Commercial Blanket	596.36	91.59	1,151.70		1,971.91					3,811.56
8830-1838	New Business Commercial Blanket	683.34	116.65	333.00		2,135.41			-	(683.34)	2,585.06
8830-1838	New Business Commercial Blanket		125.00	156.78		995.91				,	1,277.69
8830-1838	New Business Commercial Blanket			380.00		95.14					475.14
8830-1838	New Business Commercial Blanket			-	-	0.00					0.00
8830-1838	New Business Commercial Blanket	280.17	274.72			519.49					1,074.38
8830-1838	New Business Commercial Blanket	-							-		-
8830-1838	New Business Commercial Blanket	6,523.80	2,082.35								8,606.15
8830-1838	New Business Commercial Blanket	114.45									114.45
8830-1838	New Business Commercial Blanket	(209.84)				(425.07)					(634.91)
8830-1838	New Business Commercial Blanket	(231.60)				(599.96)					(831.56)
8830-1838	New Business Commercial Blanket	(1,130.28)				(2,990.01)		(22.05)			(4,142.34)
8830-1838	New Business Commercial Blanket				(382.50)	(75.83)					(458.33)
8830-1740	Londonderry Snow Canopy	1,135.83		20,027.82							21,163.65
8830-1741	Mt. Support Cap Bank PLC Replacement	2,294.07		52,930.08		25,860.14			-	(14,486.58)	66,597.71
8830-1863	Replace Lyme Rd P3 Recloser	13,555.59	34,062.95	6,375.62		56,115.57			-		110,109.73
8830-1825	New Hampshire PC Refresh			25,660.17				(367.97)	-	(2,215.17)	23,077.03
8830-1744	GOLDEN ROCK SUBSTATION	1,095.37		172,591.24	86,484.96	54,944.12			-	(5,791.72)	309,323.97
8830-1826	Track Star AVLS Vehicle Tracking System			604.98							604.98
8830-1746	FIRST RESPONDER MOBILE APPLICATION			100,000.00						(63,750.00)	36,250.00
8830-1801	STORM PROGRAM PROJECT	-	(0.00)	-		-					(0.00)
8830-1801	STORM PROGRAM PROJECT	-		0.00							0.00
8830-1801	STORM PROGRAM PROJECT	149,210.79	47,796.88								197,007.67
8830-1803	METER PURCHASES BLANKET	159,478.75		196,262.04		33,688.40					389,429.19
8830-1804	TRANSFORMER PURCHASE BLANKET			613,956.92		89,674.58					703,631.50
8830-1804	TRANSFORMER PURCHASE BLANKET			(50,865.00)							(50,865.00)
8830-1805	DISTRIBUTION SUBS BLANKET	225.58	119.40			760.32					1,105.30
8830-1805	DISTRIBUTION SUBS BLANKET	426.10	119.40			1,383.86					1,929.36
8830-1805	DISTRIBUTION SUBS BLANKET	607.05	2,026.00			1,431.78					4,064.83
8830-1807	DIST - GENERAL EQUIPMENT BLANKET			14,955.00							14,955.00
8830-1807	DIST - GENERAL EQUIPMENT BLANKET			2,119.88							2,119.88
8830-1807	DIST - GENERAL EQUIPMENT BLANKET			6,110.00		2,614.75					8,724.75
8830-1810	DIST - STREET LIGHT BLANKET	78.35	241.60			184.35			-		504.30
8830-1810	DIST - STREET LIGHT BLANKET	130.56	134.16			274.09					538.81
8830-1810	DIST - STREET LIGHT BLANKET	48.81	159.47			141.97					350.25
8830-1810	DIST - STREET LIGHT BLANKET	66.87	130.26			166.74					363.87
8830-1810 8830-1810	DIST - STREET LIGHT BLANKET	97.62	130.26			224.55					452.43
	DIST - STREET LIGHT BLANKET	284.40	137.26			577.94					999.60

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8830-1810	DIST - STREET LIGHT BLANKET	284.40	130.26		575.74			990.40
8830-1810	DIST - STREET LIGHT BLANKET	93.39	134.62		217.97			445.98
8830-1810	DIST - STREET LIGHT BLANKET	93.39	134.62		217.97			445.98
8830-1810	DIST - STREET LIGHT BLANKET	274.19	159.56		518.15		_	951.90
8830-1810	DIST - STREET LIGHT BLANKET	2/4.15	135.30					(0.00)
		644.20	620.02		(0.00)	-		
8830-1810	DIST - STREET LIGHT BLANKET	641.30	629.83		2,219.42		-	3,490.55
8830-1810	DIST - STREET LIGHT BLANKET	130.56	141.67		267.39		-	539.62
8830-1810	DIST - STREET LIGHT BLANKET	50.13	188.85		125.82			364.80
8830-1810	DIST - STREET LIGHT BLANKET	160.92	306.73		516.73		-	984.38
8830-1810	DIST - STREET LIGHT BLANKET	107.28	306.73		1,234.52		-	1,648.53
8830-1810	DIST - STREET LIGHT BLANKET	107.28	147.23		749.03			1,003.54
8830-1810	DIST - STREET LIGHT BLANKET	160.92	161.01		941.08			1,263.01
8830-1810	DIST - STREET LIGHT BLANKET	160.92	291.72		1,339.28			1,791.92
8830-1810	DIST - STREET LIGHT BLANKET	160.92			529.94		-	690.86
8830-1810	DIST - STREET LIGHT BLANKET	107.28	306.73		487.07		-	901.08
8830-1810	DIST - STREET LIGHT BLANKET	134.10	145.13		516.87		-	796.10
8830-1810	DIST - STREET LIGHT BLANKET	107.28	306.67		487.05		_	901.00
8830-1810	DIST - STREET LIGHT BLANKET	107.28	192.13		437.09			736.50
8830-1810	DIST - STREET LIGHT BLANKET	107.28	306.73		487.07			901.08
8830-1810	DIST - STREET LIGHT BLANKET	150.39	5,888.23		(921.91)			5,116.71
8830-1810 8830-1810	DIST - STREET LIGHT BLANKET DIST - STREET LIGHT BLANKET	107.28	153.35	772.01	420.17 635.47			680.80
		277.61	709.61	772.91			-	2,395.60
8830-1810	DIST - STREET LIGHT BLANKET		1,105.85		545.10			1,650.95
8830-1810	DIST - STREET LIGHT BLANKET	195.32			333.32		-	528.64
8830-1810	DIST - STREET LIGHT BLANKET	601.56	1,061.93	535.67	2,704.26		-	4,903.42
8830-1810	DIST - STREET LIGHT BLANKET	107.28	256.21		465.04			828.53
8830-1810	DIST - STREET LIGHT BLANKET	134.10	874.26		381.33		-	1,389.69
8830-1810	DIST - STREET LIGHT BLANKET	107.28	512.89		112.05		-	732.22
8830-1810	DIST - STREET LIGHT BLANKET	67.05	365.32		159.35		-	591.72
8830-1810	DIST - STREET LIGHT BLANKET	80.42	157.26					237.68
8830-1810	DIST - STREET LIGHT BLANKET	160.92	149.14					310.06
8830-1810	DIST - STREET LIGHT BLANKET	50.13	147.92		146.26			344.31
8830-1810	DIST - STREET LIGHT BLANKET	75.19	152.51		191.75			419.45
8830-1810	DIST - STREET LIGHT BLANKET	217.44	307.42		500.29			1,025.15
8830-1810	DIST - STREET LIGHT BLANKET	281.58	269.50	256.00	1,002.53		_	1,809.61
8830-1810	DIST - STREET LIGHT BLANKET	107.28	306.06	250.00	484.46		-	897.80
8830-1810	DIST - STREET LIGHT BLANKET	107.20	300.00		+0+.40			057.00
8830-1810 8830-1810	DIST - STREET LIGHT BLANKET	160.91	898.28		476.70	-		1,535.89
					476.70			
8830-1810	DIST - STREET LIGHT BLANKET	80.46	437.41		454.24			517.87
8830-1810	DIST - STREET LIGHT BLANKET	120.69	154.07		451.24			726.00
8830-1810	DIST - STREET LIGHT BLANKET	160.92	158.00		578.28			897.20
8830-1810	DIST - STREET LIGHT BLANKET	67.05	332.57		372.44			772.06
8830-1810	DIST - STREET LIGHT BLANKET	300.78	177.46		704.84		-	1,183.08
8830-1810	DIST - STREET LIGHT BLANKET	191.82	191.69	380.00	709.24			1,472.75
8830-1810	DIST - STREET LIGHT BLANKET	53.64	130.06		113.34			297.04
8830-1810	DIST - STREET LIGHT BLANKET	146.04	130.74		248.49			525.27
8830-1810	DIST - STREET LIGHT BLANKET	50.13	122.16		106.08			278.37
8830-1810	DIST - STREET LIGHT BLANKET	134.10	157.18		196.79			488.07
8830-1810	DIST - STREET LIGHT BLANKET	100.26	159.50		189.35			449.11
8830-1810	DIST - STREET LIGHT BLANKET	168.00	401.92		353.53			923.45
8830-1810	DIST - STREET LIGHT BLANKET		181.00		89.22		_	270.22
8830-1810	DIST - STREET LIGHT BLANKET	67.05	130.06		190.53			387.64
8830-1810	DIST - STREET LIGHT BLANKET	80.46	167.09		162.48			410.03
8830-1810	DIST - STREET LIGHT BLANKET	60.40	159.48		41.95			201.43
		67.05						
8830-1810	DIST - STREET LIGHT BLANKET	67.05	169.40		160.39			396.84
8830-1810	DIST - STREET LIGHT BLANKET		56.53		14.87			71.40
8830-1810	DIST - STREET LIGHT BLANKET	107.28	176.49		295.28			579.05
8830-1810	DIST - STREET LIGHT BLANKET	200.52	130.63		380.74			711.89
8830-1810	DIST - STREET LIGHT BLANKET		128.54		33.82			162.36
8830-1810	DIST - STREET LIGHT BLANKET		130.63		34.36			164.99
8830-1810	DIST - STREET LIGHT BLANKET	480.90	193.18		882.18		-	1,556.26
8830-1810	DIST - STREET LIGHT BLANKET	150.39	177.05	380.00	498.18			1,205.62
8830-1810	DIST - STREET LIGHT BLANKET	168.00	247.88		290.20			706.08
8830-1810	DIST - STREET LIGHT BLANKET	200.52	209.58		346.38			756.48
8830-1810	DIST - STREET LIGHT BLANKET	150.39	209.58		259.79			619.76
8830-1810	DIST - STREET LIGHT BLANKET	120.69	337.44		352.89			811.02
8830-1810	DIST - STREET LIGHT BLANKET	160.92	410.60		453.69			1,025.21
8830-1810	DIST - STREET LIGHT BLANKET	1,042.18	410.00		201.90		409.08	1,653.16
					201.50			
8830-1810	DIST - STREET LIGHT BLANKET	663.08					221.04	884.12
8830-1810	DIST - STREET LIGHT BLANKET	(100.26)					100.26	107.20
8830-1810	DIST - STREET LIGHT BLANKET	(53.64)					160.92	107.28
8830-1810	DIST - STREET LIGHT BLANKET	(75.20)	168.54				150.39	243.73
8830-1810	DIST - STREET LIGHT BLANKET	(53.64)	158.04				160.92	265.32
8830-1810	DIST - STREET LIGHT BLANKET	(53.64)	163.75				160.92	271.03
8830-1810	DIST - STREET LIGHT BLANKET	(876.81)				(350.00)	876.81	(350.00)
8830-1810	DIST - STREET LIGHT BLANKET	(107.28)					107.28	-
8830-1810	DIST - STREET LIGHT BLANKET		859.96		368.02			1,227.98
8830-1810	DIST - STREET LIGHT BLANKET			11.99	5.13			17.12
8830-1810	DIST - STREET LIGHT BLANKET	50.13	407.55					457.68
8830-1810	DIST - STREET LIGHT BLANKET	80.46		18.53				98.99
8830-1810	DIST - STREET LIGHT BLANKET	160.92						160.92
8830-1810		257.78						257.78
	DIST - STREET LIGHT BLANKET							395.13
9930-1910		395.13						
8830-1810 8830-1811	DIST - STREET LIGHT BLANKET	395.13			540.00 737.32			1.277.32
8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET		868.36	330.00	540.00 737.32 384.00 1.485.96			1,277.32 5.685.20
8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET DIST- PUBLIC REQUIREMENTS BLANKET	2,616.88	868.36	330.00	384.00 1,485.96		-	5,685.20
8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET DIST- PUBLIC REQUIREMENTS BLANKET DIST- PUBLIC REQUIREMENTS BLANKET		868.36 6,100.33	330.00 3,220.00	384.00 1,485.96 7,613.06 12,179.26		-	5,685.20 43,407.26
8830-1811 8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET DIST- PUBLIC REQUIREMENTS BLANKET DIST- PUBLIC REQUIREMENTS BLANKET DIST- PUBLIC REQUIREMENTS BLANKET	2,616.88 14,294.61			384.00 1,485.96 7,613.06 12,179.26 330.00 54.13		- - -	5,685.20 43,407.26 384.13
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET	2,616.88 14,294.61 102.99			384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26		-	5,685.20 43,407.26 384.13 423.25
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET	2,616.88 14,294.61 102.99 487.00	6,100.33	3,220.00	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11		23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70	6,100.33 766.74		384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06		23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55	6,100.33	3,220.00	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15		-	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70	6,100.33 766.74	3,220.00	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06		23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55	6,100.33 766.74	3,220.00	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15		23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55 411.97	766.74 1,127.44	3,220.00 42.80	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15 803.13	(633.89)	23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53 1,215.10
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55 411.97 475.20	766.74 1,127.44	3,220.00 42.80	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15 803.13 1,057.13	(633.89)	23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,965.33 1,215.10 2,192.28
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55 411.97 475.20 389.60	766.74 1,127.44	3,220.00 42.80 380.00	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15 803.13 1,057.13 788.36	(633.89)	23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53 1,215.10 2,192.28 544.07
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55 411.97 475.20 389.60 411.97	766.74 1,127.44 279.95	3,220.00 42.80 380.00	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15 803.13 1,057.13 788.36 748.23	(633.89)	23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53 1,215.10 2,192.28 544.07 1,245.70
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST - PUBLIC REQUIREMENTS BLANKET DIST - DUBLIC REQUIREMENTS BLANKET DIST - DAMAGE & FAILURE BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55 411.97 475.20 389.60 411.97 1,423.95	766.74 1,127.44 279.95	3,220.00 42.80 380.00 85.50	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15 803.13 1,057.13 788.36 748.23	(633.89)	23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53 1,215.10 2,192.28 544.07 1,245.70 4,159.83
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811	DIST - STREET LIGHT BLANKET DIST - PUBLIC REQUIREMENTS BLANKET DIST - DAMAGE & FAILURE BLANKET DIST - DAMAGE & FAILURE BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55 411.97 475.20 389.60 411.97 1,423.95	766.74 1,127.44 279.95	3,220.00 42.80 380.00 85.50	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 803.13 1,057.13 788.36 748.23 2,542.49	(633.89)	23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53 1,215.10 2,192.28 544.07 1,245.70 4,159.83
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1812 8830-1812	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55 411.97 475.20 389.60 411.97 1,423.95	766.74 1,127.44 279.95	3,220.00 42.80 380.00 85.50	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15 803.13 1,057.13 788.36 748.23 2,542.49	(633.89)	23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53 1,215.10 2,192.28 544.07 1,245.70 4,159.83
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1812 8830-1812 8830-1812	DIST - STREET LIGHT BLANKET DIST - PUBLIC REQUIREMENTS BLANKET DIST - DUBLIC REQUIREMENTS BLANKET DIST - DAMAGE & FAILURE BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55 411.97 475.20 411.97 1,423.95	766.74 1,127.44 279.95 193.39	3,220.00 42.80 380.00 85.50	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15 803.13 1,057.13 788.36 748.23 2,542.49	(633.89)	23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53 1,215.10 2,192.28 544.07 1,245.70 4,159.83
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	DIST - STREET LIGHT BLANKET DIST - PUBLIC REQUIREMENTS BLANKET DIST - DABLIC REQUIREMENTS BLANKET DIST - DAMAGE & FAILURE BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55 411.97 475.20 389.60 411.97 1,423.95	766.74 1,127.44 279.95	3,220.00 42.80 380.00 85.50	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15 803.13 1,057.13 788.36 748.23 2,542.49	(633.89)	23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53 1,215.10 2,192.28 544.07 1,245.70 4,159.83 - 17.74 1,825.63 577.28 436.71
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	DIST - STREET LIGHT BLANKET DIST- PUBLIC REQUIREMENTS BLANKET DIST- DAMAGE & FAILURE BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55 411.97 475.20 389.60 411.97 1,423.95	6,100.33 766.74 1,127.44 279.95 193.39 115.99 199.50	3,220.00 42.80 380.00 85.50 17.74 1,211.25	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15 803.13 1,057.13 788.36 748.23 2,542.49 467.95 289.63 163.99 617.52	(633.89)	23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53 1,215.10 2,192.28 544.07 1,245.70 4,159.83 - 17.77.4 1,825.63 577.28 436.71
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	DIST - STREET LIGHT BLANKET DIST - PUBLIC REQUIREMENTS BLANKET DIST - DAMAGE & FAILURE BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55 411.97 475.20 389.60 411.97 1,423.95 - - 146.43 171.66 73.22 265.42 186.78	6,100.33 766.74 1,127.44 279.95 193.39 115.99 199.50 111.87	3,220.00 42.80 380.00 85.50	384.00 1.485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15 803.13 1,057.13 788.36 748.23 2,542.49 467.95 289.63 163.99 617.52 340.93	(633.89)	23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53 1,215.10 2,192.28 544.07 1,245.70 4,159.83 - 17.74 1,825.63 577.28 436.71 882.94
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	DIST - STREET LIGHT BLANKET DIST - PUBLIC REQUIREMENTS BLANKET DIST - DABLIC REQUIREMENTS BLANKET DIST - DAMAGE & FAILURE BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55 411.97 475.20 389.60 411.97 1,423.95 - 146.43 171.66 73.22 265.42 186.78 2,333.12	6,100.33 766.74 1,127.44 279.95 193.39 115.99 199.50 111.87 835.97	3,220.00 42.80 380.00 85.50 17.74 1,211.25	384.00 1,485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15 803.13 1,057.13 788.36 748.23 2,542.49 467.95 289.63 163.99 617.52 340.93	(633.89)	23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53 1,215.10 2,192.28 544.07 1,245.70 4,159.83 - 17.74 1,825.63 577.28 436.71 882.94 829.58
8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1811 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	DIST - STREET LIGHT BLANKET DIST - PUBLIC REQUIREMENTS BLANKET DIST - DAMAGE & FAILURE BLANKET	2,616.88 14,294.61 102.99 487.00 2,187.70 1,626.55 411.97 475.20 389.60 411.97 1,423.95 - - 146.43 171.66 73.22 265.42 186.78	6,100.33 766.74 1,127.44 279.95 193.39 115.99 199.50 111.87	3,220.00 42.80 380.00 85.50 17.74 1,211.25	384.00 1.485.96 7,613.06 12,179.26 330.00 54.13 320.26 1,026.11 3,851.06 3,670.15 803.13 1,057.13 788.36 748.23 2,542.49 467.95 289.63 163.99 617.52 340.93	(633.89)	23.13 253.24	5,685.20 43,407.26 384.13 423.25 1,789.48 6,848.30 6,960.53 1,215.10 2,192.28 544.07 1,245.70 4,159.83

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8830-1812	DIST- DAMAGE & FAILURE BLANKET	439.29				825.96			1,265.25
8830-1812	DIST- DAMAGE & FAILURE BLANKET	0.00	-			(0.00)			0.00
8830-1812	DIST- DAMAGE & FAILURE BLANKET	373.56	144.20	380.00		842.91			1,740.67
8830-1812	DIST- DAMAGE & FAILURE BLANKET	4,980.53	355.69	-	-	9,476.48	(14,812.70)	-	- 4404.03
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	333.62 439.29	107.25 179.58	1.016.41	1 016 41	661.05 3,499.15			1,101.92 7,950.84
8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	609.56	155.87	1,916.41 380.00	1,916.41	1,788.40			2,933.83
8830-1812	DIST- DAMAGE & FAILURE BLANKET	186.78	97.09	500.00	380.00	544.36			1,208.23
8830-1812	DIST- DAMAGE & FAILURE BLANKET	236.00	97.46	380.00		586.25			1,299.71
8830-1812	DIST- DAMAGE & FAILURE BLANKET	186.78	97.46			371.97			656.21
8830-1812	DIST- DAMAGE & FAILURE BLANKET	3,456.75	576.09	660.00		5,963.50	(4,299.35)	-	6,356.99
8830-1812	DIST- DAMAGE & FAILURE BLANKET	186.78	90.31			338.00		-	615.09
8830-1812	DIST- DAMAGE & FAILURE BLANKET	577.26	270.93	979.50		1,107.74		-	2,935.43
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	853.20	141.15	380.00		1,607.85		-	2,982.20
8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	702.54 200.52	481.22 112.50			1,301.53 366.19		-	2,485.29 679.21
8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,101.54	570.35	385.00		4,257.58		-	7,314.47
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,726.38	157.53	303.00		2,979.74			4,863.65
8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,411.19	603.21	330.00		4,243.44			7,587.84
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,569.36	28,907.60	256.00		8,842.68			39,575.64
8830-1812	DIST- DAMAGE & FAILURE BLANKET	160.92	39.98			275.91			476.81
8830-1812	DIST- DAMAGE & FAILURE BLANKET	366.24	246.78			676.82			1,289.84
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,970.40	313.86		220.00	3,429.51	(4.005.65)		5,933.77
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	2,963.36 1,788.23	952.03 524.92		640.00	5,260.13 3,586.96	(1,805.65)		7,369.87 6,540.11
8830-1812	DIST- DAMAGE & FAILURE BLANKET	332.86	150.00	256.00	040.00	600.03		-	1,338.89
8830-1812	DIST- DAMAGE & FAILURE BLANKET	254.79	48.39	250.00		433.68			736.86
8830-1812	DIST- DAMAGE & FAILURE BLANKET	160.92	147.44			298.82			607.18
8830-1812	DIST- DAMAGE & FAILURE BLANKET		87.85						87.85
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,807.58	573.11			6,927.86		-	9,308.55
8830-1812	DIST- DAMAGE & FAILURE BLANKET	575.46	59.12	380.00		1,912.26		-	2,926.84
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,772.48	698.79	604.00		9,417.85		-	13,493.12
	DIST- DAMAGE & FAILURE BLANKET	231.60	38.12			519.46		-	789.18
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	100.26 401.04	63.48			288.80 1,315.35			389.06 1,779.87
8830-1812	DIST- DAMAGE & FAILURE BLANKET	808.32	2.84		531.00	3,064.57		-	4,406.73
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,669.07	318.14	405.00		5,850.88		-	8,243.09
8830-1812	DIST- DAMAGE & FAILURE BLANKET	175.79	75.94			825.55		-	1,077.28
8830-1812	DIST- DAMAGE & FAILURE BLANKET	3,535.60	285.95	5.00		12,083.39		-	15,909.94
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,098.85	113.25	256.00		3,766.10		-	5,234.20
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,510.59	38.32			5,126.07		-	6,674.98
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,003.73	412.69	330.00		3,578.18			5,324.60
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	708.91 1,855.51	301.29 411.82	380.00		2,529.20 5,315.38		-	3,539.40 7,962.71
8830-1812	DIST- DAMAGE & FAILURE BLANKET	851.31	42.40	380.00		2,897.93			3,791.64
8830-1812	DIST- DAMAGE & FAILURE BLANKET	767.28	782.67	1,935.00		2,936.59			6,421.54
8830-1812	DIST- DAMAGE & FAILURE BLANKET	764.66	1,822.04	3,380.85		3,228.22			9,195.77
8830-1812	DIST- DAMAGE & FAILURE BLANKET	200.52	78.65			712.54			991.71
8830-1812	DIST- DAMAGE & FAILURE BLANKET	538.38	388.82			1,990.59			2,917.79
8830-1812	DIST- DAMAGE & FAILURE BLANKET	307.80	134.63			893.65			1,336.08
8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,759.55	51.20	329.71		9,429.63			12,570.09
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	268.20 100.26	110.32 108.54			826.92 386.45		-	1,205.44 595.25
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,788.45	474.00	832.00		6,108.73	(8,033.71)		1,169.47
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,244.92	474.00	032.00		2,404.39	(0,055.71)		3,649.31
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,097.38	216.18		237.50	3,640.10		-	5,191.16
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,009.63	16.62			2,995.75		-	4,022.00
8830-1812	DIST- DAMAGE & FAILURE BLANKET	283.34	121.45			833.79		-	1,238.58
8830-1812	DIST- DAMAGE & FAILURE BLANKET	953.85	271.49	25.00	380.00	3,344.69		-	4,975.03
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,706.30	122.07			3,968.33			5,796.70
8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	882.09	20.22		200.00	8.82		-	911.13
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,256.76 701.82	80.30 109.66		380.00	35.02 47.83		-	1,752.08 859.31
8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,588.44	353.43	7,384.00		154.16		-	10,480.03
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,758.60	409.20	,		178.48		-	2,346.28
8830-1812	DIST- DAMAGE & FAILURE BLANKET	100.26	90.66					-	190.92
8830-1812	DIST- DAMAGE & FAILURE BLANKET	252.00	54.16			23.63		-	329.79
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,519.65	118.86	384.00		51.85		-	2,074.36
8830-1812	DIST- DAMAGE & FAILURE BLANKET	3,026.05	110.28	32.00	440.00	142.91		-	3,751.24
8830-1812	DIST- DAMAGE & FAILURE BLANKET	254.16	94.64			41.27		-	390.07
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	160.92 2,484.96	89.79 28,962.98		357.50	39.17 7,892.34		-	289.88 39,697.78
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	2,404.90	339.84	1,522.20	337.30	1,032.34		-	1,862.04
8830-1812	DIST- DAMAGE & FAILURE BLANKET	647.39	487.05	85.47				-	1,219.91
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,424.90	731.51					-	2,156.41
8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,944.37	542.16	385.00		396.83		-	4,268.36
8830-1812	DIST- DAMAGE & FAILURE BLANKET	563.21							563.21
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,137.61	111.00	380.00		123.42			1,752.03
8830-1812	DIST- DAMAGE & FAILURE BLANKET	758.58	262.70			92.36			1,113.64
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	3,843.21	177.47 1.20			9,723.64		_	177.47 13,568.05
8830-1812	DIST- DAMAGE & FAILURE BLANKET	3,043.21	5.99			J,, 23.04		-	5.99
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,349.87	87.15		593.75	227.56			2,258.33
8830-1812	DIST- DAMAGE & FAILURE BLANKET	5,090.91	-		-	-			5,090.91
8830-1812	DIST- DAMAGE & FAILURE BLANKET	335.69	68.70			29.40			433.79
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,298.08	821.61						2,119.69
8830-1812	DIST- DAMAGE & FAILURE BLANKET	95.91	90.33		2 222	23.77		4	210.01
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	3,166.89	357.80	4,190.45	3,362.25	5,008.40 23.77		150.00	16,235.79
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	100.26 191.82	90.33 187.32			49.29			214.36 428.43
8830-1812	DIST- DAMAGE & FAILURE BLANKET	797.79	110.58			73.23			908.37
		107.28	99.32			186.88		-	393.48
8830-1812	DIST- DAMAGE & FAILURE BLANKET		103.47			373.60		-	677.59
8830-1812 8830-1812		200.52	91.60			1,517.63		-	2,457.97
	DIST- DAMAGE & FAILURE BLANKET	200.52 848.74		200.00		1,336.06		-	2,547.93
8830-1812 8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	848.74 671.37	160.50	380.00					
8830-1812 8830-1812 8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	848.74 671.37 50.13	160.50 45.96			99.41		-	195.50
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	848.74 671.37	160.50	380.00		3,280.78			195.50 5,729.11
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	848.74 671.37 50.13 1,736.71	160.50 45.96 331.62			3,280.78 0.00		- - 1,200.00	5,729.11 -
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	848.74 671.37 50.13 1,736.71 1,400.87	160.50 45.96 331.62 317.88	380.00		3,280.78 0.00 2,566.86		1,200.00	5,729.11 - 4,285.61
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	848.74 671.37 50.13 1,736.71	160.50 45.96 331.62	380.00		3,280.78 0.00		- - 1,200.00 -	5,729.11 -
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	848.74 671.37 50.13 1,736.71 1,400.87 1,677.68	160.50 45.96 331.62 317.88 47.61	380.00		3,280.78 0.00 2,566.86 2,934.90		1,200.00 -	5,729.11 - 4,285.61 4,660.19
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	848.74 671.37 50.13 1,736.71 1,400.87 1,677.68 389.34 215.28 526.34	160.50 45.96 331.62 317.88 47.61	380.00		3,280.78 0.00 2,566.86 2,934.90 711.80 375.00 3,250.43		1,200.00 - 4,750.00	5,729.11 - 4,285.61 4,660.19 1,185.47 590.28 14,879.10
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	848.74 671.37 50.13 1,736.71 1,400.87 1,677.68 389.34 215.28	160.50 45.96 331.62 317.88 47.61 84.33	380.00 (1,200.00)	2,893.05	3,280.78 0.00 2,566.86 2,934.90 711.80 375.00		-	5,729.11 - 4,285.61 4,660.19 1,185.47 590.28

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8830-1812	DIST- DAMAGE & FAILURE BLANKET	874.73	181.00	51.33		1,603.27	100.26	2,810.59
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,439.69	101.00	1,884.25		3,119.81	100.20	6,443.75
8830-1812	DIST- DAMAGE & FAILURE BLANKET		104.25	1,004.23				
		710.12	104.25			1,278.56		2,092.93
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,311.57		824.00		2,572.99		4,708.56
8830-1812	DIST- DAMAGE & FAILURE BLANKET	810.98	440.62	4,657.34		3,298.11		9,207.05
8830-1812	DIST- DAMAGE & FAILURE BLANKET	340.61	112.93			632.60		1,086.14
8830-1812	DIST- DAMAGE & FAILURE BLANKET	604.89	95.06			1,369.50		2,069.45
8830-1812	DIST- DAMAGE & FAILURE BLANKET		73.00			629.59		
		361.44	73.00					1,064.03
8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,223.54		760.00		5,063.34	•	8,046.88
8830-1812	DIST- DAMAGE & FAILURE BLANKET	50.13	339.84	3,885.17		1,106.71		5,381.85
8830-1812	DIST- DAMAGE & FAILURE BLANKET	3,679.82	637.18			6,856.23	-	11,173.23
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,599.92	760.00	6,500.98	8,316.24	8,786.88		25,964.02
			,00.00		0,510.21			
8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,813.47		3,554.87		9,971.22	-	16,339.56
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,608.10	550.38	405.00		5,356.97	•	7,920.45
8830-1812	DIST- DAMAGE & FAILURE BLANKET	452.52	175.06	780.00		1,671.20	-	3,078.78
8830-1812	DIST- DAMAGE & FAILURE BLANKET		90.33			35.99		126.32
8830-1812	DIST- DAMAGE & FAILURE BLANKET	401.04	250.12	380.00		1,503.34		2,534.50
8830-1812	DIST- DAMAGE & FAILURE BLANKET	402.04	182.49	500.00		89.95		272.44
8830-1812	DIST- DAMAGE & FAILURE BLANKET	107.28	118.02			380.20	•	605.50
8830-1812	DIST- DAMAGE & FAILURE BLANKET		188.19			92.76		280.95
8830-1812	DIST- DAMAGE & FAILURE BLANKET	102.99	184.19			411.06	-	698.24
8830-1812	DIST- DAMAGE & FAILURE BLANKET	524.58				1,631.24	-	2,155.82
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,182.82		1,004.00		3,958.05		6,144.87
				_,				
8830-1812	DIST- DAMAGE & FAILURE BLANKET	466.40				1,450.32		1,916.72
8830-1812	DIST- DAMAGE & FAILURE BLANKET	690.52	522.31	403.75		2,545.99		4,162.57
8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,946.89				9,163.68		12,110.57
8830-1812	DIST- DAMAGE & FAILURE BLANKET	387.99				1,206.50		1,594.49
8830-1812	DIST- DAMAGE & FAILURE BLANKET	672.00	61.86			2,122.35		2,856.21
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,269.87	920.50			3,948.80		6,139.17
			520.50					
8830-1812	DIST- DAMAGE & FAILURE BLANKET	160.92				500.40		661.32
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,108.02	118.69	240.00		3,529.49		4,996.20
8830-1812	DIST- DAMAGE & FAILURE BLANKET			330.00		54.13		384.13
8830-1812	DIST- DAMAGE & FAILURE BLANKET	714.22				2,220.95		2,935.17
8830-1812	DIST- DAMAGE & FAILURE BLANKET	206.71	90.33			666.56		963.60
	DIST- DAMAGE & FAILURE BLANKET			200.00				
8830-1812		408.71	165.16	380.00		1,483.22		2,437.09
8830-1812	DIST- DAMAGE & FAILURE BLANKET	971.17				3,019.96		3,991.13
8830-1812	DIST- DAMAGE & FAILURE BLANKET	973.75	267.72			3,160.02		4,401.49
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,219.50	158.30			3,870.19		5,247.99
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,075.96	898.46			3,788.70		5,763.12
8830-1812	DIST- DAMAGE & FAILURE BLANKET	578.88	5,608.34	(112.00)		3,462.48	384.00	9,921.70
				(112.00)			364.00	
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,862.51	703.00		445.81	3,140.13	-	6,151.45
8830-1812	DIST- DAMAGE & FAILURE BLANKET	702.24	349.50	3,092.75	4,846.60	4,616.31	1,100.00	14,707.40
8830-1812	DIST- DAMAGE & FAILURE BLANKET	102.99		712.36		476.46		1,291.81
8830-1812	DIST- DAMAGE & FAILURE BLANKET		52.60			13.84		66.44
8830-1812	DIST- DAMAGE & FAILURE BLANKET		32.00	3,730.50		817.96		4,548.46
				3,/30.50				
8830-1812	DIST- DAMAGE & FAILURE BLANKET	929.03	90.33			1,380.77	•	2,400.13
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,168.48				1,706.75	÷	2,875.23
8830-1812	DIST- DAMAGE & FAILURE BLANKET	3,372.44	865.00	1,514.15	5,275.58	6,267.11		17,294.28
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,737.39	593.28			2,697.36		5,028.03
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,040.20	57.56			1,534.86		2,632.62
8830-1812	DIST- DAMAGE & FAILURE BLANKET	421.24	168.92			684.72		1,274.88
8830-1812	DIST- DAMAGE & FAILURE BLANKET	4,199.71	879.35	21,125.44		10,025.51	-	36,230.01
8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,017.62	435.51	15.00	380.00	3,130.38		5,978.51
8830-1812	DIST- DAMAGE & FAILURE BLANKET	200.52	12.56	380.00		412.01	-	1,005.09
8830-1812	DIST- DAMAGE & FAILURE BLANKET		93.01			25.02		118.03
8830-1812	DIST- DAMAGE & FAILURE BLANKET	767.87	401.47			1,334.16	•	2,503.50
8830-1812	DIST- DAMAGE & FAILURE BLANKET	402.29				587.61		989.90
8830-1812	DIST- DAMAGE & FAILURE BLANKET	100.26	116.15			177.69		394.10
8830-1812	DIST- DAMAGE & FAILURE BLANKET			821.00		180.01		1,001.01
8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,772.17	145.79			4,087.53		7,005.49
8830-1812	DIST- DAMAGE & FAILURE BLANKET	405.26	63.77			956.84	-	1,425.87
8830-1812	DIST- DAMAGE & FAILURE BLANKET	150.39	135.41			384.47	-	670.27
8830-1812	DIST- DAMAGE & FAILURE BLANKET	67.05	365.58	(330.00)		212.00	330.00	644.63
8830-1812	DIST- DAMAGE & FAILURE BLANKET	100.26	136.45			268.47		505.18
8830-1812	DIST- DAMAGE & FAILURE BLANKET	977.77	56.53			2,164.21		3,198.51
	DIST- DAMAGE & FAILURE BLANKET			200.00				
8830-1812		554.69	27.30	380.00		1,377.20		2,339.19
8830-1812	DIST- DAMAGE & FAILURE BLANKET	225.59	158.74			565.06		949.39
8830-1812	DIST- DAMAGE & FAILURE BLANKET	732.79	9.10			1,702.22		2,444.11
8830-1812	DIST- DAMAGE & FAILURE BLANKET	107.28	91.15			272.83		471.26
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,076.85	76.41			2,518.03		3,671.29
8830-1812	DIST- DAMAGE & FAILURE BLANKET	4,355.74	958.11	25.00		10,395.08		15,733.93
							•	
8830-1812	DIST- DAMAGE & FAILURE BLANKET	339.87	117.57	380.00		1,001.31		1,838.75
8830-1812	DIST- DAMAGE & FAILURE BLANKET	834.33	73.00	(220.00)		1,926.90	220.00	2,834.23
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,814.19	1,115.97	390.00		3,838.14	-	7,158.30
8830-1812	DIST- DAMAGE & FAILURE BLANKET	3,140.24	(50.19)	(1,024.00)		7,127.52	1,024.00	10,217.57
8830-1812		2,405.84					-,	
	DIST- DAMAGE & FAILURE BLANKET		87.37	385.00		2,202.55		5,080.76
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,422.07				3,298.72		4,720.79
8830-1812	DIST- DAMAGE & FAILURE BLANKET	134.10	105.09			338.71		577.90
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,025.40	135.82			2,436.69		3,597.91
8830-1812	DIST- DAMAGE & FAILURE BLANKET	983.13				1,698.25	-	2,681.38
8830-1812	DIST- DAMAGE & FAILURE BLANKET	751.96	165.38			1,342.45	-	2,259.79
8830-1812				25.00				
	DIST- DAMAGE & FAILURE BLANKET	1,704.96	361.67	25.00		3,051.00	-	5,142.63
8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,129.43	780.31			3,883.68	-	6,793.42
8830-1812	DIST- DAMAGE & FAILURE BLANKET	784.73	92.60			1,355.54	-	2,232.87
8830-1812	DIST- DAMAGE & FAILURE BLANKET	951.92	84.58			1,680.55	-	2,717.05
8830-1812	DIST- DAMAGE & FAILURE BLANKET	802.08	85.25	3,819.46		1,422.00		6,128.79
			33.23	5,015.40	200.00			
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,515.19			380.00	2,779.96		4,675.15
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,507.27	608.29			2,748.08		4,863.64
8830-1812	DIST- DAMAGE & FAILURE BLANKET	702.24	107.58			1,213.05		2,022.87
8830-1812	DIST- DAMAGE & FAILURE BLANKET	200.52	331.00	380.00		509.00		1,420.52
8830-1812	DIST- DAMAGE & FAILURE BLANKET	398.77	198.43			688.83		1,286.03
				402.75				
8830-1812	DIST- DAMAGE & FAILURE BLANKET	922.06	95.55	403.75		1,806.45		3,227.81
8830-1812	DIST- DAMAGE & FAILURE BLANKET	238.12	70.42			411.33		719.87
8830-1812	DIST- DAMAGE & FAILURE BLANKET	543.79	85.54			975.95		1,605.28
8830-1812	DIST- DAMAGE & FAILURE BLANKET	561.96				502.68		1,064.64
8830-1812	DIST- DAMAGE & FAILURE BLANKET	67.05	54.75			139.26		261.06
8830-1812	DIST- DAMAGE & FAILURE BLANKET	611.82	161.36			1,125.91		1,899.09
				200 00				
8830-1812	DIST- DAMAGE & FAILURE BLANKET	739.43	19.02	380.00		1,342.25		2,480.70
8830-1812	DIST- DAMAGE & FAILURE BLANKET	996.18	505.76	405.00		1,731.50		3,638.44
8830-1812	DIST- DAMAGE & FAILURE BLANKET	605.63				1,046.17		1,651.80
8830-1812	DIST- DAMAGE & FAILURE BLANKET	205.65	150.33			419.57		775.55
8830-1812	DIST- DAMAGE & FAILURE BLANKET	239.77	149.98	380.00		414.18		1,183.93
				360.00				
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,870.98	63.48			3,231.94		5,166.40
8830-1812			128.47			2,544.42		4,114.04
0030-1012	DIST- DAMAGE & FAILURE BLANKET	1,441.15	120.47					
8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	1,441.15 1,790.07	362.77		5.00			2,157.84

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8830-1812	DIST- DAMAGE & FAILURE BLANKET	-		403.75		3,249.56				3,653.31
8830-1812	DIST- DAMAGE & FAILURE BLANKET	325.33								325.33
8830-1812	DIST- DAMAGE & FAILURE BLANKET		88.86			561.97				650.83
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	536.52	274.80		380.00	026.70				536.52
8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	1,127.92	274.60		360.00	926.78 1,948.37				1,581.58 3,076.29
8830-1812	DIST- DAMAGE & FAILURE BLANKET	(100.26)	73.00			1,540.57			100.26	73.00
8830-1812	DIST- DAMAGE & FAILURE BLANKET	(0.01)							3,417.77	3,417.76
8830-1812	DIST- DAMAGE & FAILURE BLANKET		107.62	5.00		48.19				160.81
8830-1812	DIST- DAMAGE & FAILURE BLANKET		154.91			66.57				221.48
8830-1812	DIST- DAMAGE & FAILURE BLANKET	636.89	356.39							993.28
8830-1812	DIST- DAMAGE & FAILURE BLANKET	131.34	41.91							173.25
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	644.56 107.28	134.39 102.25							778.95 209.53
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET	50.13	75.31							125.44
8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,542.76	518.72	5,351.72						8,413.20
8830-1812	DIST- DAMAGE & FAILURE BLANKET	170.05		-,						170.05
8830-1812	DIST- DAMAGE & FAILURE BLANKET	451.17	107.54							558.71
8830-1812	DIST- DAMAGE & FAILURE BLANKET	2,186.64	1,226.82	522.50						3,935.96
8830-1812	DIST- DAMAGE & FAILURE BLANKET	568.95								568.95
8830-1812	DIST- DAMAGE & FAILURE BLANKET	1,318.71	119.60							1,438.31
8830-1812	DIST- DAMAGE & FAILURE BLANKET	918.88								918.88
8830-1812 8830-1812	DIST- DAMAGE & FAILURE BLANKET DIST- DAMAGE & FAILURE BLANKET	1,139.66 434.91								1,139.66 434.91
8830-1812	DIST- DAMAGE & FAILURE BLANKET	503.53								503.53
8830-1812	DIST- DAMAGE & FAILURE BLANKET	303.33		2,627.20						2,627.20
8830-1813	DIST- ASSET REPLACEMENT BLANKET	2,812.15	2,390.85	1,153.89		9,822.55			-	16,179.44
8830-1813	DIST- ASSET REPLACEMENT BLANKET	4,882.41	2,158.22	1,781.50		15,587.38			-	24,409.51
8830-1813	DIST- ASSET REPLACEMENT BLANKET	3,459.39				9,105.69				12,565.08
8830-1813	DIST- ASSET REPLACEMENT BLANKET	401.04				1,155.21				1,556.25
8830-1813 8830-1813	DIST- ASSET REPLACEMENT BLANKET	1,366.68	145.56	165.00		2,704.06			-	4,381.30
8830-1813 8830-1813	DIST- ASSET REPLACEMENT BLANKET DIST- ASSET REPLACEMENT BLANKET	250.65	2,540.63 340.10	55,216.82 596.00		15,709.03 911.65			_	73,466.48 2,098.40
8830-1813	DIST- ASSET REPLACEMENT BLANKET	451.17	2,459.68	21,671.51		4,093.38	(2,459.68)			26,216.06
8830-1813	DIST- ASSET REPLACEMENT BLANKET	-/31.1/	2,-33.00	21,071.31		1.43	(2,433.00)		-	20,210.00
8830-1813	DIST- ASSET REPLACEMENT BLANKET	1,618.68	255.00			349.29			-	2,222.97
8830-1813	DIST- ASSET REPLACEMENT BLANKET	58.44								58.44
8830-1813	DIST- ASSET REPLACEMENT BLANKET	253.24				451.87				705.11
8830-1813	DIST- ASSET REPLACEMENT BLANKET	442.07		26.16		1,381.83			-	1,850.06
8830-1813	DIST- ASSET REPLACEMENT BLANKET	2,304.89		3,012.70		5,987.09				11,304.68
8830-1813 8830-1813	DIST- ASSET REPLACEMENT BLANKET DIST- ASSET REPLACEMENT BLANKET	651.69	60.36	6,878.15		2,988.71			600.00	11,178.91
8830-1813 8830-1813	DIST- ASSET REPLACEMENT BLANKET DIST- ASSET REPLACEMENT BLANKET	265.63 1,924.56	165.21 492.72	(330.00)		528.54 4,593.94			330.00	959.38 7,011.22
8830-1813	DIST- ASSET REPLACEMENT BLANKET	1,215.39	56.17	(330.00)		1,790.38			-	3,061.94
8830-1813	DIST- ASSET REPLACEMENT BLANKET	940.54	83.64			_,			383.64	1,407.82
8830-1813	DIST- ASSET REPLACEMENT BLANKET	0.00				1,660.49				1,660.49
8830-1813	DIST- ASSET REPLACEMENT BLANKET			-		0.00				0.00
8830-1813	DIST- ASSET REPLACEMENT BLANKET			427.06		147.22	(406.30)			167.98
8830-1813	DIST- ASSET REPLACEMENT BLANKET	7,735.79				711.64				8,447.43
8830-1813	DIST- ASSET REPLACEMENT BLANKET	411.98		4,383.72		1,223.34			224.04	6,019.04
8830-1813	DIST- ASSET REPLACEMENT BLANKET	884.11				381.81			221.04	1,486.96
8830-1813 8830-1813	DIST- ASSET REPLACEMENT BLANKET DIST- ASSET REPLACEMENT BLANKET	487.00 233.76								487.00 233.76
8830-1814	DIST- ASSET REPEACEMENT BEARRET DIST- 3RD PARTY ATTACHMENT BLANKET	233.70			_	0.00	-			0.00
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET	-			_	(0.00)	_		_	(0.00)
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET	1,691.80		43.33	485.19	2,449.97	(1,270.00)		361.10	3,761.39
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET	5,642.47		1,802.33	1,018.57	8,724.46	(37,304.05)		-	(20,116.22)
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET	1,068.06	1,200.49	201.42	1,771.25	763.96	(15,591.86)	9.83		(10,576.85)
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET				-	(0.00)	-			(0.00)
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET	210.01	5.36	98.92	2,888.42	918.53	(1,222.76)			2,898.48
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET	-		370.30	276.00	(0.00)	(250.20)	25.07	-	(0.00)
8830-1814 8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET DIST- 3RD PARTY ATTACHMENT BLANKET	595.14		270.03	376.00 512.88	1,072.57 204.58	(359.20) (312.10)	25.87	-	2,080.68 675.39
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET			440.31	376.00	212.81	(453.40)	7.32		583.04
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET	75.19	13.89	1,180.45	335.74	525.20	(473.90)	0.66		1,657.23
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET	100.26		2,224.69	670.11	601.17	(1,039.68)	8.36	-	2,564.91
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET	22.57	57.14	1,226.30	229.48	557.70	(2,520.84)		-	(427.65)
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET			3,128.78	211.18	344.65	(1,018.60)	13.07		2,679.08
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET			3,686.70	970.14	130.84	(992.57)			3,795.11
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET	357.80	73.44	3,231.44	135.17	1,574.95	(2,431.35)	2.96		2,944.41
8830-1814 8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET DIST- 3RD PARTY ATTACHMENT BLANKET				158.41	25.98 25.98				184.39 25.98
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET	997.06		925.72	1,068.88	145.77	(1,253.13)	0.16		1,884.46
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET			508.92	795.14	145.77	(1,201.81)	1.39		249.41
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET			212.67	491.37	46.63	(2,390.93)			(1,640.26)
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET			141.42	365.17	31.01	(312.10)			225.50
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET				120.17		(736.00)			(615.83)
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET				1,030.17		(2,525.80)			(1,495.63)
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET DIST- 3RD PARTY ATTACHMENT BLANKET				468.92		(924.40)			(455.48)
8830-1814 8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET				332.51		(359.20) (9,072.70)			(26.69) (9,072.70)
8830-1814 8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET						(8,837.20)			(8,837.20)
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET						(312.10)			(312.10)
8830-1815	Misc. Capital Equipment			31,695.50		6,164.34	(=====0)			37,859.84
8830-1815	Misc. Capital Equipment			68,627.50		15,047.50				83,675.00
8830-1815	Misc. Capital Equipment			9,475.00						9,475.00
8830-1818	Rt 12 Road Widening, Walpole/Charlestown	17,397.75	336,803.07	587,661.23	27,721.26	270,441.59		3,551.50	100,000.00	1,343,576.40
8830-1819	IE-NN DIST TRANSFORMER UPGRADES	996.59	129.56			1,898.03			-	3,024.18
8830-1819 8830-1819	IE-NN DIST TRANSFORMER UPGRADES IE-NN DIST TRANSFORMER UPGRADES	813.55 785.74	35.65 6.58	227.50		1,735.01				2,584.21
8830-1819 8830-1819	IE-NN DIST TRANSFORMER UPGRADES IE-NN DIST TRANSFORMER UPGRADES	785.74 370.12	6.58	237.50		1,752.12 642.18		4.06	-	2,781.94 1,016.36
8830-1819	IE-NN DIST TRANSFORMER UPGRADES	550.58	229.01	(330.00)		1,373.07		4.00	330.00	2,152.66
8830-1819	IE-NN DIST TRANSFORMER UPGRADES	491.31	123.55	,550.00)		1,243.48			330.00	1,858.34
8830-1819	IE-NN DIST TRANSFORMER UPGRADES	401.04	181.51	360.00		1,132.08				2,074.63
8830-1819	IE-NN DIST TRANSFORMER UPGRADES	691.83	181.96	360.00		1,654.06			-	2,887.85
8830-1819	IE-NN DIST TRANSFORMER UPGRADES	1,007.93	229.16			2,283.39			-	3,520.48
8830-1819	IE-NN DIST TRANSFORMER UPGRADES	180.54				263.71			-	444.25
8830-1819	IE-NN DIST TRANSFORMER UPGRADES	545.58	289.83	(384.00)		1,287.21			384.00	2,122.62
8830-1819	IE-NN DIST TRANSFORMER UPGRADES	545.44				796.70				1,342.14
8830-1819 8830-1819	IE-NN DIST TRANSFORMER UPGRADES	175.32 116.88				302.85				478.17 116.88
0030-1013	IE-NNI DIST TRANSCORACE LIBORA DEC									116.88
8830-1819	IE-NN DIST TRANSFORMER UPGRADES IF-NN DIST TRANSFORMER UPGRADES									116 90
8830-1819 8830-1819	IE-NN DIST TRANSFORMER UPGRADES IE-NN DIST TRANSFORMER UPGRADES IE-NN DIST TRANSFORMER UPGRADES	116.88 77.92								116.88 77.92
	IE-NN DIST TRANSFORMER UPGRADES	116.88		35,063.24		12,269.97				
8830-1819	IE-NN DIST TRANSFORMER UPGRADES IE-NN DIST TRANSFORMER UPGRADES	116.88		35,063.24 6,728.80		12,269.97 490.55				77.92

8830-1821	DISTR- RELIABILITY BLANKET	884.16		11.99		1,289.77			442.07	2,627.99
	DISTR- RELIABILITY BLANKET	004.10							442.07	
8830-1821				4,860.00		1,580.37				6,440.37
8830-1821	DISTR- RELIABILITY BLANKET	3,589.89	4,091.28	800.00		9,775.18				18,256.35
8830-1821	DISTR- RELIABILITY BLANKET	350.76				610.99				961.75
8830-1821	DISTR- RELIABILITY BLANKET	663.08							221.04	884.12
8830-1823	Distributed Generation Blanket					0.00				0.00
		-								
8830-1823	Distributed Generation Blanket	-				0.00	-		-	0.00
8830-1823	Distributed Generation Blanket	-				(0.00)	-			(0.00)
8830-1823	Distributed Generation Blanket	_				(0.00)	_			(0.00)
8830-1823										
	Distributed Generation Blanket	-				(0.00)	-			(0.00)
8830-1823	Distributed Generation Blanket	1,124.70	8.98	427.50		3,492.66	(3,633.06)		-	1,420.78
8830-1823	Distributed Generation Blanket						-			-
8830-1823	Distributed Generation Blanket					0.00				0.00
				-			-			
8830-1823	Distributed Generation Blanket	-				0.00	-			0.00
8830-1823	Distributed Generation Blanket	-				0.00	-			0.00
8830-1823	Distributed Generation Blanket	0.00				(0.00)	_		-	(0.00)
8830-1823	Distributed Generation Blanket	-								
		-				0.00	-			0.00
8830-1823	Distributed Generation Blanket						-			-
8830-1823	Distributed Generation Blanket	180.55				418.82	(500.00)			99.37
8830-1823	Distributed Generation Blanket						, , , , , , , , , , , , , , , , , , , ,			
8830-1823	Distributed Generation Blanket	4,422.77	2,137.20	836.61		7,249.13	(18,533.77)		-	(3,888.06)
8830-1823	Distributed Generation Blanket						(250.00)			(250.00)
8830-1823	Distributed Generation Blanket	482.75				833.90	(500.00)			816.65
	Distributed Consention Displica									
8830-1823	Distributed Generation Blanket						(250.00)			(250.00)
8830-1823	Distributed Generation Blanket						(250.00)			(250.00)
8830-1823	Distributed Generation Blanket						(500.00)			(500.00)
8830-1823	Distributed Generation Blanket						(250.00)			(250.00)
8830-1823	Distributed Generation Blanket						(250.00)			(250.00)
8830-1824	LED Street Light Conversion	16,855.25	50,844.29	1,863.91		71,218.70	(11,118.20)	1,616.92	512.00	131,792.87
8830-1825	IT SYSTEMS & EQUIPMENT BLANKET 2018	77.61				107.58			-	185.19
8830-1825	IT SYSTEMS & EQUIPMENT BLANKET 2018			18,616.50				345.63		18,962.13
						4 707 01		545.03		
8830-1825	IT SYSTEMS & EQUIPMENT BLANKET 2018			10,962.38		1,797.91				12,760.29
8830-1826	TRANSPORTATION FLEET & EQUIPMENT			135,941.08						135,941.08
8830-1826	TRANSPORTATION FLEET & EQUIPMENT			66,658.79		25,207.39				91,866.18
8830-1826	TRANSPORTATION FLEET & EQUIPMENT			284,052.60		103,275.10				387,327.70
8830-1826	TRANSPORTATION FLEET & EQUIPMENT			7,090.00		3,034.15				10,124.15
8830-1826	TRANSPORTATION FLEET & EQUIPMENT			61,800.00		26,447.10				88,247.10
8830-1826	TRANSPORTATION FLEET & EQUIPMENT			64,974.23						64.974.23
8830-1826	TRANSPORTATION FLEET & EQUIPMENT			4,897.90						4,897.90
8830-1827	IT SYSTEMS CORPORATE ALLOCATIONS			35,033.00		13,252.21		960.39	20,000.00	69,245.60
8830-1827	IT SYSTEMS CORPORATE ALLOCATIONS			10,416.26						10,416.26
8830-1828	Misc Capital Imprvmnts GSE Facilities Salem	4,548.83		8,347.09		13,131.50			-	26,027.42
8830-1828	Misc Capital Imprvmnts GSE Facilities Salem			7,872.00						7,872.00
8830-1828	Misc Capital Imprymnts GSE Facilities Salem	737.27		11,047.65		1,094.80				12,879.72
									F 42 00	
8830-1828	Misc Capital Imprvmnts GSE Facilities Salem	4,566.74		1,074.56		7,888.60			542.08	14,071.98
8830-1829	Misc Capital Imprvmnts GSE Facilities Lebanon	1,006.72		13,127.14		1,683.59			-	15,817.45
8830-1829	Misc Capital Imprvmnts GSE Facilities Lebanon	678.73		10,170.43		1,007.87				11,857.03
8830-1830	Misc Capital Imprvmnts GSE Facilities Londonderry			12,253.34						12,253.34
8830-1830	Misc Capital Imprvmnts GSE Facilities Londonderry			1,391.10						1,391.10
8830-1830	Misc Capital Imprvmnts GSE Facilities Londonderry			34,575.26		9,646.21				44,221.47
8830-1830	Misc Capital Imprvmnts GSE Facilities Londond	159.36		2,387.95		236.64				2,783.95
		1,915.13								27,384.42
8830-1831	Misc Capital Imprvmnts GSE Facilities Charlesto			14,485.09		10,984.20			-	
8830-1832	Replace 6L2 direct buried cables No. Main St. H	29,536.22	114,587.62	820,841.52		327,286.46		3,341.48	0.00	1,295,593.30
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,220.75	1,391.55	845.00		2,575.07			-	6,032.37
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	2,968.44	288.04	380.00	2,003.58	7,193.51			_	12,833.57
				500.00						
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,834.12	101.77		632.35	3,299.03			-	5,867.27
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	(0.00)			-	0.00				(0.00)
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	(0.00)		_		(0.00)				(0.00)
			C40 C4	1 025 00	2 217 02					
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	3,035.34	640.64	1,035.00	2,217.92	7,009.31			-	13,938.21
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	97.62	16.02			182.16				295.80
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	447.32	106.08			939.79			-	1,493.19
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	390.64				603.26		59.80	_	1,053.70
		350.04						35.60		
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET				384.31	134.48				518.79
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	-				(0.00)			-	(0.00)
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	479.55		486.82	990.00	2,868.37				4,824.74
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	137.34	18.50							1,324.18
				-	565.66	602.68			-	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	870.19	112.11			1,508.93			-	2,491.23
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,032.44		85.00		2,024.65			-	3,142.09
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	0.00				(0.00)				(0.00)
			-		-				-	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	(0.00)	-			(0.00)				(0.00)
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	195.32				333.32			-	528.64
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	292.86	118.10			536.94			_	947.90
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	578.96				1,125.45				1,713.53
			9.12						-	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	100.26		180.00		210.01				490.27
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	225.56	36.47	180.00		442.81				884.84
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	-	-	_	270.00	-			_	270.00
				100.00	_, 0.00	25.27			-	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET			180.00		35.37				215.37
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	95.91		85.00	3,464.88	1,028.77			-	4,674.56
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	704.55	521.27	312.03	360.00	4,134.49			-	6,032.34
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	345.71	105.47		1,470.70	1,589.82				3,511.70
					1,4/0./0				-	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	(0.00)	(0.00)		-	0.00				0.00
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	53.64				78.35				131.99
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,049.23				2,837.13			-	3,886.36
			20.67		1 205 50				-	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,002.55	29.67	-	1,285.56	2,202.22			-	4,520.00
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	207.54	23.96		180.00	450.14			-	861.64
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	-				0.00			-	0.00
		295.58				874.40				1,169.98
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET									
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	191.82		1,048.92	1,785.65	1,167.45			-	4,193.84
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	383.64	41.70		1,072.10	1,060.04			-	2,557.48
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	250.64			514.59	794.27			0.00	1,559.50
					314.39				0.00	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	195.32				562.63				757.95
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET				360.00	70.74				430.74
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	383.64		465.00	2,514.67	1,431.66			-	4,794.97
				403.00					-	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,092.15	84.17		1,053.85	3,337.83			-	5,568.00
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	3,532.60	1,357.38	512.50		9,106.74			-	14,509.22
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	160.93	86.19		405.00	709.49			_	1,361.61
									-	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	-	(0.00)	-	-	(0.00)			-	(0.00)
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	125.32				423.88				549.20
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,043.09			518.89	3,014.52			_	4,576.50
		_,5.05		1 170 00						
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET			1,178.92	1,399.99	394.42				2,973.33
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	670.65	129.74	418.00	450.00	2,379.89				4,048.28
		592.62			612.61	1,589.05			-	2,794.28
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	352.02								
			104.08		516.84	858 62			-	1 9/5 10
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	365.65	104.08	200 00	516.84	858.62			-	1,845.19
			104.08 540.80	380.00	516.84 709.73	858.62 1,026.25			-	1,845.19 2,908.78
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	365.65		380.00					-	

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8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1.279.72	67.96	465.00		3.557.41	(4,017.34)	1,352.75
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	383.64	-		360.00	677.30	-	1,420.94
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	-	-	-	-	0.00	-	0.00
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	937.20	28.61			2,574.22	-	3,540.03
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET				3,487.98	612.55		4,100.53
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	293.59	109.66		419.13	1,004.21		1,826.59
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	561.20	51.90		497.05	1,172.18	-	2,282.33
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET			1,221.42	918.02	579.19		2,718.63
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	572.66	83.30	760.00	829.97	1,903.48		4,149.41
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	0.00				0.00		0.00
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	438.36				835.07		1,273.43
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	150.39	33.54			228.69		412.62
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	389.34	41.44		641.43	923.08	-	1,995.29
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET				3,567.28	748.04		4,315.32
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	526.83	77.96		458.35	1,286.68	-	2,349.82
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	375.98				549.17		925.15
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	757.04				1,713.12		2,470.16
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,032.35			225.00	2,358.31		3,390.66
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET				225.00	73.07		298.07
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,304.47	163.24	380.00		2,264.93	-	4,112.64
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	2,449.41		2,820.50		1,773.86	830.4	
8830-1837 8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET DIST- NEW BUSINESS RESIDENTIAL BLANKET	973.27 77.92		6.54		302.31 190.94	-	1,282.12 268.86
8830-1837 8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET DIST- NEW BUSINESS RESIDENTIAL BLANKET	400.80 1,151.25	412.07			915.89 2,843.33	-	1,316.69 4,406.65
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	4,242.90	2,137.33	581.50		8,900.26		15,861.99
			2,137.33	361.30			•	
8830-1837 8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET DIST- NEW BUSINESS RESIDENTIAL BLANKET	100.26 249.42	17.16			311.77 643.20		412.03 909.78
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	194.80	17.10			327.23	116.8	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	441.20	136.92	260.00		997.97	110.6	1,836.09
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	53.64	150.52	200.00		93.43	_	147.07
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,027.47	282.14	(330.00)		2,255.54	330.0	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,643.52	653.36	1,040.10		3,571.10	-	6,908.08
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	155.84	033.30	2,040.20		378.02		533.86
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	150.39	87.06		223.12	279.17		739.74
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	97.40	07.00		223.12	169.67		267.07
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	243.50				424.16		667.66
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	214.28				373.25		587.53
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	261.04				509.77	_	770.81
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	322.34				949.07	_	1,271.41
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET				661.51	108.49	_	770.00
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	720.76			001.31	1,670.83	_	2,391.59
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	368.52	96.70			1,193.62	_	1,658.84
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	384.64	78.33	380.00		514.89	-	1,357.86
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	519.12			75.00	1,626.56		2,220.68
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	623.36				1,938.40	-	2,561.76
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	698.30	127.54			2,234.31	-	3,060.15
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	221.04				371.05	-	592.09
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	175.65				546.20	-	721.85
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	328.40				527.87	-	856.27
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	395.46				723.52		1,118.98
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	194.56				605.00	-	799.56
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	77.92				242.30		320.22
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET		747.38			201.16		948.54
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,967.00	960.62	465.50		5,464.52	-	8,857.64
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	-				0.00	-	0.00
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	-					-	-
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	202.31				629.11		831.42
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,102.20				3,269.11		4,371.31
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	(0.00)	351.73	85.47		169.26	1,038.2	1,644.70
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET		62.05			16.33		78.38
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	205.99				640.54		846.53
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	2,240.59	32.34			5,056.20	-	7,329.13
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	519.12	419.83	80.45		1,832.57		2,851.97
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,190.51	16.73	380.00		3,214.20	-	4,801.44
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET		-			-		-
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,309.20	688.84			2,097.62		4,095.66
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	102.99				320.26		423.25
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	102.99				320.26		423.25
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	292.20				458.93		751.13
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	974.00				1,751.96	-	2,725.96
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	200.52	21.44			470.91	-	692.87
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	136.36				295.54		431.90
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET DIST- NEW BUSINESS RESIDENTIAL BLANKET	457.78	35.75 58.47	380.00		735.59	200.5	
8830-1837		80.46	26.47			133.26		272.19 719.01
8830-1837 8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET DIST- NEW BUSINESS RESIDENTIAL BLANKET	292.20 467.52				426.81 984.08		/19.01 1,451.60
8830-1837 8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	407.32		1,263.99		984.08 277.15		1,451.60
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	620.38	93.64	1,203.33		1,024.25		1,738.27
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	617.96	322.39	8.18		1,219.32	1,168.3	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	38.96		0.10		56.91	1,100.5	95.87
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	194.80		1,023.64		224.45		1,442.89
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,345.00		,		1,864.39	519.1	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	617.96				655.72	-	1,273.68
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	767.28		1,518.92		1,658.45		3,944.65
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	601.20		,		1,038.51	_	1,639.71
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	194.80				351.46		546.26
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	812.20	71.68			632.62		1,516.50
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	967.56	63.15	760.00		2,507.74		4,298.45
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	211.05				489.57		700.62
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	0.00				(0.00)		0.00
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	38.96				90.37		129.33
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	97.40				202.86		300.26
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	261.18				605.85		867.03
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	282.46				534.06		816.52
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	389.60				519.17	-	908.77
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	58.44				135.56		194.00
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	360.47		1,708.35		622.68	-	2,691.50
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	191.82	89.26			354.82	-	635.90
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	208.83				395.35	-	604.18
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	205.99		341.67		502.04	-	1,049.70
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	77.92				180.74		258.66
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	58.44				112.49	-	170.93
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	258.96		380.00	380.00	481.94	175.4	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	390.72				177.90	-	568.62

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8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	313.27				355.82			_	669.09
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	642.25	170.68			1,182.47			-	1,995.40
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	38.96				67.30			_	106.26
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	103.00	73.00			468.95			350.91	995.86
	DIST- NEW BUSINESS RESIDENTIAL BLANKET	389.60	73.00			673.00			330.51	1,062.60
8830-1837						6/3.00			-	
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	53.64								53.64
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	483.90				173.19				657.09
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,131.00				568.18				1,699.18
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	125.99				217.63				343.62
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	487.00				841.25				1,328.25
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	136.36	51.08	760.00		257.40			300.78	1,505.62
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	102.99	32.00	700.00		177.90			500.70	280.89
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	102.99				177.90			150.39	431.28
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	3,339.46	1,279.35			6,316.08				10,934.89
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	250.50				86.54				337.04
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	406.51	73.00			733.45				1,212.96
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	603.88	75.00						19.48	
						67.30				690.66
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	38.96				67.30			272.72	378.98
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	128.74				222.39				351.13
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	128.74				222.39				351.13
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	875.44				978.51			154.49	2,008.44
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	411.98				355.82			205.99	973.79
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	306.25				355.82			203.33	662.07
						333.02				
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	300.78	48.82						102.99	452.59
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	383.64	26.43		1,650.17				200.52	2,260.76
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	-							200.52	200.52
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	300.78	54.75	240.00						595.53
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	409.08								409.08
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	1,102.86		760.00						1,862.86
				700.00						
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	402.71								402.71
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	287.73								287.73
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	107.28								107.28
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	383.64								383.64
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	200.52			800.17					1,000.69
					800.17					
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	38.96								38.96
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	343.72								343.72
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	116.88								116.88
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	205.99								205.99
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET	51.50								51.50
		31.50			2 027 70					
8830-1837	DIST- NEW BUSINESS RESIDENTIAL BLANKET				2,027.78					2,027.78
8830-1837	Replace 6L2 direct buried cables No. Main St. F	lanover	(4.74)							(4.74)
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	3,173.56			10.00	6,116.89	(27,698.15)		400.80	(17,996.90)
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	2,398.37		380.00		4,156.93			-	6,935.30
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	924.67	241.95	380.00		2,712.49	(1,224.15)		-	3,034.96
	DIST- NEW BUSINESS COMMERICAL BLANKET			300.00	382.50		(1,224.13)			
8830-1838		699.89	114.92			1,099.25			-	2,296.56
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	584.16	220.04	584.17	630.44	2,507.88			-	4,526.69
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	1,029.93				3,202.69				4,232.62
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	538.20				1,063.52		11.49	-	1,613.21
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	2,945.36		465.50		7,167.37			_	10,578.23
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	4,853.82	1,148.45	1,035.50		11,312.38				18,350.15
			1,140.43		245.00				440.00	
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	(0.01)		85.50	315.00	130.08			448.28	978.85
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	1,702.07				2,607.98			-	4,310.05
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	0.00				0.00				0.00
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	4,040.67	3,362.73	5,315.34	450.00	23,863.44	(24,249.02)		-	12,783.16
		.,	-,				(= :,= :=:==,			
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET			6.54	920.00	1,041.29				1,967.83
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	5,637.68		1,541.72	2,338.76	2,857.09			-	12,375.25
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	303.51		410.50	405.00	1,072.85			-	2,191.86
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	0.00		-		(0.00)			-	0.00
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET			900.00	2,188.83	620.65	(9,728.32)			(6,018.84)
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	515.28			1,979.05	2,277.47	(=): ==:==)			4,771.80
					1,575.03					
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	411.97				601.74				1,013.71
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	400.80				982.15		41.95	-	1,424.90
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	(6,472.51)	5,306.10	110.21	6,774.69	10,899.57			-	16,618.06
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	1,846.43	605.69		360.00	2,977.49			-	5,789.61
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	,				(0.00)				(0.00)
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	-	-		-	(0.00)			-	(0.00)
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	444.02				1,088.06				1,532.08
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET				4,309.55	842.45		80.40	-	5,232.40
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	2,893.52	918.47			1,157.21				4,969.20
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	6,026.68				14,689.87	(28,904.86)		_	(8,188.31)
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	5,193.95		3,090.00	450.00	10,123.83	(13,460.44)			5,397.34
				3,050.00	430.00					
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	618.93				1,993.14	(3,098.29)			(486.22)
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET				467.13	163.47				630.60
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	257.79			310.21	740.26				1,308.26
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	4,787.42	4,489.13	130.88	1,007.50	17,276.72			-	27,691.65
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET		-	487.50	5,000.86	1,178.53	(13,257.00)		_	(6,590.11)
		2 034 22	2 250 77				(13,237.00)		_	
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	2,934.32	2,250.77	465.00	2,058.57	7,260.29			-	14,968.95
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	150.39	81.08		849.22	767.82				1,848.51
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	2,292.44	751.20	380.00	1,316.55	7,916.20			-	12,656.39
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	1,418.25	367.79	85.00	3,142.08	3,488.12			-	8,501.24
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	1,978.68	402.44	877.50		4,059.25				7,317.87
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	1,338.91		85.50		3,177.44			_	4,601.85
				05.50			(0.000.00)			
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	1,128.94	362.86			2,345.77	(3,393.56)		-	444.01
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	252.00	75.39			469.00				796.39
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	601.20				695.25				1,296.45
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	447.37	11.16			1,117.40	(767.55)			808.38
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET			380.00		123.42	(/			503.42
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	592.56		300.00		349.29				941.85
					F02.02		(075.46)			
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	160.92			583.03	330.67	(875.18)		-	199.44
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	801.60				1,434.20			-	2,235.80
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	431.42	47.59			948.95	(791.20)		-	636.76
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	68.18				212.01	,		_	280.19
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	2,508.42						6.83		3,326.72
						811.47		0.00	-	
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	588.98				1,831.49			-	2,420.47
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	2,605.20			10.00	3,822.07			400.80	6,838.07
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET		290.58			147.12				437.70
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	353.64	210.11			742.91				1,306.66
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	1,268.40	585.26	88.77		2,564.17				4,506.60
							(2.525.52)			
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	2,699.61	634.82	380.00		4,932.00	(7,525.54)		-	1,120.89
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	370.12				1,150.93				1,521.05
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	400.80				1,246.34				1,647.14
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	3,280.22		85.50		5,670.81			400.80	9,437.33
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	3,092.86	2,604.67	56.68		1,358.67		5.72	-	7,118.60
				30.00				J Z	_	
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	831.68	46.56			1,966.12			-	2,844.36
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	2,564.04		102.00		4,541.13			136.36	7,343.53

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8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	1,210.29	46.73			757.58			801.60		2,816.20
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	1,073.28	28.56			1,751.55			-		2,853.39
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	100.26				232.57					332.83
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	2,132.57	224.68			266.87	(9,752.92)		-		(7,128.80)
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	4,008.97		2,260.00		6,389.51	(3,258.49)		1,939.34		11,339.33
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	400.80				692.35			-		1,093.15
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	377.92				90.37					468.29
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	1,534.56	441.71	380.00		2,813.42					5,169.69
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	601.20				346.17					947.37
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	514.96				889.54	(4,751.50)				(3,347.00)
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	4,148.55	1,818.14	508.14		7,162.17	(2,092.59)				11,544.41
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	350.70				605.80					956.50
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	857.61	106.91			1,527.19	(700.88)				1,790.83
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	(0.00)							535.36		535.36
8830-1838 8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET DIST- NEW BUSINESS COMMERICAL BLANKET	136.36							19.48		155.84 200.40
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET	200.40									
		1,202.40									1,202.40
8830-1838 8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET DIST- NEW BUSINESS COMMERICAL BLANKET	400.80 154.49									400.80 154.49
		154.49		652.40		902.15					
8830-1840	01757 NN ARP Breakers & Reclosers	170 22		653.40		892.15		67.63			1,545.55
8830-1840 8830-1840	01757 NN ARP Breakers & Reclosers 01757 NN ARP Breakers & Reclosers	178.32 268.45		653.40 673.20		1,196.46 1,377.31		67.63 78.24	-		2,095.81 2,397.20
8830-1843	Distribution Feeder Power Factor Correction	4,292.53		950.00		9,452.77		70.24			14,695.30
8830-1843	Distribution Feeder Power Factor Correction	2,357.67	2,394.44	330.00		15,793.87					20,545.98
8830-1843	Distribution Feeder Power Factor Correction	2,337.07	(11,884.00)			13,733.07					(11,884.00)
8830-1843	Distribution Feeder Power Factor Correction		3,358.90	12,000.00		6,523.15					21,882.05
8830-1845	Golden Rock Distribution Feeders		3,330.30	12,893.07		181.89		6.01			13,080.97
8830-1845	Golden Rock Distribution Feeders			3,709.54		181.89		6.01			3,897.44
8830-1846	Bare Conductor Replacement Program	13,055.86	86,612.91	104,271.60		44,551.72		1,691.31	35,000.00		285,183.40
8830-1846	Bare Conductor Replacement Program	27,077.14	96,006.75	356,836.09		173,163.25		1,045.95	0.00		654,129.18
8830-1847	IE - NN Recloser Installations	2,461.50	693.80	,		2,372.92		_,	-		5,528.22
8830-1850	NEN-NH Electric Fence FY10	270.96	033.00	29,508.00		6,714.95					36,493.91
8830-1851	Enhanced Bare Conductor Replacement			11,819.91		3,386.48		386.11			15,592.50
8830-1852	Repave Parking Lot - 9 Lowell Rd Salem			61,512.47		-,					61,512.47
8830-1852	Repave Parking Lot - 9 Lowell Rd Salem			114,517.00							114,517.00
8830-1853	Underperforming Feeder Program	215.28		,		669.43			_		884.71
8830-1854	Install Mt. Support 16L2-16L3 Feeder Tie	3,793.73				6,807.09		110.63	_		10,711.45
8830-1855	Fence Installation - 407 Miracle Mile Lebanon I	2,360.44		190,801.16		12.568.18			_		205,729.78
8830-1855	Fence Installation - 407 Miracle Mile Lebanon I	2,926.00		93,690.40		24,464.64			_		121,081.04
8830-1856	INSTALL 13L2-9L3 FEEDER TIE	1,853.86		10,122.57		6,101.19		295.97	_		18,373.59
8830-1858	Install Service to Tuscan Village Salem	31,602.80	50,441.08	146,597.30	8,346.67	240.115.63	(107,986.69)		495.08	(419.68)	369,192.19
8830-1858	Install Service to Tuscan Village Salem	100.26	,	256.00	-,	389.42	(==:,====)			(120100)	745.68
8830-1858	Install Service to Tuscan Village Salem	43,327.89	165,920.78	309,620.39	75,552.88	288,186.69			4,330.00	(43,293.49)	843,645.14
8830-1859	Reconductor Brookdale Road	3,923.58	90,016.30	574,214.84	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	210,775.26		4,307.91	110,697.50	(-,,	993,935.39
8830-1860	Extend Pelham 14L4 to Salem	3,571.44	183,196.49	517,664.09		182,089.61		8,486.42	102,931.50		997,939.55
8830-1864	Rockingham Sub Site Engineering	973.67	,	25,079.90	20,348.46	20,915.86		1,552.08	-		68,869.97
8830-1864	Rockingham Sub Site Engineering			1,500,000.00							1,500,000.00
8830-1865	Rockingham T-Line Engineering	188.54	(11,850.00)	143,979.51	7,912.50				243.41		140,473.96
8830-1865	Rockingham T-Line Engineering	823.94	, , , , , , ,								823.94
8830-1866	Salem Depot Getaways	38,617.24	262,428.63	561,015.25		386,943.73		7,316.25	100,000.00		1,356,321.10
8830-1865	Rockingham Substation Transmission Supply	3,763.44	200,000.00	132,504.00	29,947.28	79,620.84		5,499.82	9,785.42		461,120.80
8830-1865	Rockingham Substation Transmission Supply										
8830-1868	HENDRIX TRAILER			48,000.00							48,000.00
8830-1868 8830-1871	HENDRIX TRAILER ARCOS	6,076.73		48,000.00 24,729.80		20,282.79			-		48,000.00 51,089.32
8830-1871	ARCOS			24,729.80				1,943.75	-		51,089.32
8830-1871 8830-1873	ARCOS EAP - Cogsdale CIS System Modifications	3,307.90				20,282.79 24,431.17		1,943.75	-		51,089.32 168,498.10
8830-1871	ARCOS			24,729.80				1,943.75	-		51,089.32
8830-1871 8830-1873 8830-9851-EO 8830-9851-EO	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M	3,307.90		24,729.80			_	1,943.75	-		51,089.32 168,498.10
8830-1871 8830-1873 8830-9851-EO 8830-9851-EO 8830-9851-EO	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M	3,307.90		24,729.80			-	1,943.75	-		51,089.32 168,498.10
8830-1871 8830-1873 8830-9851-EO 8830-9851-EO	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M	3,307.90	10,678.91	24,729.80				1,943.75 1,171.40	-	(150,000.00)	51,089.32 168,498.10
8830-1871 8830-1873 8830-9851-EO 8830-9851-EO 8830-9851-EO 8830-9851-EO	ARCOS EAP - CogSdale CIS System Modifications ELECTRIC OPERATIONS O&M	3,307.90	10,678.91	24,729.80 138,815.28 -		24,431.17	-		- -	(150,000.00)	51,089.32 168,498.10 (53.64)
8830-1871 8830-1873 8830-9851-EO 8830-9851-EO 8830-9851-EO 8830-9851-EO 8830-1846	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program	3,307.90	10,678.91 413.22	24,729.80 138,815.28 - 151,542.47		24,431.17	:		- - - - (0.00)	(150,000.00) (676,039.86)	51,089.32 168,498.10 (53.64) - - - 88,728.10
8830-1871 8830-1873 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M BATE CONDUCTOR Replacement Program Bare Conductor Replacement Program	3,307.90 (53.64)		24,729.80 138,815.28 - 151,542.47 220.00		24,431.17 75,335.32	:		-		51,089.32 168,498.10 (53.64) - - - 88,728.10 220.00
8830-1871 8830-1873 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M BECTRIC OPERATIONS O&M Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program	3,307.90 (53.64)	413.22	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82		24,431.17 75,335.32 195,799.47	:		-	(676,039.86)	51,089.32 168,498.10 (53.64) - - - 88,728.10 220.00 52,666.01
8830-1871 8830-1873 8830-9851-EO 8830-9851-EO 8830-9851-EO 8830-9851-EO 8830-1846 8830-1846 8830-1846	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M BECETRIC OPERATIONS O&M Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program	3,307.90 (53.64) 2,293.36 4,666.89	413.22 3,948.86	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50		24,431.17 75,335.32 195,799.47 24,624.09	-	1,171.40	-	(676,039.86) (1,494.24)	51,089.32 168,498.10 (53.64) - - 88,728.10 220.00 52,666.01 38,701.10
8830-1871 8830-1873 8830-9851-EO 8830-9851-EO 8830-9851-EO 8830-9851-EO 8830-1846 8830-1846 8830-1846 8830-1846	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program Charlestown 32 Dline	3,307.90 (53.64) 2,293.36 4,666.89 244.13	413.22 3,948.86	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04	:	1,171.40	-	(676,039.86) (1,494.24)	51,089.32 168,498.10 (53.64) - - 88,728.10 220.00 52,666.01 38,701.10 354,738.70
8830-1871 8830-9851-EO 8830-9851-EO 8830-9851-EO 8830-9851-EO 8830-9851-EO 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BARE CONDUCTOR REPLACEMENT Program BARE CONDUCTOR PROGRAM BARE CONDUCTOR REPLACEMENT PROGRAM BARE CONDUCTOR PROGRAM BARE	2,293.36 4,666.89 244.13 3,499.95	413.22 3,948.86 231,830.42	24,729.80 138,815.28 151,542.47 220.00 530,199.82 6,955.50 389,914.44	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91	:	1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89)	51,089.32 168,498.10 (53.64) - - - 88,728.10 220.00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 (154.89)
8830-1871 8830-9851-EO 8830-9851-EO 8830-9851-EO 8830-9851-EO 8830-9851-EO 8830-1846 8830-1846 8830-1846 8830-18630 8830-C18630 8830-C18620 8830-C18620 8830-C18620 8830-C18750	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M BELECTRIC OPERATIONS O&M Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Charlestown 32 Dline Charlestown DSub Charlestown DSub	2,293.36 4,666.89 244.13 3,499.95	413.22 3,948.86 231,830.42	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84	-	1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89)	51,089.32 168,498.10 (53.64) - - 88,728.10 220.00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 (154.89) 903.84
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-18620 8830-18620 8830-18620 8830-18620 8830-18620 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M BECETRIC OPERATIONS O&M Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Charlestown 32 Dline Charlestown DSub	2,293.36 4,666.89 244.13 3,499.95	413.22 3,948.86 231,830.42	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44	:	1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89)	51,089.32 168,498.10 (53.64) - - - 88,728.10 220.00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 (154.89) 903.84 8,378.44
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-18630 8830-C18630 8830-C18630 8830-C18630 8830-C18630 8830-C18750 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program Charlestown 32 Dine Charlestown DSub Charlestown DSub Charlestown DSub Security Conversion GSE IE - NN Recloser Installations IE - NN Recloser Installations IE - NN Recloser Installations	2,293.36 4,666.89 244.13 3,499.95	413.22 3,948.86 231,830.42 (1,545.00)	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89)	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (303.84)		1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89)	51,089,32 168,498.10 (53.64) (53.64) 220.00 52,666.01 38,701.10 4,615.57 140,657.39 (154.89) 903.84 8,378.44 (903.84)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-18630 8830-C18620 8830-C18620 8830-C18620 8830-C18750 8830-1819 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Charlestown 32 Dline Charlestown DSub Charlestown DSub Charlestown DSub Charlestown Sound IE - NN Recloser installations	2,293.36 4,666.89 244.13 3,499.95	413.22 3,948.86 231,830.42 (1,545.00)	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63	-	1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89)	51,089.32 168,498.10 (53.64) - - 88,728.10 220.00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 903.84 8,378.44 (903.84) 8,455.05
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-18650 8830-C18620 8830-C18620 8830-C18620 8830-1819 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BET OPERATIONS O&M BATE CONDUCTOR Replacement Program BATE CONDUCTOR Replacement Program BATE CONDUCTOR Replacement Program BATE CONDUCTOR Replacement Program CONDUCTOR REPLACEMENT PROGRAM BATE CONDUCTOR PROGRAM BATE PRO	2,293.36 4,666.89 244.13 3,499.95	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51)	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89)	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60	:	1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89)	51,089,32 168,498.10 (53.64) (53.64) (53.64) (53.64) (53.666.01) 38,701.10 38,701.10 384,738.70 4,615.57 140,657.39 (154.89) 903.84 (903.84) 8,475.05 2,415.09
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-18630 8830-C18620 8830-C18620 8830-C18620 8830-C18631 8830-1819 8830-1819 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M ELECTRIC OPERATIONS O&M BECTRIC OPERATIONS O&M BARE CONDUCTOR REPLAY OF THE STATE	2,293.36 4,666.89 244.13 3,499.95	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89)	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29		1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89)	51,089.32 168,498.10 (53.64)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-18630 8830-C18620 8830-C18620 8830-C18620 8830-C18750 8830-1819 8830-1819 8830-1819 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Charlestown 32 Diline Charlestown 32 Diline Charlestown DSub Charlestown DSub Charlestown DSub Charlestown Sobies IE - NN Recloser installations	2,293.36 4,666.89 244.13 3,499.95	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89)	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34	÷	1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89)	51,089.32 168,498.10 (53.64) - - 88,728.10 220.00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 903.84 8,378.44 (903.84) 8,455.05 2,415.09 4,748.49
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-18630 8830-C18630 8830-C18630 8830-C18630 8830-C18630 8830-C18630 8830-C18630 8830-R18750 8830-R1819 8830-R1819 8830-R1819 8830-R1819 8830-R1819 8830-R1819 8830-R1819 8830-R1819 8830-R1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BECONDUCTOR SEPERATIONS O&M BATE CONDUCTOR Replacement Program BATE CONDUCTOR PROGRAM BATE CONDUCTOR REPLACEMENT PROGRAM BATE CONDUCTOR REPLACEMENT PROGRAM BATE CONDUCTOR REPLACEMENT PROGRAM BATE CONDUCTOR PROGRAM B	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18)	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89)	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81)	:	1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89)	51,089,32 168,498.10 (53.64) (53.64) (53.64) (53.64) (53.64) (53.666.01 38,701.10 354,738.70 4,615.57 140,657.39 903.84 8,378.44 (903.84) 8,455.05 2,415.09 4,748.49 3,995.21 (13,214.99)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program Charlestown 32 Dilne Charlestown DSub Charlestown DSub Security Conversion GSE IE - NN Recloser Installations	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89)	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12)		1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89)	51,089.32 168,498.10 (53.64)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-18630 8830-C18620 8830-C18620 8830-C18620 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Conductor Replacement Program Ear Conductor Replacement Program Charlestown 32 Diline Charlestown DSub Charlestown DSub Security Conversion GSE IE - NN Recloser installations	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60)	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18)	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89)	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81)		1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89)	51,089.32 168,498.10 (53.64) - - 88,728.10 220.00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 903.844 (903.84) 8,455.05 2,415.09 4,748.49 3,995.21 (13,214.99) (30,190.71) (4,878.73)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-18630 8830-18630 8830-18630 8830-18630 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BER ODE OF OPERATIONS O&M BATE OR ON OPERATIONS OWN BATE OR OPERATIONS OWN BATE OR OPERATIONS OWN BATE OR OPERATIONS OWN BATE OF OPERATIONS OWN BATE ON OPERATIONS OWN BATE OF OWN B	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60) (46,778.47)	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18)	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89)	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12)		1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89)	51,089,32 168,498.10 (53.64) (53.64) 220.00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 903.84 8,378.44 (903.84) 8,455.05 2,415.09 4,748.49 3,995.21 (13,214.99) (30,190.71) (4,878.73) (46,778.47)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1849 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1801 8830-1801	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program Charlestown 32 Dilne Charlestown DSub Security Conversion GSE IE - NN Recloser Installations	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60)	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18)	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89)	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12)		1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89) (101,290.00)	51,089.32 168,498.10 (53.64)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-18650 8830-18650 8830-18650 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Charlestown 32 Diline Charlestown DSub Charlestown DSub Charlestown DSub Security Conversion GSE IE - NIR Recloser installations	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60) (46,778.47)	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18)	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13)		1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89) (101,290.00)	51,089,32 168,498.10 (53.64) (53.64) (53.64) (53.64) (53.666.01 38,701.10 354,738.70 4,615.57 140,657.39 (154.89) 903.84 (903.84) 8,475.05 2,415.09 4,748.49 (30,190.71) (4,878.73) (46,778.47) (55,122.44)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-18620 8830-C18620 8830-C18620 8830-C18620 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BER CONDUCTOR REPLACEMENT Program Bare Conductor Replacement Program Charlestown DSub Charlestown DSub Charlestown DSub E- NN Recloser Installations IE - NN Recloser Installations IGE - STOM RECLOSER INSTALLATIONS IGENTIFY RECLOSER INSTALLA	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.64) (46,778.47) (55,122.44)	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18)	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89)	53,516.66	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12)		1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89) (101,290.00)	51,089.32 168,498.10 (53.64)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BECONDUCTOR SEPACEMENT OF SOME BARE CONDUCTOR Replacement Program BARE CONDUCTOR Replacement Program BARE CONDUCTOR Replacement Program BARE CONDUCTOR Replacement Program Charlestown 32 Diline Charlestown DSub Security Conversion GSE IE - NN Recloser Installations IE	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60) (46,778.47) (55,122.44)	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27)		24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13)		1,171.40 1,476.56	(0.00) - - - -	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52)	51,089.32 168,498.10 (53.64) 88,728.10 220.00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 903.84 8,378.44 (903.84) 8,455.05 2,415.09 3,995.21 (13,214.99) (30,190.71) (4,878.73) (46,778.47) (55,122.44) (19,662.50) (2,042.30)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1848 8830-1849 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BARE CONDUCTOR Replacement Program EARLY OF THE PROGRAM EARLY OF	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.64) (46,778.47) (55,122.44)	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 10.18	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00	53,516.66 25,422.67	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13)		1,171.40 1,476.56	-	(676,039.86) (1,494.24) (451,125.89) (101,290.00)	51,089,32 168,498.10 (53.64) (53.64) (53.64) (53.64) (53.64) (53.66) (53.66) (54.67) (557.39) (154.89) (903.84) (84.855.05) (2415.09) (478.84) (49.384) (46.78.47) (48.78.73) (46.778.47) (55.122.44) (19,662.50) (2,042.30)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BECONDUCTOR SEPACEMENT OF SOME BARE CONDUCTOR Replacement Program BARE CONDUCTOR Replacement Program BARE CONDUCTOR Replacement Program BARE CONDUCTOR Replacement Program Charlestown 32 Diline Charlestown DSub Security Conversion GSE IE - NN Recloser Installations IE	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60) (46,778.47) (55,122.44)	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27)		24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13)		1,171.40 1,476.56	(0.00) - - - -	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52)	51,089.32 168,498.10 (53.64) 88,728.10 220.00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 903.84 8,378.44 (903.84) 8,455.05 2,415.09 3,995.21 (13,214.99) (30,190.71) (4,878.73) (46,778.47) (55,122.44) (19,662.50) (2,042.30)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-18620 8830-18620 8830-18620 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program Condition of the Condition of th	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60) (46,778.47) (55,122.44)	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52		24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95		1,171.40 1,476.56	(0.00) - - - -	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64) - - - 88,728.10 220.00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 (154.89) 903.84 (903.84) 8,475.05 2,415.09 4,748.49 3,995.21 (13,214.99) (30,190.71) (4,878.73) (46,778.47) (55,122.44) (19,662.50) (2,042.30)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BER CONDUCTOR REPLACEMENT PROGRAM BARE CONDUCTOR REPLACEMENT PROGRAM EARL STANDARD S	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60) (46,778.47) (55,122.44) 4,910.15	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 10.18	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04		24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95		1,171.40 1,476.56	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52)	51,089,32 168,498.10 (53.64) (53.64) (53.64) (53.64) (53.64) (53.66) (53.66) (53.66) (54.657.39) (93.84) (8,455.05) (4,415.09) (4,478.49) (30,190.71) (4,878.73) (45,778.47) (55,122.44) (19,662.54) (19,662.54) (20,42.30) (85,852.81) (700.00)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-18620 8830-18620 8830-18620 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program Condition of the Condition of th	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60) (46,778.47) (55,122.44)	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52		24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95		1,171.40 1,476.56	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64) - - - 88,728.10 220.00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 (154.89) 903.84 (903.84) 8,475.05 2,415.09 4,748.49 3,995.21 (13,214.99) (30,190.71) (4,878.73) (46,778.47) (55,122.44) (19,662.50) (2,042.30)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BER CONDUCTOR REPLACEMENT PROGRAM BARE CONDUCTOR REPLACEMENT PROGRAM EAST CONDUCTOR REPLACEMENT PROGRAM EAST CONDUCTOR REPLACEMENT PROGRAM EAST CONDUCTOR REPLACEMENT PROGRAM EAST CONDUCTOR REPLACEMENT PROGRAM EF - NN RECLOSER INSTALLATIONS IE - NN RECL	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60) (46,778.47) (55,122.44) 4,910.15	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00		24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30		1,171.40 1,476.56	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801 8830-1801	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BARE CONDUCTOR Replacement Program Charlestown 32 Diline Charlestown 32 Diline Charlestown DSub Security Conversion GSE IE - NIR Recloser installations IE - NIR Recloser Installati	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60) (46,778.47) (55,122.44) 4,910.15	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,883.20 2,797.87 (3,319.18) 10.18 	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36		24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00		1,171.40 1,476.56	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64) (53.64) (53.64) (220.00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 (154.89) 903.84) 8,378.44 (903.84) 8,475.05 2,415.09 4,748.49 (30,190.71) (4,878.73) (46,778.47) (55,122.44) (19,662.50) (2,042.30) (2,812.81) 700.00 (2,812.81) 11,165.38
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BET CONDUCTOR SEAR OF THE STATE OF	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.62) (46,778.47) (55,122.44) 4,910.15	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 10.18 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88)	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81	25,422.67	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,260.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46		1,171.40 1,476.56 2,939.84	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64) (53.64) 220,00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 903.84 8,378.44 (903.84) 8,455.05 2,415.09 4,748.49 3,995.21 (13,214.99) (30,190.71) (4,878.73) (46,778.47) (55,122.44) (19,662.50) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BER CONDUCTOR Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Charlestown DSub Charlestown DSub Charlestown DSub Security Conversion GSE IE - NR Recloser installations IE - NN Recloser Installat	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60) (46,778.47) (55,122.44) 4,910.15 -1,412.8 1,528.08 4,054.81 3,654.93	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00	25,422.67	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09		1,171.40 1,476.56 2,939.84	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64) (53.64) (53.64) (220,00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 (154.89) 903.84 (903.84) 8,475.05 2,415.09 4,748.49 (30,190.71) (4,878.73) (46,778.47) (55,122.44) (19,662.50) (2,042.30) (2,812.81) 11,165.38 173,271.98 20,220.84 88,556.23 192,065.69
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BET CONDUCTOR REPLACEMENT OF THE STATE OF THE S	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.67 (46,778.47) (55,122.44) 4,910.15 - 1,412.28 1,528.08 4,054.81 3,654.93 451.17	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65 118,984.60	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00	25,422.67	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09 821.63		1,171.40 1,476.56 2,939.84	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53,64) (53,64) 220,00 52,666.01 38,701.10 364,738.70 4,615.57 140,657.39 903.84 8,478.44 (903.84) 8,455.05 2,415.09 4,748.49 3,995.21 (13,214.99) (30,190.71) (4,878.73) (46,778.47) (55,122.44) (19,662.50) (2,042.3
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-18620 8830-18620 8830-18620 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program Condition of Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Charlestown 32 Diline Charlestown DSub Charlestown DSub Charlestown DSub Security Conversion GSE IE - NN Recloser installations I	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60) (46,778.47) (55,122.44) 4,910.15 -1,412.8 1,528.08 4,054.81 3,654.93	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00	25,422.67	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09	÷	1,171.40 1,476.56 2,939.84	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64) 52,000 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 (154.89) 903.84 (903.84) 8,475.05 2,415.09 4,748.49 3,995.21 (13,214.99) (30,190.71) (4,878.73) (46,778.47) (55,122.44) (19,662.50) (2,042.30) (
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1848 8830-1849 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1841 8830-1861 8830-1861 8830-1861 8830-1861 8830-1861 8830-1861 8830-1861 8830-1861 8830-1861 8830-1861 8830-1861 8830-18641 8830-186431 8830-186431 8830-186431 8830-186431 8830-186431 8830-186431 8830-186431 8830-186431 8830-186431 8830-186431 8830-186431 8830-186431 8830-186431 8830-186431 8830-186431 8830-186431 8830-186431	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BATE CONDUCTOR Replacement Program Bare Conductor Replacement Program Charlestown DSub Charlestown DSub Charlestown DSub Security Conversion GSE IE - NN Recloser Installations IE - NN Recloser Inst	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.67 (46,778.47) (55,122.44) 4,910.15 - 1,412.28 1,528.08 4,054.81 3,654.93 451.17	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65 118,984.60	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00	25,422.67	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09 821.63		1,171.40 1,476.56 2,939.84 90.82 8.50	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64) (53.64) (53.64) (53.64) (53.64) 220,00 52,666.01 38,701.10 46,155.77 140,657.39 903.84 8,378.44 (903.84) 8,455.05 2,415.09 4,748.49 (30,190.71) (48,788.73) (46,778.47) (55,122.44) (19,662.50) (2,042.30) (22,812.81) 11,165.38 173,277.198 20,220.84 88,5526.23 192,065.69 1,661.30 114,037.90 8,500.00
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BECTRIC OPERATIONS O&M BECTRIC OPERATIONS O&M BECTRIC OPERATIONS O&M BATE CONDUCTOR Replacement Program BATE CONDUCTOR Replacement Program BATE CONDUCTOR Replacement Program BATE CONDUCTOR REPLACEMENT PROGRAM ELECTRIC OPERATIONS O&M END SUBSEMPLY OF THE PROGRAM ELECTRIC ON SUBSEMPLY ON SUBSEMPLY OF THE PROGRAM ELECTRIC ON SUBSEMPLY O	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.67 (46,778.47) (55,122.44) 4,910.15 - 1,412.28 1,528.08 4,054.81 3,654.93 451.17	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65 118,984.60	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00	25,422.67	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09 821.63		1,171.40 1,476.56 2,939.84 90.82 8.50 586.47	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1841 8830-18431 8830-18431 8830-18431 8830-18431 8830-18431 8830-18431 8830-18431	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BER CONDUCTOR Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Charlestown 32 Diline Charlestown DSub Charlestown DSub Charlestown DSub Security Conversion GSE IE - NN Recloser installations IE -	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.67 (46,778.47) (55,122.44) 4,910.15 - 1,412.28 1,528.08 4,054.81 3,654.93 451.17	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65 118,984.60	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00	25,422.67	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09 821.63		1,171.40 1,476.56 2,939.84 90.82 8.50	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BET CONDUCTOR SEATONS BATE CONDUCTOR REPLACEMENT Program Bare Conductor Replacement Program Charlestown DSub Charlestown DSub Charlestown DSub Security Conversion GSE IE - NN Recloser Installations IO 1663 GS Storm Program Proj O1663 GS Storm Program Pro	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.67 (46,778.47) (55,122.44) 4,910.15 - 1,412.28 1,528.08 4,054.81 3,654.93 451.17	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65 118,984.60	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00 26,723.32 8,500.00	25,422.67	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09 821.63		1,171.40 1,476.56 2,939.84 90.82 8.50 586.47	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64) (53.64) (53.64) (53.64) (53.64) (53.64) (53.64) (53.64) (53.64) (53.64) (657.39) (903.84) (84,657.39) (903.84) (84,78.47) (903.84) (84,78.47) (46,778.47) (55,122.44) (19,662.50) (2,042.30) (20,42.30) (22,812.81) 11,165.38 11,165.38 11,165.38 11,165.39
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program En Allestown DSub Charlestown DSub Security Conversion GSE IE - NN Recloser Installations IGE - NS Recloser Installations IGE - NN	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.67 (46,778.47) (55,122.44) 4,910.15 - 1,412.28 1,528.08 4,054.81 3,654.93 451.17	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65 118,984.60	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00 380.00 26,723.32 8,500.00 (3,000.00)	25,422.67	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09 821.63		1,171.40 1,476.56 2,939.84 90.82 8.50 586.47	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1849	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BARE CONDUCTOR Replacement Program Charlestown 32 Diline Charlestown DSub Security Conversion GSE IE - NIR Recloser Installations IE - NIR Recloser Installa	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.67 (46,778.47) (55,122.44) 4,910.15 - 1,412.28 1,528.08 4,054.81 3,654.93 451.17	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65 118,984.60 1,520.00	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00 26,723.32 8,500.00	25,422.67	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09 821.63 46,931.12		1,171.40 1,476.56 2,939.84 90.82 8.50 586.47	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64) (53.64) (53.64) (53.64) (53.67) 220,00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 (154.89) 903.84) 8,475.05 2,415.09 4,748.49 3,3995.21 (13,214.99) (30,190.71) (4,878.73) (46,778.47) (55,122.44) (19,662.50) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (1,165.30) (2,042.30) (2,042.30) (2,042.30) (3,07.20) (4,07.20) (4,07.20) (5,07.20) (6,07.20) (6,07.20) (7,07.20) (8,07.20) (8,07.20) (8,07.20) (8,07.20) (8,07.20) (8,07.20) (8,07.20) (8,07.20) (8,07.20) (8,07.20) (8,07.20) (8,07.20) (8,07.20) (8,07.20) (1,07.20)
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819 8830-18418 8830-18418 8830-18418 8830-18418 8830-18431	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BET CONDUCTOR SEATONS BATE CONDUCTOR REPLACEMENT Program Bare Conductor Replacement Program Charlestown DSub Charlestown DSub Security Conversion GSE IE - NN Recloser Installations IE - NN Recloser Install	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.67 (46,778.47) (55,122.44) 4,910.15 - 1,412.28 1,528.08 4,054.81 3,654.93 451.17	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65 118,984.60 1,520.00 (3.20)	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00 26,723.32 8,500.00 (3,000.00) 4,032.00	25,422.67 2,880.00	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,2860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09 821.63 46,931.12		1,171.40 1,476.56 2,939.84 90.82 8.50 586.47 892.72	(0.00) (0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63) (148,220.66) (13,174.55)	51,089,32 168,498.10 (53,64) (53,64) (53,64) (53,64) (53,64) (53,64) (53,64) (54,657.39 (154,89) (903,84) (8,455.05 (4,415.09 (4,478.49) (30,190.71) (4,878.73) (45,78.47) (55,122.44) (19,662.50) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (3,000.00) (4,037.90) (8,038.90) (1,037.
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1811	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BET CONDUCTOR Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Bare Conductor Replacement Program Condition of the	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.67 (46,778.47) (55,122.44) 4,910.15 - 1,412.28 1,528.08 4,054.81 3,654.93 451.17	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65 118,984.60 1,520.00	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00 40,000.00 4,032.00 148,579.25	25,422.67	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,197.34 (9.895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09 821.63 46,931.12	÷	1,171.40 1,476.56 2,939.84 90.82 8.50 586.47 892.72	(0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63)	51,089,32 168,498.10 (53.64) 520,00 52,666.01 38,701.10 354,738.70 4,615.57 140,657.39 (154.89) 903.84 (903.84) 8,475.05 2,415.09 4,748.49 3,995.21 (13,214.99) (30,190.71) (4,878.73) (46,778.47) (55,122.44) (19,662.50) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,043.30) (2,043.30) (3,070.00) 11,1,165.38 173,271.98 20,220.84 88,526.23 192,065.69 1,661.30 1,661.30 1,613.90 1,
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1848 8830-1849 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1841	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BET CONDUCTOR Replacement Program Bare Conductor Replacement Program E - NN Recloser Installations IE - NN Recloser Installations O1663 GS Storm Program Proj O1663 G	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60) (46,778.47) (55,122.44) 4,910.15 - 1,412.28 1,528.08 4,054.81 3,654.93 451.17 38,863.46	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65 118,984.60 1,520.00 (3.20)	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00 26,723.32 8,500.00 (3,000.00) 4,032.00	25,422.67 2,880.00	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09 821.63 46,931.12		1,171.40 1,476.56 2,939.84 90.82 8.50 586.47 892.72	(0.00) (0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63) (148,220.66) (13,174.55)	51,089,32 168,498.10 (53,64) (53,64) (53,64) (53,64) (53,64) (53,64) (53,64) (54,66) (57,38) (154,89) (903,84) (8,657,39) (903,84) (8,478,49) (30,190,71) (4,878,73) (46,778,47) (55,122,44) (19,662,50) (2,042,30) (22,812,81) 11,165,38 173,277,198 20,220,84 88,526,23 173,277,198 20,220,84 88,526,23 192,065,69 1,661,30 114,037,90 8,500,00 1,661,30 1,66
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1849 8830-1819 8830-1841	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M Bare Conductor Replacement Program Enalistons IE - NN Recloser Installations	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.62) (46,778.47) (55,122.44) 4,910.15 - - 1,412.28 1,528.08 4,054.81 3,654.93 451.17 38,863.46	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65 118,984.60 1,520.00 (3.20) (7,860.00) 28,359.23	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00 4,61.36 15,623.81 60,000.00 4,032.00 (3,000.00) 4,032.00 148,579.25 7,959.48	25,422.67 2,880.00 174,629.82 180.00	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09 821.63 46,931.12		1,171.40 1,476.56 2,939.84 90.82 8.50 586.47 892.72 14,715.61 711.89 855.08	(0.00) (0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63) (148,220.66) (13,174.55)	51,089,32 168,498.10 (53,64) (53,64) (53,64) (53,64) (53,666.01 38,703.10 4,615.57 140,657.39 903.84 8,475.05 2,415.09 4,748.49 3,995.21 (13,214.99) (30,190.71) (4,878.73) (46,778.47) (55,122.44) (19,62.50) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (2,042.30) (3,000.00) 4,037.90 85,852.81) 700.00 (2,812.81) 11,165.38 173,271.98 20,220.84 88,526.23 192,065.69 1,661.30 114,037.90 8,500.00 586.47 892.72 (3,000.00) 4,032.00 (7,860.04) 537,633.69 10,043.93 17,663.62
8830-1871 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-9851-E0 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1846 8830-1848 8830-1849 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1819 8830-1841	ARCOS EAP - Cogsdale CIS System Modifications ELECTRIC OPERATIONS O&M BET CONDUCTOR Replacement Program Bare Conductor Replacement Program E - NN Recloser Installations IE - NN Recloser Installations O1663 GS Storm Program Proj O1663 G	3,307.90 (53.64) 2,293.36 4,666.89 244.13 3,499.95 629.50 (7,427.50) (1,151.60) (46,778.47) (55,122.44) 4,910.15 - 1,412.28 1,528.08 4,054.81 3,654.93 451.17 38,863.46	413.22 3,948.86 231,830.42 (1,545.00) 3,263.42 (2,883.51) 2,888.20 2,797.87 (3,319.18) 10.18 (10,749.84) 700.00 5,851.84 73,485.81 (3,899.88) 14,794.65 118,984.60 1,520.00 (3.20)	24,729.80 138,815.28 - 151,542.47 220.00 530,199.82 6,955.50 389,914.44 105,918.48 (154.89) 330.00 (449.27) 210.52 12,723.89 6,716.04 5,146.00 54,461.36 15,623.81 60,000.00 40,000.00 4,032.00 148,579.25	25,422.67 2,880.00	24,431.17 75,335.32 195,799.47 24,624.09 182,399.04 1,115.62 80,487.91 903.84 8,378.44 (903.84) 4,861.63 5,298.60 1,860.29 1,197.34 (9,895.81) (22,324.12) (3,727.13) (2,042.30) 119,478.95 111,427.69 4,491.30 41,270.00 21,671.46 7,105.83 73,081.09 821.63 46,931.12		1,171.40 1,476.56 2,939.84 90.82 8.50 586.47 892.72	(0.00) (0.00)	(676,039.86) (1,494.24) (451,125.89) (101,290.00) (19,662.50) (210.52) (237,638.63) (148,220.66) (13,174.55)	51,089,32 168,498.10 (53.64) (53.64) (53.64) (53.64) (53.64) (53.64) (53.64) (53.64) (53.64) (54.65) (54.68) (903.84) (84.65) (903.84) (84.65) (903.84) (84.65) (903.84) (84.65) (903.84) (903.84) (84.65) (903.84) (84.65) (903.84) (84.65) (903.84) (84.65) (903.84) (84.65) (903.84) (84.678.47) (65.122.44) (19,662.50) (2,042.30) (20,042.30) (22,812.81) 11,165,38 113,271.98 20,220.84 88,526.23 114,037.90 8,500.00 586.47 (32.00) (3,000.00) (7,860.04) 537,633.69 10,043.93

									Alla	icililent Ji	ED-3a
8830-C42930	Install Service to Tuscan Village South Line	3,121.56				5,392.19					8,513.75
8830-C42933	Vilas Bridge 12L1 - Old Drewsville Rd Sectionalizer							138.15			138.15
8830-C42934	Airbreak Switch Upgrade Project	2,286.92	6,229.55	7,550.00		23,809.99			-		39,876.46
8830-C42934	Airbreak Switch Upgrade Project					361.88					361.88
8830-CD0291	Sky View URD - Salem, NH				540.00	737.32					1,277.32
8830-CD0291	Sky View URD - Salem, NH	-									-
8830-1837	GSE-Dist-New Bus-Resid Blanket	439.76				935.62					1,375.38
8830-1837	GSE-Dist-New Bus-Resid Blanket	(139.44)				(274.93)					(414.37)
8830-1837	GSE-Dist-New Bus-Resid Blanket	1,640.84	134.56	760.00		3,680.85			-		6,216.25
8830-1837	GSE-Dist-New Bus-Resid Blanket		1,400.82			558.23					1,959.05
8830-1837	GSE-Dist-New Bus-Resid Blanket	(2,466.51)	(129.98)			(5,831.96)					(8,428.45)
8830-1837	GSE-Dist-New Bus-Resid Blanket	3,688.08	1,004.75			9,263.26			-		13,956.09
8830-1837	GSE-Dist-New Bus-Resid Blanket	(1,000.98)				(2,255.34)					(3,256.32)
8830-1837	GSE-Dist-New Bus-Resid Blanket	864.39	70.05			1,471.72			-		2,406.16
8830-1837	GSE-Dist-New Bus-Resid Blanket	100.26				232.57					332.83
8830-1837	GSE-Dist-New Bus-Resid Blanket	(1,418.92)				(3,418.29)			-		(4,837.21)
8830-1837	GSE-Dist-New Bus-Resid Blanket					1,382.45					1,382.45
8830-1837	GSE-Dist-New Bus-Resid Blanket	906.65	5,180.03			13,716.62				(813.26)	18,990.04
8830-1837	GSE-Dist-New Bus-Resid Blanket		805.70			321.07					1,126.77
8830-1837	GSE-Dist-New Bus-Resid Blanket	(1,557.96)				(3,974.15)					(5,532.11)
8830-1837	GSE-Dist-New Bus-Resid Blanket		348.14	380.00		2,531.59				(380.00)	2,879.73
8830-1837	GSE-Dist-New Bus-Resid Blanket		27.22			7.33					34.55
8830-1837	GSE-Dist-New Bus-Resid Blanket	(429.50		(======)	171.16					600.66
8830-1837	GSE-Dist-New Bus-Resid Blanket	(654.31)		(220.00)	(510.00)	(2,268.32)					(3,652.63)
8830-1837	GSE-Dist-New Bus-Resid Blanket	(CAE EQ)				3,541.86					3,541.86
8830-1837	GSE-Dist-New Bus-Resid Blanket	(645.59)				(1,488.18)					(2,133.77)
8830-1837	GSE-Dist-New Bus-Resid Blanket	(202.02)			(470.00)	509.29					509.29
8830-1837 8830-1837	GSE-Dist-New Bus-Resid Blanket GSE-Dist-New Bus-Resid Blanket	(202.83)	(52.54)		(170.00)	(516.76)					(889.59) (52.54)
8830-1837	GSE-Dist-New Bus-Resid Blanket		206.61			44.05					250.66
8830-1837	GSE-Dist-New Bus-Resid Blanket		111.39			48.59					159.98
8830-1837	GSE-Dist-New Bus-Resid Blanket		140.60			65.45					206.05
8830-1837	GSE-Dist-New Bus-Resid Blanket	(199.04)	140.00			(474.28)					(673.32)
8830-1837	GSE-Dist-New Bus-Resid Blanket	(370.56)				(955.07)					(1,325.63)
8830-1837	GSE-Dist-New Bus-Resid Blanket	(370.30)				1,139.26					1,139.26
8830-1837	GSE-Dist-New Bus-Resid Blanket					37.67					37.67
8830-1837	GSE-Dist-New Bus-Resid Blanket		76.05			26.72					102.77
8830-1837	GSE-Dist-New Bus-Resid Blanket		70.03			12.91					12.91
8830-1837	GSE-Dist-New Bus-Resid Blanket	228.31		380.00		422.41			77.92		1,108.64
8830-1837	GSE-Dist-New Bus-Resid Blanket	(175.04)		300.00		(625.48)			77.52		(800.52)
8830-1837	GSE-Dist-New Bus-Resid Blanket	(175.04)	105.47			46.01					151.48
8830-1837	GSE-Dist-New Bus-Resid Blanket	(238.10)	103.47			(517.18)					(755.28)
8830-1837	GSE-Dist-New Bus-Resid Blanket	1,737.78	745.72			3,999.69					6,483.19
8830-1837	GSE-Dist-New Bus-Resid Blanket	1,757.70	125.00			151.43					276.43
8830-1837	GSE-Dist-New Bus-Resid Blanket	(966.68)				(1,027.54)					(1,994.22)
8830-1837	GSE-Dist-New Bus-Resid Blanket	(300.00)				68.45					68.45
8830-1837	GSE-Dist-New Bus-Resid Blanket		125.00			78.35					203.35
8830-1837	GSE-Dist-New Bus-Resid Blanket		112.50			23.99					136.49
8830-1837	GSE-Dist-New Bus-Resid Blanket		112.50			23.99					136.49
8830-1837	GSE-Dist-New Bus-Resid Blanket	(185.28)				(589.24)					(774.52)
8830-1837	GSE-Dist-New Bus-Resid Blanket	(478.15)				(1,406.01)					(1,884.16)
8830-1837	GSE-Dist-New Bus-Resid Blanket	(,	187.50			99.08					286.58
8830-1837	GSE-Dist-New Bus-Resid Blanket		107.50			343.40					343.40
8830-1837	GSE-Dist-New Bus-Resid Blanket		75.00			89.86					164.86
8830-1837	GSE-Dist-New Bus-Resid Blanket	(553.42)	75.00			(1,073.20)					(1,626.62)
8830-1837	GSE-Dist-New Bus-Resid Blanket	(555.42)	131.37			57.31					188.68
8830-1837	GSE-Dist-New Bus-Resid Blanket	(931.60)	131.37	(95.00)		(2,776.51)					(3,803.11)
8830-1837	GSE-Dist-New Bus-Resid Blanket	767.28	329.05	3,615.52		5,142.64			_		9,854.49
8830-1837	GSE-Dist-New Bus-Resid Blanket	551.10	323.03	3,013.32		957.05					1,508.15
8830-1837	GSF-Dist-New Bus-Resid Blanket	48.81				91.77					140.58
8830-1837	GSE-Dist-New Bus-Resid Blanket	413.33			2,049.98	1,621.50					4,084.81
8830-1837	GSE-Dist-New Bus-Resid Blanket	(1,858.84)	(53.97)		2,0-13.30	(5,432.85)					(7,345.66)
8830-1837	GSE-Dist-New Bus-Resid Blanket	201.15	550.97			1,826.07			_		2,578.19
8830-1837	GSE-Dist-New Bus-Resid Blanket	201.13	75.00			88.38					163.38
8830-1837	GSE-Dist-New Bus-Resid Blanket		75.00			78.04					153.04
8830-1837	GSE-Dist-New Bus-Resid Blanket		1,056.37			460.76					1,517.13
8830-1837	GSE-Dist-New Bus-Resid Blanket	1,560.71	1,317.13			8,933.47			_		11,811.31
8830-1837	GSE-Dist-New Bus-Resid Blanket	(2,084.84)	_,			(6,681.90)					(8,766.74)
8830-1837	GSE-Dist-New Bus-Resid Blanket	(185.28)				(477.54)					(662.82)
8830-1837	GSE-Dist-New Bus-Resid Blanket	(370.56)				(865.50)					(1,236.06)
8830-1837	GSE-Dist-New Bus-Resid Blanket	19.48				33.64					53.12
8830-1837	GSE-Dist-New Bus-Resid Blanket	(370.56)				(1,109.09)					(1,479.65)
8830-1837	GSE-Dist-New Bus-Resid Blanket	(741.12)				(1,523.49)					(2,264.61)
8830-1837	GSE-Dist-New Bus-Resid Blanket	(359.28)				(761.44)					(1,120.72)
8830-1838	GSE-Dist-New Bus-Comm Blanket	- '							-		- '
8830-1838	GSE-Dist-New Bus-Comm Blanket	341.88		380.00		1,196.10			-		1,917.98
8830-1838	GSE-Dist-New Bus-Comm Blanket			550.00		227.61					777.61
8830-1838	GSE-Dist-New Bus-Comm Blanket								-		-
8830-1838	GSE-Dist-New Bus-Comm Blanket	(1,140.04)		(313.30)		(2,277.67)		(219.61)			(3,950.62)
8830-1838	GSE-Dist-New Bus-Comm Blanket								-		-
8830-1838	GSE-Dist-New Bus-Comm Blanket					0.86					0.86
8830-1838	GSE-Dist-New Bus-Comm Blanket	(3,588.55)				(8,653.08)					(12,241.63)
8830-1838	GSE-Dist-New Bus-Comm Blanket	(155.04)				(374.99)					(530.03)
8830-1838	GSE-Dist-New Bus-Comm Blanket		52.50			11.20					63.70
8830-1838	GSE-Dist-New Bus-Comm Blanket			40.50							40.50
8830-1838	GSE-Dist-New Bus-Comm Blanket	9,002.23	5,764.36	357.50		19,590.67			-		34,714.76
8830-1838	GSE-Dist-New Bus-Comm Blanket	(741.12)				(2,146.45)					(2,887.57)
8830-1838	GSE-Dist-New Bus-Comm Blanket					-					-
8830-1838	GSE-Dist-New Bus-Comm Blanket	(326.64)				(731.28)	499.00				(558.92)
8830-1838	GSE-Dist-New Bus-Comm Blanket	3,739.38		760.00		23,529.93		4,188.99		(380.00)	31,838.30
8830-1838	GSE-Dist-New Bus-Comm Blanket	2,933.52		380.00		6,090.61			1,453.14		10,857.27
8830-1838	GSE-Dist-New Bus-Comm Blanket	(2,338.72)				(5,279.23)					(7,617.95)
8830-1838	GSE-Dist-New Bus-Comm Blanket	3,630.40				5,662.80					9,293.20
8830-1838	GSE-Dist-New Bus-Comm Blanket			275.00		113.81					388.81
8830-1838	GSE-Dist-New Bus-Comm Blanket							214.12			214.12
8830-1838	GSE-Dist-New Bus-Comm Blanket							13.67			13.67
8830-1838	GSE-Dist-New Bus-Comm Blanket					1,752.09					1,752.09
8830-1838	GSE-Dist-New Bus-Comm Blanket		403.43			86.03					489.46
8830-1838	GSE-Dist-New Bus-Comm Blanket	801.60				1,670.41					2,472.01
8830-1838	GSE-Dist-New Bus-Comm Blanket		2,391.94			7,280.81					9,672.75
8830-1838	GSE-Dist-New Bus-Comm Blanket	400.00	49.97			21.80	,- ·-·				71.77
8830-1838	GSE-Dist-New Bus-Comm Blanket	185.28		340.00	510.00	514.74	(7,474.59)				(5,924.57)
8830-1838	GSE-Dist-New Bus-Comm Blanket	(185.28)		(340.00)	(510.00)	(514.74)	7,474.59				5,924.57
8830-1838	GSE-Dist-New Bus-Comm Blanket	(1 240 40)		(1 140 00)		(2 747 00)	19,469.86				19,469.86
8830-1838	GSE-Dist-New Bus-Comm Blanket	(1,318.10)		(1,140.00)		(2,717.98)					(5,176.08)

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8830-1838	GSE-Dist-New Bus-Comm Blanket					(2,094.93)			(2,094.93)
8830-1838	GSE-Dist-New Bus-Comm Blanket	(622.00)				(1,270.56)			(1,892.56)
8830-1838	GSE-Dist-New Bus-Comm Blanket		(270.96)			(118.19)			(389.15)
8830-1838	GSE-Dist-New Bus-Comm Blanket				(170.00)	(35.71)			(205.71)
8830-1838	GSE-Dist-New Bus-Comm Blanket		86.97			37.93			124.90
8830-1838	GSE-Dist-New Bus-Comm Blanket		1,240.19	380.00		6,687.46			8,307.65
8830-1838	GSE-Dist-New Bus-Comm Blanket	(883.26)				(2,033.27)	500.00		(2,416.53)
8830-1838	GSE-Dist-New Bus-Comm Blanket	5,972.50	1,799.31			25,434.21		-	33,206.02
8830-1838	GSE-Dist-New Bus-Comm Blanket		74.00			29.48			103.48
8830-1838	GSE-Dist-New Bus-Comm Blanket					122.48			122.48
8830-1838	GSE-Dist-New Bus-Comm Blanket	4,927.86	6,243.22			11,169.71	34.57	-	22,375.36
8830-1838	GSE-Dist-New Bus-Comm Blanket	(207.11)				(569.93)			(777.04)
8830-1838 8830-1838	GSE-Dist-New Bus-Comm Blanket GSE-Dist-New Bus-Comm Blanket	(199.04)	(17.91)			(653.30) (2,079.96)			(852.34)
8830-1838	GSE-Dist-New Bus-Comm Blanket	(866.72)	211.96			480.93			(2,964.59) 692.89
8830-1838	GSE-Dist-New Bus-Comm Blanket	21,647.37	7,928.42	2,841.00	8,746.41	65,894.59			107,057.79
8830-1838	GSE-Dist-New Bus-Comm Blanket	21,047.37	7,520.42	2,500.99	0,740.41	05,054.55			2,500.99
8830-1838	GSE-Dist-New Bus-Comm Blanket	215.28		2,500.55		371.87			587.15
8830-1838	GSE-Dist-New Bus-Comm Blanket	(370.56)				(919.02)	500.00		(789.58)
8830-1838	GSE-Dist-New Bus-Comm Blanket	,,	169.77			72.65			242.42
8830-1838	GSE-Dist-New Bus-Comm Blanket			(380.00)		(235.67)			(615.67)
8830-1810	GSE-Dist-St Light Blanket		1,259.28			(5,867.42)			(4,608.14)
8830-1810	GSE-Dist-St Light Blanket	(185.28)				(424.02)			(609.30)
8830-1810	GSE-Dist-St Light Blanket	(10,469.21)	(4,565.81)	(380.00)		(35,713.89)			(51,128.91)
8830-1810	GSE-Dist-St Light Blanket	(3,308.79)	(913.11)	(528.00)		(9,574.73)			(14,324.63)
8830-1810	GSE-Dist-St Light Blanket		4,403.04			2,664.46			7,067.50
8830-1810	GSE-Dist-St Light Blanket	1,220.25	285.02	874.50		5,663.29		-	8,043.06
8830-1810	GSE-Dist-St Light Blanket	(73.22)				-			(73.22)
8830-1810	GSE-Dist-St Light Blanket					0.41			0.41
8830-1810	GSE-Dist-St Light Blanket	(582.62)	(1,627.39)			(2,291.46)			(4,501.47)
8830-1810	GSE-Dist-St Light Blanket	(182.24)	(141.22)			(462.27)			(785.73)
8830-1810	GSE-Dist-St Light Blanket	(525.42)	(556.99)			(1,522.39)			(2,604.80)
8830-1810	GSE-Dist-St Light Blanket	335.25	704.00			880.38		-	1,919.63
8830-1810	GSE-Dist-St Light Blanket	(1,723.38)	(1,473.87)			(5,356.92)			(8,554.17)
8830-1810 8830-1810	GSE-Dist-St Light Blanket	(1,282.11)	(528.53) 5,012.73			(3,556.64) 2,470.67			(5,367.28) 7,483.40
8830-1810	GSE-Dist-St Light Blanket GSE-Dist-St Light Blanket	(4 204 69)				(8,839.07)			(13,569.28)
8830-1810	GSE-Dist-St Light Blanket	(4,294.68)	(435.53)	(2,192.00)		(548.85)			(2,740.85)
8830-1810	GSE-Dist-St Light Blanket	(2,078.74)	(3,573.95)	(256.00)		(6,165.09)			(12,073.78)
8830-1810	GSE-Dist-St Light Blanket	(2,774.93)	(1,498.06)	(256.00)		(8,127.39)			(12,656.38)
8830-1810	GSE-Dist-St Light Blanket	(2,7,4.33)	(92.82)	(250.00)		(22.86)			(115.68)
8830-1810	GSE-Dist-St Light Blanket	(890.50)	(1,148.48)			(3,436.42)			(5,475.40)
8830-1811	GSE-Dist-Public Require Blanket	231.82	(=/= ::::)			(=,)			231.82
8830-1811	GSE-Dist-Public Require Blanket			334.75					334.75
8830-1811	GSE-Dist-Public Require Blanket					(727.67)			(727.67)
8830-1811	GSE-Dist-Public Require Blanket	12,204.96	33,819.20	142,002.30	5,458.79	132,026.55	455.46	-	325,967.26
8830-1811	GSE-Dist-Public Require Blanket	(841.90)				(2,519.79)			(3,361.69)
8830-1811	GSE-Dist-Public Require Blanket					40.22			40.22
8830-1811	GSE-Dist-Public Require Blanket					185.54			185.54
8830-1811	GSE-Dist-Public Require Blanket						7,445.46		7,445.46
8830-1811	GSE-Dist-Public Require Blanket		-						-
8830-1811	GSE-Dist-Public Require Blanket	(107.59)				(353.14)			(460.73)
8830-1811	GSE-Dist-Public Require Blanket	(398.08)				(788.05)			(1,186.13)
8830-1812	Dist-Damage&Failure Blanket					(212.08)			(212.08)
8830-1812	Dist-Damage&Failure Blanket		(26,226.00)			22,419.42			(3,806.58)
8830-1812	Dist-Damage&Failure Blanket	(42.454.76)	55,476.00	(5.466.47)		27,345.37	-		82,821.37
8830-1812	Dist-Damage&Failure Blanket	(12,151.76)	(3,160.16)	(5,166.47)		(84,375.46)			(104,853.85)
8830-1812	Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket	(209.12)	504.00	808.80		(522.68)			77.00
8830-1812 8830-1812	Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket	(1,111.68)	584.08			1,777.87 (2,896.99)			2,361.95 (4,008.67)
	Dist-Dailiage&railure Blatiket	(1,111.00)		(0)					
0020 1012	Diet Damago & Failuro Plankot	(17 204 20)	724 40			(71 C22 C2)			
8830-1812	Dist-Damage&Failure Blanket	(17,384.29)	724.40	(814.00)		(71,632.63)			(89,106.52)
8830-1812	Dist-Damage&Failure Blanket	(380.96)	724.40			(999.31)			(89,106.52) (1,380.27)
8830-1812 8830-1812	Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket			(814.00)		(999.31) (6,998.08)			(89,106.52) (1,380.27) 280.50
8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket	(380.96)	397.09			(999.31) (6,998.08) 112.43			(89,106.52) (1,380.27) 280.50 509.52
8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket	(380.96) (2,871.74)				(999.31) (6,998.08) 112.43 74.73			(89,106.52) (1,380.27) 280.50 509.52 232.24
8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket	(380.96) (2,871.74) (745.43)	397.09	10,150.32		(999.31) (6,998.08) 112.43 74.73 (1,668.83)			(89,106.52) (1,380.27) 280.50 509.52
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket	(380.96) (2,871.74)	397.09 157.51			(999.31) (6,998.08) 112.43 74.73			(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26)
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket Dist-Damage&Failure Blanket	(380.96) (2,871.74) (745.43) (5,200.82)	397.09 157.51	10,150.32		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03			(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85)
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2,871.74) (745.43)	397.09 157.51	10,150.32		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02)			(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2,871.74) (745.43) (5,200.82)	397.09 157.51 3,985.46 1,066.97 3,084.69	10,150.32		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95)			(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45)
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2,871.74) (745.43) (5,200.82) (1,228.24)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66)	10,150.32 (6,281.47) 25.00		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89)			(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55)
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2,871.74) (745.43) (5,200.82) (1,228.24)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30	10,150.32 (6,281.47) 25.00		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43			(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5,200.82) (1,228.24) (8,946.34)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66)	10,150.32 (6,281.47) 25.00		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 832.45			(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2,871.74) (745.43) (5,200.82) (1,228.24)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30	10,150.32 (6,281.47) 25.00 (426.85)		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43	1,533.65		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 1,362.36 (34,656.45) (178.55) 758.73 1,493.43
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5,200.82) (1,228.24) (8,946.34)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98	10,150.32 (6,281.47) 25.00 (426.85)		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 832.45 67.46	1,533.65		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2,871.74) (745.43) (5,200.82) (1,228.24) (8,946.34) 48.81 (3,037.37)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98	10,150.32 (6,281.47) 25.00 (426.85)		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 832.45 67.46	1,533.65		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (178.55) 758.73 1,493.43 1,649.92 6.00 (12,100.28)
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8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7,242.66)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15	10,150.32 (6,281.47) 25.00 (426.85)		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (23,67.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21	1,533.65		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73 1,649.92 6.00 (12,100.28) (33,092.89) (2,466.32) 756.21
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5,200.82) (1,228.24) (8,946.34) 48.81 (3,037.37) (7,242.66) (756.59)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70)		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12	1,533.65		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 6.00 (12,100.28) (33,092.89) (2,466.32) 756.21 (12.61)
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7,242.66)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34	10,150.32 (6,281.47) 25.00 (426.85)		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24,12 9,217.83	1,533.65		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 6.00 (12,100.28) (2,466.32) 756.21 (12.61) 15,837.14
8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.95) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7,242.66) (756.59)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70)		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (23,67.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52	1,533.65		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73 1,649.92 6.00 (12,100.28) (33,092.89) (2,466.32) 756.21 (12.61) 15,837.14
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5,200.82) (1,228.24) (8,946.34) 48.81 (3,037.37) (7,242.66) (756.59)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70)		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (23,67.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95)	1,533.65	-	(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 6.00 (12,100.28) (33,092.89) (2,466.32) 756.21 (12,61) 15,837.14 458.12 (3,928.08)
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.95) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7,242.66) (756.59)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70)		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77	1,533.65		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 (30,092.89) (2,466.32) 756.21 (12.61) (12.61) (15,837.14 458.12 (3,928.08) 437.86
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7,242.66) (756.59) 2.889.96 (1,097.13)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (23,67.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06	1,533.65		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73 1,649.92 6.00 (12,100.28) (33,092.89) (2,466.32) (756.21) (12.61) 15,837.14 458.12 (3,928.08) 437.86
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.95) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7,242.66) (756.59)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70)		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41)	1,533.65		(89,106.52) (1,380.27) (280.50 509.52 232.24 (2,414.26) (60,371.85) 1,362.36 (34,656.45) (178.55) (78.8.73 1,493.43 1,649.92 (2,466.32) 756.21 (12,61) 15,837.14 458.12 (3,928.08) 437.86
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7,242.66) (756.59) 2.889.96 (1,097.13)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (23,67.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06	1,533.65		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73 1,649.92 6.00 (12,100.28) (33,092.89) (2,466.32) (756.21) (12.61) 15,837.14 458.12 (3,928.08) 437.86
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7,242.66) (756.59) 2.889.96 (1,097.13)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (23,67.95) (111.89) 230.43 822.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03)	1,533.65		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 4,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 6.00 (12,100.28) (33,092.89) (2,466.32) 756.21 (12.61) 15,837.14 458.12 (3,928.08) 437.86 341.67 (50,040.53)
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7,242.66) (756.59) 2,889.96 (1,097.13)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 82.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03) 5,25	1,533.65	-	(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 1,362.36 (34,656.45) (178.55) 758.73 1,649.92 6.00 (12,100.28) (33,092.89) (2,466.32) (12,66.32) (12,66.32) (12,66.32) (12,66.32) (12,66.32) (12,66.32) (12,66.32) (13,928.08) 437.86 341.67 (50,040.53) (50,020) (20,25)
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7,242.66) (756.59) 2,889.96 (1,097.13)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51) (369.17)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9.217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03) 5.25 (7,521.77)	1,533.65		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 1,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 (2,466.32) 756.21 (12.61) 15,837.14 458.12 (3,928.08) 437.86 341.67 (50,040.53) (530.20) (50,020.99)
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.95) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7,242.66) (756.59) 2,889.96 (1,097.13) (12,038.11)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51) (369.17)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (23,677.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03) 5.25 (7,521.77) 295.24	1,533.65		(89,106.52) (1,380.27) (280.50 (509.52 (23.2.24 (2.414.26) (60,371.85) (400.03 (3,713.58) (1,362.36 (34,656.45) (178.55) 758.73 (4.93.43 (1,649.92 (4.66.32) 756.21 (12.61) (15,837.14 (458.12 (3,928.08) (437.86 (341.67 (50,040.53) (530.20) (20.25 (10,520.99) 972.15
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7.242.66) (756.59) 2.889.96 (1,097.13) (12,038.11) (2,999.22) (1,197.17)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51) (369.17)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01 (1,676.50) 15.00		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03) 5,25 (7,521.77) 295.24 (2,997.56)	1,533.65		(89,106.52) (1,380.27) (280.50 509.52 232.24 (2,414.26) (40,371.85) (400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) (788.73 1,493.43 1,649.92 6.00 (12,100.28) (2,466.32) 756.21 (12,61) 15,837.14 488.12 (3,928.08) 437.86 341.67 (50,040.53) (530.20) (20.25 (10,520.99) 972.15 (4,194.73)
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5,200.82) (1,228.24) (8,946.34) 48.81 (3,037.37) (7,242.66) (756.59) 2,889.96 (1,097.13) (12,038.11) (2,999.22) (1,197.17) (7,978.68) (4,141.59)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51) (369.17) 676.91 (775.48)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01 (1,676.50) 15.00		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (1111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03) 5.25 (7,521.77) 295.24 (2,997.56) (2,997.56) (2,5699.56) (13,929.19) 736.64	1,533.65		(89,106.52) (1,380.27) (280.50 (50).50
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.95) (2,871.74) (745.43) (5,200.82) (1,228.24) (8,946.34) 48.81 (3,037.37) (7,242.66) (756.59) 2,889.96 (1,097.13) (12,038.11) (2,999.22) (1,197.17) (7,978.68)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51) (369.17)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01 (1,676.50) 15.00		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (23,67.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03) 5,25 (7,521.77) 295.24 (2,997.56) (25,699.56)	1,533.65		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 4,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 6.00 (12,100.28) (33,092.89) (2,466.32) 756.21 (12.61) 15,837.14 458.12 (3,928.08) 437.86 341.67 (50,040.53) (530.20) 20.25 (10,520.99) 972.15 (4,194.73) (35,086.22) (18,070.78)
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7.242.66) (756.59) 2.889.96 (1,097.13) (12,038.11) (2,999.22) (1,197.17) (7,978.68) (4,141.59) 2,342.63	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51) (369.17) 676.91 (775.48)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01 (1,676.50) 15.00 (632.50)		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03) 5.25 (7,521.77) 295.24 (2,997.56) (25,699.56) (13,929.19) 736.64 (22,737.26)	(21,080.95)		(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (40,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 6.00 (12,100.28) (33,092.89) (2,466.32) 756.21 (12,61) 15,837.14 458.12 (3,928.08) 437.86 341.67 (50,040.53) (530.20) 972.15 (4,194.73) (35,086.22) (18,070.78) 1,049.46 (27,171.94) (21,080.95)
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5,200.82) (1,228.24) (8,946.34) 48.81 (3,037.37) (7,242.66) (756.59) 2,889.96 (1,097.13) (12,038.11) (2,999.22) (1,197.17) (7,978.68) (4,141.59)	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51) (369.17) 676.91 (775.48)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01 (1,676.50) 15.00		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03) 5.25 (7,521.77) 295.24 (2,997.56) (2,699.56) (13,929.19) 736.64 (22,737.26)		- (380.00)	(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 (2,466.32) 756.21 (12.61) (12,61) 458.12 (3,928.08) 437.86 341.67 (50,040.53) (530.20) 20.25 (10,520.99) 972.15 (4,194.73) (35,086.22) (18,070.78) 1,049.46
8830-1812 8830-1812	Dist-Damage&Failure Blanket	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7.242.66) (756.59) 2.889.96 (1,097.13) (12,038.11) (2,999.22) (1,197.17) (7,978.68) (4,141.59) 2,342.63	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51) (369.17) 676.91 (775.48) 312.82 (3,217.68)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01 (1,676.50) 15.00 (632.50)		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (23,677.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03) 5.25 (7,521.77) 295.24 (2,997.56) (22,699.56) (13,929.19) 736.64 (27,737.26)	(21,080.95)	- (380.00)	(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 (2,466.32) 756.21 (12,61) 15,837.14 458.12 (3,928.08) 437.86 341.67 (50,040.53) (530.20) 20.25 (10,520.99) 972.15 (4,194.73) 1,509.46 (27,171.94) (21,080.95) 49,619.27 648.96
8830-1812 8830-1812	Dist-Damage&Failure Blanket Di	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7.242.66) (756.59) 2.889.96 (1,097.13) (12,038.11) (2,999.22) (1,197.17) (7,978.68) (4,141.59) 2.342.63 8,147.94	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51) (369.17) 676.91 (775.48) 312.82 (3,217.68)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01 (1,676.50) 15.00 (632.50) (3,559.63) 3,087.50		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (23,67.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03) 5,25 (7,521.77) 295.24 (2,997.56) (25,699.56) (13,929.19) 736.64 (22,737.26) 18,740.88 207.39 528.37	(21,080.95)	- (380.00)	(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 1,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 (2,466.32) 756.21 (12,61) 15,837.14 458.12 (3,928.08) 437.86 341.67 (50,040.53) (530.20) 972.15 (4,194.73) (35,086.22) (18,070.78) 1,049.46 (27,171.94) (27,171.94) (27,171.94) (48.96
8830-1812 8830-1812	Dist-Damage&Failure Blanket Di	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7.242.66) (756.59) 2.889.96 (1,097.13) (12,038.11) (2,999.22) (1,197.17) (7,978.68) (4,141.59) 2,342.63	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51) (369.17) 676.91 (775.48) 312.82 (3,217.68)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01 (1,676.50) 15.00 (632.50)		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 822.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03) 5.25 (7,521.77) 295.24 (2,997.56) (22,699.56) (13,929.19) 736.64 (22,737.26) 18,740.88 207.39 528.37 (210.44)	(21,080.95)	- (380.00)	(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 400.03 (3,713.58) 1,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 (2,466.32) 756.21 (12.61) 15,837.14 458.12 (3,928.08) 434.67 (50,040.53) (530.20) 20.25 (10,520.99) 972.15 (4,194.73) (35,086.22) (18,070.78) 1,049.46 (27,171.94) (21,080.95) 49,619.27
8830-1812 8830-1813	Dist-Damage&Failure Blanket Di	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7.242.66) (756.59) 2.889.96 (1,097.13) (12,038.11) (2,999.22) (1,197.17) (7,978.68) (4,141.59) 2.342.63 8,147.94	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51) (369.17) 676.91 (775.48) 312.82 (3,217.68)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01 (1,676.50) 15.00 (632.50) (3,559.63) 3,087.50		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (23,67.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03) 5.25 (7,521.77) 295.24 (2,997.56) (25,699.56) (13,929.19) 736.64 (22,737.26) 18,740.88 207.39 528.37 (20.44) (10,289.12)	(21,080.95)	- (380.00)	(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 4,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 (2,466.32) 756.21 (12,61) 15,837.14 458.12 (3,928.08) 437.86 341.67 (50,040.53) (530.20) 20.25 (10,529.99) 972.15 (4,194.73) (35,086.22) (18,070.78) 1,049.46 (27,171.94) (21,080.95) 49,619.27 648.96 1,600.28
8830-1812 8830-1813 8830-1813 8830-1813 8830-1813	Dist-Damage&Failure Blanket Di	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7.242.66) (756.59) 2.889.96 (1,097.13) (12,038.11) (2,999.22) (1,197.17) (7,978.68) (4,141.59) 2.342.63 8,147.94	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51) (369.17) 676.91 (775.48) 312.82 (3,217.68)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01 (1,676.50) 15.00 (632.50) (3,559.63) 3,087.50		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (28,367.95) (111.89) 230.43 82.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35.560.41) (161.03) 5,25 (7,521.77) 295.24 (2,997.56) (2,699.56) (13,999.19) 736.64 (22,737.26) 18.740.88 207.39 528.37 (210.44) (10,289.12) (32.94)	(21,080.95)	- (380.00)	(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 1,362.36 (34,656.45) (178.55) (788.73 1,493.43 1,649.92 (2,406.32) 756.21 (12,61) 15,837.14 458.12 (3,928.08) 437.86 341.67 (50,040.53) (530.20) 20.25 (10,520.99) 972.15 (4,194.73) (35,086.22) (18,070.78) 1,049.46 (27,171.94) (21,080.95) 49,619.27 648.96 (26,69.72 (16,419.09) (138.60)
8830-1812 8830-1813	Dist-Damage&Failure Blanket Di	(380.96) (2.871.74) (745.43) (5.200.82) (1,228.24) (8.946.34) 48.81 (3.037.37) (7.242.66) (756.59) 2.889.96 (1,097.13) (12,038.11) (2,999.22) (1,197.17) (7,978.68) (4,141.59) 2.342.63 8,147.94	397.09 157.51 3,985.46 1,066.97 3,084.69 (66.66) 528.30 660.98 172.61 909.15 187.00 (36.73) 994.34 377.60 313.09 281.61 (765.51) (369.17) 676.91 (775.48) 312.82 (3,217.68)	10,150.32 (6,281.47) 25.00 (426.85) 6.00 (12.96) (2,705.70) 2,735.01 (1,676.50) 15.00 (632.50) (3,559.63) 3,087.50		(999.31) (6,998.08) 112.43 74.73 (1,668.83) (52,875.02) 400.03 (2,485.34) 270.39 (23,67.95) (111.89) 230.43 832.45 67.46 (9,222.56) (24,053.68) (1,709.73) 569.21 24.12 9,217.83 80.52 (2,830.95) 124.77 60.06 (35,560.41) (161.03) 5.25 (7,521.77) 295.24 (2,997.56) (25,699.56) (13,929.19) 736.64 (22,737.26) 18,740.88 207.39 528.37 (20.44) (10,289.12)	(21,080.95)	- (380.00)	(89,106.52) (1,380.27) 280.50 509.52 232.24 (2,414.26) (60,371.85) 4,362.36 (34,656.45) (178.55) 758.73 1,493.43 1,649.92 (2,466.32) 756.21 (12,61) 15,837.14 458.12 (3,928.08) 437.86 341.67 (50,040.53) (530.20) 20.25 (10,529.99) 972.15 (4,194.73) (35,086.22) (18,070.78) 1,049.46 (27,171.94) (21,080.95) 49,619.27 648.96 1,600.28

Docket No. DE 19-064 Exhibit 21 Attachment JED-3a

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8830-1813	GSE-Dist-Asset Replace Blanket	(185.28)				(554.55)					(739.83)
8830-1813	GSE-Dist-Asset Replace Blanket	827.04		380.00		1,270.34			-		2,477.38
8830-1813	GSE-Dist-Asset Replace Blanket		613.87			302.58					916.45
8830-1813	GSE-Dist-Asset Replace Blanket		214.19			251.91					466.10
8830-1813	GSE-Dist-Asset Replace Blanket		157.33	(8,500.00)		(28.96)					(8,371.63)
		(204.25)	137.33	(8,300.00)							
8830-1813	GSE-Dist-Asset Replace Blanket	(281.25)				(634.06)					(915.31)
8830-1813	GSE-Dist-Asset Replace Blanket	(478.15)				(1,230.34)					(1,708.49)
8830-1813	GSE-Dist-Asset Replace Blanket		(276.02)								(276.02)
8830-1813	GSE-Dist-Asset Replace Blanket			-							-
8830-1813	GSE-Dist-Asset Replace Blanket			(16,920.21)		(10,788.54)					(27,708.75)
8830-1813	GSE-Dist-Asset Replace Blanket		370.75			158.67					529.42
8830-1814	GSE-Dist-3rd Party Attach Blanket						2,982.52				2,982.52
8830-1814	GSE-Dist-3rd Party Attach Blanket						8,350.87				8,350.87
8830-1814	GSE-Dist-3rd Party Attach Blanket					109.25	8,330.87				109.25
				(44 200 46)			0.070.50	(602.04)			
8830-1814	GSE-Dist-3rd Party Attach Blanket			(11,289.46)		(4,577.13)	8,978.50	(603.91)			(7,492.00)
8830-1814	GSE-Dist-3rd Party Attach Blanket					0.12					0.12
8830-1814	GSE-Dist-3rd Party Attach Blanket	(477.44)		(568.75)	(615.00)	(1,106.74)	2,968.05		-		200.12
8830-1814	GSE-Dist-3rd Party Attach Blanket				85.45						85.45
8830-1814	GSE-Dist-3rd Party Attach Blanket				75.00	6.26					81.26
8830-1814	GSE-Dist-3rd Party Attach Blanket				-	0.00					0.00
8830-1814	GSE-Dist-3rd Party Attach Blanket	(186.78)		(105.00)	(235.00)	(645.17)	496.32				(675.63)
8830-1814	GSE-Dist-3rd Party Attach Blanket	(,		(====)	1,258,40	22.28					1,280.68
8830-1814	GSE-Dist-3rd Party Attach Blanket			(1,003.40)	(355.00)	(612.57)	1,159.90	(5.20)			(816.27)
				(1,003.40)	(355.00)		1,159.90	(5.20)			
8830-1814	GSE-Dist-3rd Party Attach Blanket		2,395.47			845.58					3,241.05
8830-1814	GSE-Dist-3rd Party Attach Blanket	697.78	863.20	35.00	10,128.70	4,496.17	(77,175.43)		-		(60,954.58)
8830-1814	GSE-Dist-3rd Party Attach Blanket	180.56	3,415.50	4,291.50	124,405.37	65,200.51			-		197,493.44
8830-1814	GSE-Dist-3rd Party Attach Blanket	(0.00)	-		(3,131.74)	(1,260.49)	6,348.68		-		1,956.45
8830-1814	GSE-Dist-3rd Party Attach Blanket						10,696.22				10,696.22
8830-1814	GSE-Dist-3rd Party Attach Blanket		2,486.95		375.00	1,262.73	(453.40)				3,671.28
8830-1814	GSE-Dist-3rd Party Attach Blanket		_,		(375.00)	(198.46)	453.40				(120.06)
8830-1823	GSE Distributed Generation Blanket	(00.71)			(373.00)	. ,	455.40				(136.41)
		(96.71)				(39.70)					, ,
8830-1823	GSE Distributed Generation Blanket					(1,190.10)					(1,190.10)
8830-1823	GSE Distributed Generation Blanket	(98.64)				(197.92)					(296.56)
8830-1823	GSE Distributed Generation Blanket	(101.50)				(264.50)					(366.00)
8830-1823	GSE Distributed Generation Blanket					72.39					72.39
8830-1823	GSE Distributed Generation Blanket	(101.50)				(202.75)					(304.25)
8830-1823	GSE Distributed Generation Blanket	, ,				,,	3,992.22				3,992.22
8830-1823	GSE Distributed Generation Blanket	(101.50)				(241.86)	-,				(343.36)
8830-1823	GSE Distributed Generation Blanket	(101.50)				(196.83)					(298.33)
8830-1823	GSE Distributed Generation Blanket						250.00				250.00
8830-1823	GSE Distributed Generation Blanket	(101.50)				(232.29)					(333.79)
8830-1801	Distribution Overhead Operations								-		-
8830-1827	IT System Oakville			75,605.05					(0.00)		75,605.05
8830-1827	IT System Oakville			125.00							125.00
8830-1827	IT System Oakville			11,510.56							11,510.56
8830-1827	IT System Oakville			6,054.79							6,054.79
8830-1827	IT System Oakville			154,925.62							154,925.62
								02.47			
8830-1827	IT System Oakville			7,758.90				92.17			7,851.07
8830-1827	IT System Oakville			2,367.20							2,367.20
8830-1827	IT System Oakville			14,663.19				709.73			15,372.92
8830-1827	E-TRACK - ELECTRONIC CUSTOMER INVOICING							422.53			422.53
8830-UNALLOC OH	Finance Unalloc Burden					(476,376.83)					(476,376.83)
8830-UNALLOC OH	Finance Unalloc Burden	70,324.03			7,775.73	(267,028.67)			-	(16,337.89)	(205,266.80)
8830-UNALLOC OH	Finance Unalloc Burden					(92,928.05)					(92,928.05)
8830-UNALLOC OH	Finance Unalloc Burden					(31,576.22)					(31,576.22)
8830-UNALLOC OH	Finance Unalloc Burden					352,622.82					352,622.82
		1 222 556 05		101.00	0 502 71				24.052.25		
8830-UNALLOC OH	Finance Unalloc Burden	1,223,556.05		181.90	8,503.71	#######################################			24,052.35		136,944.59
8830-UNALLOC OH	Finance Unalloc Burden					143,827.65					143,827.65
8830-UNALLOC OH	Finance Unalloc Burden	-	276,589.14			(212,165.22)					64,423.92
8830-AFUDC	AFUDC								14,861.56	(15,025.84)	(164.28)
8830-1810	DIST - STREET LIGHT BLANKET		0.02								0.02
8830-1814	DIST- 3RD PARTY ATTACHMENT BLANKET		0.72								0.72
8830-1812	DIST- DAMAGE & FAILURE BLANKET		25.56								25.56
8830-1812	DIST- DAMAGE & FAILURE BLANKET		56.20								56.20
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET		3.78								3.78
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET		0.40								0.40
8830-1838	DIST- NEW BUSINESS COMMERICAL BLANKET		0.34								0.34
8830-1838	DIST- NEW BUSINESS RESIDENTIAL BLANKET		1.44								1.44
8830-1860	Extend Pelham 14L4 to Salem		(9.78)								(9.78)
8830-1838	New Business Commercial Blanket		1.20								1.20
8830-C36431	Pelham-New 14L4 Fdr		(1.30)								(1.30)
8830-1859	Reconductor Brookdale Road		0.12								0.12
8830-1818	Rt 12 Road Widening, Walpole/Charlestown		(1.78)								(1.78)
8830-C36426	SCADA and Distribution Automation		85,700.00	86,230.00							171,930.00
0030-030420	SCAPA and Distribution Automation		03,700.00	00,230.00							20,352,909.91
											20,332,909.91

Above 8830 20,352,909.91
Total 20,352,909.91
Check -

Docket No. DE 19-064 Exhibit 21 Attachment JED-3a

Cost Element Cost Element Description

- 1 Labor
- 2 Material
- 3 Transfer to 106
- 4 Voucher
- 5 Outside Srvc
- 6 Overhead
- 7 COR
- 8 CIAC
- 9 AFUDC

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BUSINESS

CASE

PROJECT TITLE: GSE-Dist-Subs

PROJECT SPONSOR: CHRIS BROUILLARD

PROJECT LEAD: ANTHONY STRABONE

DATE: 09/06/2016

PROJECT ID: 8830-1705

BUSINESS PLAN NUMBER:

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Business Case

RECOMMENDATION:

This Blanket Project is for Distribution Substations-Addressing Damaged **Equipment About to Fail**

BACKGROUND

Substation damaged equipment found on inspection and equipment about to fail, local repairs as occurs throughout the year.

Includes:

Replacement due to failure caused by age, fatigue or deterioration.

ALTERNATIVES/OPTIONS

None

FINANCIAL ASSESSMENT

This blanket project is based on historical spending trends and anticipated year ahead activity in this investment category.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

None

IMPLEMENTATION/ACTION PLAN

The construction will take place under individual jobs numbers throughout the year.

REVIEWED BY:

DIRECTORNOP: Cophelto 1/12/17

FINANCE: Jeshafunderson 1-11-17

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LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY:	HOME OFFICE
Capital / Granite State Electric Co.	REF #: 8830-1705
PROJECT TITLE:	EXPECTED PROJECT
Dist-Subs Blanket	TOTAL: \$10,000
PROJECT TYPE (circle one):	
System Maint / System Project / Growth / PROJECT START DATE:	PROJECT END DATE:
1/1/2017	12/31/2017
CURRENT UTILITY	JOB COST/FWO #:
EARNINGS STATUS:	TOD COOM WOM.
Type of Capital Project:	
Growth	
Improvement Upgrades	
Infrastructure Replacement	
PROJECT DESCRIPTION & LOCATION:	
	lamaged substation equipment about to fail due to age,
fatigue or deterioration.	
IS THIS PROJECT GROWTH RELATED? IF "YES", DESCRIBE WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOPM NO	THE SPECIFIC LOCATION (MAP) AND LIST APPLICABLE DEVELOPERS IENT SERVICES REGARDING FUNDING).
PERMITTING REQUIREMENTS, INCLUDING POTENTIAL IMPA WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT. None	ACT ON EXISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED
COST ESTIMATE FOR TOTAL PROJECT, NATURE OF ESTIMATIMING OF SPENDING BY QUARTER, AND RISKS ASSOCIATE Cost estimates will be calculated on an individual	
WILL THERE BE ASSETS GREATER THAN \$5,000 THAT ARE C Yes, Asset Removal will be calculated on a job s	CURRENTLY IN SERVICE REMOVED AS A RESULT OF THIS PROJECT? pecific basis.

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Business Case

IF YES, PLEASE DETAIL THE SPECIFIC ASSETS THAT WILL BE REMOVED: 1. Original Cost of Plant to be removed (if known): Not known 2. What is the replacement cost of the plant being removed (if original cost not known)? Not known 3. Original Work Order of Plant to be removed (if known): Not known 4. Is the Plant being removed reusable? No What is the year of original installation of the plant being removed? Varied PROPOSED SOURCE OF FUNDS (COMPANY, DEVELOPER LXA, HUF, ETC.) The 2017 Approved Capital Budget. CATEGORY & STATUS OF PROJECT FINANCIAL SUMMARY NEXT ANTICIPATED TEST YEAR (tick as appropriate) Rate Recovery (over 18 months) Will this, and other approved projects, If yes, is customer affordability an issue? Safety cause a rate shock No Mandated X Impending Regulatory Obligation Have Health & Safety implications Rate Recovery-Immediate Return X Yes been considered? Has Environmental Compliance Rate Recovery (3 to 6 months) Yes review been done? Rate Recovery (6 to 12 months) Has Tech Services review been done? Ves Rate Recovery (12 to 18 months) Was this Capital Expenditure included Yes in the Annual Budget? ANALYSIS OF PROJECT VALUE CAPITAL EXPENDITURE BUDGET UTILIZATION Authorized To be spent in: Design/Engineering Amount Current Future External contractor costs Year Years \$10,000 \$10,000 (A) Capital budget Internal costs (B) Over (under) run vs. Budget Other costs (contingency) (C) (A+B) Total Estimated Project Cost Working capital requirements (D) Less Approved Spend to Date (E) Less Future Approval Requests (F) (C-D-E) Approval Amount Project Total Cost \$10,000 Requested (current application) Signature Requesting Party Region Director (\$250K) Region Vice President (\$500K) Region President (\$1M) Corp Senior VP (\$1.5M) Corp President (\$3M) Region Director (\$250K)

Attachment:

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BUSINESS

CASE

PROJECT TITLE

Rockingham Substation Transmission Supply

PROJECT SPONSOR:

Chris Brouillard

PROJECT LEAD:

Joel Rivera

DATE:

7/20/17

PROJECT ID

8830-1867

BUSINESS PLAN NUMBER:

(Assigned by Corporate Finance)

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RECOMMENDATION:

Engineering recommends the approval of \$50,000 for legal, permitting initiation, and preliminary engineering in 2017.

OBJECTIVE(S)

Begin preliminary engineering, ascertain permits and determine legal requirements, including reaching an agreement for ownership of transmission assets with National Grid.

BACKGROUND

- This project will install 2 new 115kV transmission supply lines from Golden Rock to Rockingham Substation.
- This entire project is estimated at \$5,500,000 and is expected to be completed in
- This project is part of the infrastructure improvements recommended per the Salem Area Study.

ALTERNATIVES/OPTIONS

Refer to the Salem Area Study for list of options and alternatives considered.

FINANCIAL ASSESSMENT

This project estimate is based on investment grade estimates. The estimate will be revised accordingly after preliminary engineering is completed.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

None

IMPLEMENTATION/ACTION PLAN

The construction will take place under an individual job number between 2017 -2021.

REVIEWED BY:

PROJECT LEADER:

Joel Rivera

DIRECTOR/VP:

FINANCE:

Docket No. DE 19-064 Attachment Staff 9-3.2 **Business Case** Page 7 of 32



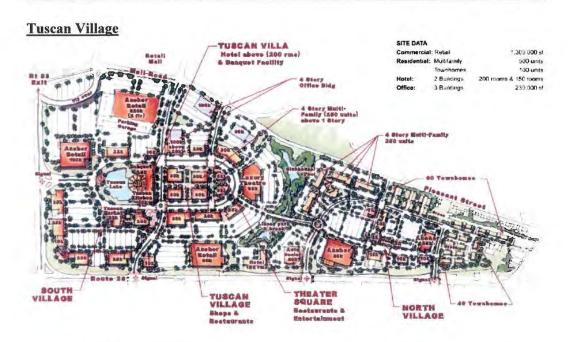
LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY:	HOME OFFICE
Capital / Granite State	REF #: 8830-1867
Electric Co.	
PROJECT TITLE:	EXPECTED PROJECT
Rockingham Substation	TOTAL: \$50,000
Transmission Supply	
PROJECT TYPE (circle System Maint / System Project one): / Growth / LXA	
PROJECT START DATE: 6/26/17	PROJECT END DATE: 12/31/21
CURRENT UTILITY EARNINGS STATUS:	JOB COST/FWO #:
Type of Capital Project:	
m : Growth	
D become the December	
☐ Improvement Upgrades	
☐ Infrastructure Replacement	
This project will install 2 new 115kV transmission supply lines fits this project growth related? If "YES", DESCRIBE THE SPEC WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOPMENT SER	IFIC LOCATION (MAP) AND LIST APPLICABLE DEVELOPERS
Yes - Tuscan Village development at the former Rockingham Park site.	VICES REGARDING FUNDING).
PERMITTING REQUIREMENTS, INCLUDING POTENTIAL IMPACT ON E WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT. Site Licensing and Environmental Permitting as required.	XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED
WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT. Site Licensing and Environmental Permitting as required. COST ESTIMATE FOR TOTAL PROJECT, NATURE OF ESTIMATE (FIRM TIMING OF SPENDING BY QUARTER, AND RISKS ASSOCIATED WITH O	FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED),
WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT. Site Licensing and Environmental Permitting as required. COST ESTIMATE FOR TOTAL PROJECT, NATURE OF ESTIMATE (FIRM TIMING OF SPENDING BY QUARTER, AND RISKS ASSOCIATED WITH OF THE Investment grade estimate for the entire project is \$5,500,000 - This business will there be assets greater than \$5,000 that are currently	FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED), COST ESTIMATES. s covers preliminary engineering, legal, and permitting only.
WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT. Site Licensing and Environmental Permitting as required. COST ESTIMATE FOR TOTAL PROJECT, NATURE OF ESTIMATE (FIRM TIMING OF SPENDING BY QUARTER, AND RISKS ASSOCIATED WITH OTHE investment grade estimate for the entire project is \$5,500,000 – This busines: WILL THERE BE ASSETS GREATER THAN \$5,000 THAT ARE CURRENTI yes	FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED), COST ESTIMATES. covers preliminary engineering, legal, and permitting only. LY IN SERVICE REMOVED AS A RESULT OF THIS PROJECT?
WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT. Site Licensing and Environmental Permitting as required. COST ESTIMATE FOR TOTAL PROJECT, NATURE OF ESTIMATE (FIRM TIMING OF SPENDING BY QUARTER, AND RISKS ASSOCIATED WITH OF The investment grade estimate for the entire project is \$5,500,000 - This business will there be assets greater than \$5,000 that are currently yes IF YES, PLEASE DETAIL THE SPECIFIC ASSETS THAT WILL BE REMOVED.	FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED), COST ESTIMATES. covers preliminary engineering, legal, and permitting only. LY IN SERVICE REMOVED AS A RESULT OF THIS PROJECT?
WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT. Site Licensing and Environmental Permitting as required. COST ESTIMATE FOR TOTAL PROJECT, NATURE OF ESTIMATE (FIRM TIMING OF SPENDING BY QUARTER, AND RISKS ASSOCIATED WITH OF The investment grade estimate for the entire project is \$5,500,000 — This business WILL THERE BE ASSETS GREATER THAN \$5,000 THAT ARE CURRENTING SPENDING SPEN	FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED), COST ESTIMATES. COVERS preliminary engineering, legal, and permitting only. LY IN SERVICE REMOVED AS A RESULT OF THIS PROJECT? ED:
WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT. Site Licensing and Environmental Permitting as required. COST ESTIMATE FOR TOTAL PROJECT, NATURE OF ESTIMATE (FIRM TIMING OF SPENDING BY QUARTER, AND RISKS ASSOCIATED WITH OF The investment grade estimate for the entire project is \$5,500,000 — This business WILL THERE BE ASSETS GREATER THAN \$5,000 THAT ARE CURRENTIVES IF YES, PLEASE DETAIL THE SPECIFIC ASSETS THAT WILL BE REMOV Original Cost of Plant to be removed (if known): What is the replacement cost of the plant being removed (if original cost of Plant to be removed (if known):	FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED), COST ESTIMATES. COVERS preliminary engineering, legal, and permitting only. LY IN SERVICE REMOVED AS A RESULT OF THIS PROJECT? ED:
WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT. Site Licensing and Environmental Permitting as required. COST ESTIMATE FOR TOTAL PROJECT, NATURE OF ESTIMATE (FIRM TIMING OF SPENDING BY QUARTER, AND RISKS ASSOCIATED WITH OF The investment grade estimate for the entire project is \$5,500,000 — This business WILL THERE BE ASSETS GREATER THAN \$5,000 THAT ARE CURRENTING SPENDING SPEN	FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED), COST ESTIMATES. COVERS preliminary engineering, legal, and permitting only. LY IN SERVICE REMOVED AS A RESULT OF THIS PROJECT? ED:

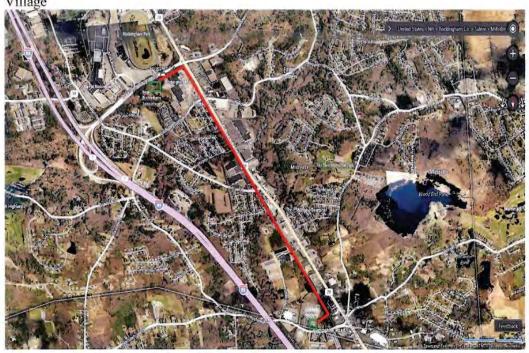
Docket No. DE 19-064 Attachment Staff 9-3.2 Business Case

PROPOSED SOURCE OF FUNDS (0 2017 Damage/Failure Blanket Fundin		ELOPER LX	A, HUF, ETC.)			
CATEGORY & STATUS OF PROJE	CT	FINANCIA	L SUMMARY			
(tick as appropriate)		NEXT AN	FICIPATED TEST YEAR			
		Rate Recov	ery (over 18 months)	X		
		Will this a	nd other approved projects,		If yes, is	čustomer
Safety		cause a rate		No		lity an issue?
Mandated			- 1			
Impending Regulatory Obligation		Sec. 5.00	A CONTRACT OF THE STATE OF			
Rate Recovery-Immediate Return		Have Healt been consid	h & Safety implications lered?	Yes		
Rate Recovery (3 to 6 months)		Has Enviro	nmental Compliance	No		
Rate Recovery (6 to 12 months)		- Carlo and a second	ervices review been done?	11		
Rate Recovery (12 to 18 months)						
Was this Capital Expenditure included in the Annual Budget?	l No	What amou	nt was budgeted?			
ANALYSIS OF PROJECT VALUE Cost) Design/Engineering	(Total Ultimate	CAPITAL	EXPENDITURE BUDGET U	JTILIZATION Authorized	To be spent in:	
Material				Amount	Current	Future
External contractor costs	-	(A) Conital	66	\$50,000	Year	Years
Internal costs Other costs (contingency)	-	(A) Capital	nder) run vs. Budget	\$50,000	\$50,000	\$4,550,000
Working capital requirements	-	- 1000000000000000000000000000000000000	Total Estimated Project Cost			
			pproved Spend to Date			
		-	ture Approval Requests) Approval Amount			
Project Total Cost	\$5,500,000		(current application)	\$50,000	\$50,000	
	Name		Signature	Date		1
Requesting Party C	hris Brouillard		continuation	2 7/10	117	+
Director France 7	Sha Sano	tesm	Josha Kinde	Men 871/	17	
	raid Juni	nings	MARCHINA	1 811	17	T
CFO		1	1 / 1 / 1			
CrO						

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New 115kV Line Extensions - New Rockingham Substation to be located at Tuscan Village



Docket No. DE 19-064 Exhibit 21 Attachment JED-3b

Docket No. DE 19-064

L. GAttachment Staff 9-3.2
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BUSINESS

CASE

PROJECT TITLE

GSE-Bare Conductor Replacement Program

PROJECT SPONSOR:

Chris Brouillard Joel Rivera

PROJECT LEAD: DATE:

02-23-17 8830-C18603

PROJECT ID
BUSINESS PLAN NUMBER:

(Assigned by Corporate Finance)

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Business Case

RECOMMENDATIONS

- The program project will replace bare conductors with tree resistant wires in areas
 prone to tree contact to resolve and/or improve reliability performance.
- · This is being recommended for approval for a budgeted item.
- The total capital project cost is estimated at \$1,625,000 in 2017.
- The expected start date is January 1, 2017 and the expected completion date is December 31, 2017.

OBJECTIVE(S)

This program project includes:

- · Replacement of bare conductors to minimize tree related interruptions.
- Associated construction necessary to accommodate the installation of spacer cable or tree wire

BACKGROUND

Bare mainline primary conductors are targeted for replacement with spacer cable. Spacer cable is installed in areas prone to tree outages that are too costly to rely on vegetation management practices alone to mitigate feeder lockouts. The application of spacer cable, a covered conductor resistant to tree related outages, significantly improves mainline circuit performance during windy and stormy conditions as well as affording protection against incidental tree-conductor contact at the end of the trim cycle and contact resulting from branches falling from above the trim zone.

ALTERNATIVES/OPTIONS

None

FINANCIAL ASSESSMENT

• This program project is based on the Reliability Enhancement Program for 2017. We have reviewed the proposal with PUC staff and anticipate approval by the NH PUC at the time of the reconciliation filing in the Spring of 2018. Recovery of the investments made under this project is expected to commence on May 1, 2018. It is anticipated that the overall capital investment for 2017 will result in a 1.5% revenue increase.

RISK ASSESSMENT AND QUALITATIVE EVALUATION .

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Busi	ness	Case
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 None – The program is regulatory supported and funded, subject to NH PUC review and approval.

IMPLEMENTATION/ACTION PLAN

The construction will take place under an individual job numbers throughout the year.

REVIEWED BY:

PROJECT LEADER:

DIRECTOR/VP:

FINANCE: Jesta O, Sunderson 2/28/17

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Business Case



LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY:	Capital / Granite State Electric Co.	HOME OFFICE REF #: 8830-C18603	
PROJECT TITLE:	GSE-Bare Conductor Replacement Program	EXPECTED PROJECT TOTAL: \$1,625,000	
PROJECT TYPE (circle one):	System Maint / System Project / Growth / LXA		
PROJECT START DATE:	1/1/2017	PROJECT END DATE:	12/31/2017
CURRENT UTILITY EARNINGS STATUS:		JOB COST/FWO #:	
Type of Capital Project:			
Growth inprovement Upgrades Infrastructure Replacement	21		
IS THIS PROJECT GROWTH REL	ace bare conductors to resolve and/ ATED? IF "YES", DESCRIBE THE SPEC	DEFIC LOCATION (MAP) AND LIS	
No	(CONSULT WITH DESTRUCTION	VICES REGIRESING FORESANDI.	
PERMITTING REQUIREMENTS, WITH OBTAINING APPROPRIAT Licensing and Environmental Permit		XISTING PERMITS, AND TIMING	G OF AND RISKS ASSOCIATED
COST ESTIMATE FOR TOTAL PI TIMING OF SPENDING BY QUAI \$1,500,000	ROJECT, NATURE OF ESTIMATE (FIRM RTER, AND RISKS ASSOCIATED WITH (FIXED PRICE, INTERNALLY OR COST ESTIMATES.	EXTERNALLY GENERATED),
WILL THERE BE ASSETS GREAT Asset Removal will be calculated on IF YES, PLEASE DETAIL THE SP 1. Original Cost of Plant to 2. What is the replacement 3. Original Work Order of I 4. Is the Plant being remove	ECIFIC ASSETS THAT WILL BE REMOV be removed (if known): Not Known cost of the plant being removed (if original c Plant to be removed (if known): Not known	/ED: ost not known)? Not known	RESULT OF THIS PROJECT?

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Business Case

PROPOSED SOURCE OF FUNDS (C The 2017 Approved Capital Budget.	COMPANY, DEV	ELOPER LX	A, HUF, ETC.)			
CATEGORY & STATUS OF PROJE	СТ	FINANCIA	AL SUMMARY			
(tick as appropriate)		NEXT ANTICIPATED TEST YEAR				
		Rate Reco	very (over 18 months)			
Safety		Will this, and other approved projects, cause a rate shock		No	If yes, is customer affordability an issue?	
Mandated	-					
Manualcu Impending Regulatory Obligation	X	-				
Rate Recovery-Immediate Return	x	Have Health & Safety implications been considered? Has Environmental Compliance review been done? Has Tech Services review been done?		Yes		
Rate Recovery (3 to 6 months)				Yes		
Rate Recovery (6 to 12 months)				Yes		
Rate Recovery (12 to 18 months)			swarted same marking	- 12		
Was this Capital Expenditure include in the Annual Budget?	d Yes	What anio	unt was budgeted? \$1,300,000)		
ANALYSIS OF PROJECT VALUE		CAPITAL EXPENDITURE BUDGET UTILIZATION				
Design/Engineering				Authorized	To be spent in:	
Material				Amount	Current	Future
External contractor costs					Year	Years
Internal costs		(A) Capita		\$1,300,000	\$1,300,000	
Other costs (contingency)		(B) Over (under) run vs. Budget (C) (A+B) Total Estimated Project Cost		\$325,000	\$325,000 \$1,625,000	
Working capital requirements			ipproved Spend to Date	\$1,023,000	\$1,023,000	
			uture Approval Requests		11	
Project Total Cost	\$1,625,000		Approval Amount (current application)	\$1,625,000	\$1,625,000	
T	Name		Signature	Date		-
Requesting Party (Chris Brouillard		applica	3/1	17	
	Tisha Sanderson		Jak halaxan	dellen	2/28/17	
Region Vice President (\$500K)	raig Jeonings		THOUS OF MICH	1 3/2	17	1.20
****	ames Sweeney		Josephon J. A.	7 312	117	
Care Caria Im (C) CAD	ierald Tremblay	(VIII	17 31	9/17	
	David Pasicka	_				

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Docket No. DE 19-064 Exhibit 21 Attachment JED-3b

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BUSINESS

CASE

PROJECT TITLE

GSE-Charlestown 32 Dline

PROJECT SPONSOR:

Chris Brouillard

PROJECT LEAD:

Joel Rivera

DATE:

09-13-16

PROJECT ID

8830-C18620

BUSINESS PLAN NUMBER:

(Assigned by Corporate Finance)

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RECOMMENDATION:

- This Project will provide Distribution Line work needed for retirement of the 8L1 feeder at the Charlestown No. 32 substation in Charlestown, NH and the addition of a new feeder from Michael Ave Substation.
- Install approximately 1,300ft of 1000 MCM Cu from new 40L2 breaker to new riser at pole 7 Michael Ave on existing UG conduit system.
- Install approximately 3,500ft of 477 Spca from Pole 7 Michael Ave to P67 Old Claremont Rd.
- Install 3-167kVA regulators on P44 Route 12. These regulators will be used under emergency to pick up load from Vilas Bridge.
- This is being recommended as approval for a budgeted item.
- The total capital project cost is estimated at \$316,992 in 2017.
- The expected start date is January 1, 2017 and the expected completion date is December 31, 2017.

OBJECTIVE(S)

This Project will provide Distribution Line work needed for modifications or retirement at the Charlestown No. 32 substation in Charlestown, NH and the addition of a new feeder from Michael Ave Substation.

BACKGROUND

Distribution line work will be required to facilitate the retirement of the Charlestown No. 32 substation and the addition of a new feeder from Michael Ave substation.

ALTERNATIVES/OPTIONS

None

FINANCIAL ASSESSMENT

None

RISK ASSESSMENT AND QUALITATIVE EVALUATION

None

IMPLEMENTATION/ACTION PLAN

The construction will take place under an individual job number throughout the year.

PROJECT LEADER:
DIRECTOR/VP: Ophulla a 1/12/17
FINANCE: July A Jundelson 1/12/17

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LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY:	Capital / Granite State Electric Co.	HOME OFFICE REF #: 8830-C18620
PROJECT TITLE:	GSE-32 D Line Charlestown, NH- Specific	EXPECTED PROJECT TOTAL: \$316,992
PROJECT TYPE (circle one):	System Maint / System Project / Growth / LXA	
PROJECT START DATE:	1/1/2017	PROJECT END DATE: 12/31/2017
CURRENT UTILITY EARNINGS STATUS:		JOB COST/FWO #:
Type of Capital Project:		
Growth Improvement Upgrades Infrastructure Replaceme	nt	
		w feeder from Michael Ave substation to be use for , NH
IS THIS PROJECT GROWTH REI WHERE GROWTH WILL OCCUR No	ATED? IF "YES", DESCRIBE THE SPEC R (CONSULT WITH DEVELOPMENT SER	CIFIC LOCATION (MAP) AND LIST APPLICABLE DEVELOPERS VICES REGARDING FUNDING).
PERMITTING REQUIREMENTS, WITH OBTAINING APPROPRIA Licensing and Environmental Perm	TE PERMITS FOR PROJECT.	XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED
COST ESTIMATE FOR TOTAL P TIMING OF SPENDING BY QUA \$500,000	ROJECT, NATURE OF ESTIMATE (FIRM RTER, AND RISKS ASSOCIATED WITH	FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED), COST ESTIMATES.
WILL THERE BE ASSETS GREA Yes IF YES, PLEASE DETAIL THE SI 1. Original Cost of Plant to 2. What is the replacement 3. Original Work Order of 4. Is the Plant being remov	PECIFIC ASSETS THAT WILL BE REMOVED be removed (if known): Not Known cost of the plant being removed (if original or Plant to be removed (if known): Not known	ost not known)? Not known

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Business Case

CATEGORY & STATUS OF PROJECT	L	FINANCIAL	SUMMARY				
(tick as appropriate)		NEXT ANT	ICIPATED TEST YEAR				
		D. D. D.	10				
		Kate Recove	ery (over 18 months)	X			
Safety		Will this, an cause a rate	d other approved projects, shock	No	If yes, is cur affordability	stomer y an issue?	
Mandated	X						
Impending Regulatory Obligation		17. 17. 10	B. Carla Carla Darkana				
Rate Recovery-Immediate Return		been consid	& Safety implications ered?	Yes			
Rate Recovery (3 to 6 months)		Has Enviror	mental Compliance				
		review been	AND THE RESERVE TO SERVE THE PROPERTY OF THE PERTY OF THE				
Rate Recovery (6 to 12 months) Rate Recovery (12 to 18 months)	-	Has Tech Se	ervices review been done?				
Nate Necovery (12 to 16 months)							
Was this Capital Expenditure included in the Annual Budget?	Yes	What amoun	nt was budgeted? \$500,000	1. 1			
ANALYSIS OF PROJECT VALUE Design/Engineering		CAPITAL E	EXPENDITURE BUDGET	Authorized	To be spent in:		
Material External contractor costs				Amount	Current Year	Future	
Internal costs		(A) Capital	budget	\$316,992	\$316,992	Tear.	
Other costs (contingency)			nder) run vs. Budget	3837035	77,538,8		
Working capital requirements			Total Estimated Project Cost				
A ANDROGRAM STATES OF			proved Spend to Date				
			ture Approval Requests				
Project Total Cost	\$316,992		Approval Amount current application)		1		
	Nam	e	Signature	Date	-1		
Requesting Party C	8 Boom	land	antaller	7 111	12/17/	1	
Region Director (\$250K)	Isha.	Sander	Car Line	Morlono	lan 1/12	117	
Region Director (\$230K)	MIGTE	Mount	au Mu	1/30	107	77	
Region Vice President (\$500K)	2000		- 0 / 1 0		*		
Region Vice President (\$500K) Region President (\$1M)	2 40	0				1	
Region Vice President (\$500K)		0					

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BUSINESS

CASE

PROJECT TITLE: GSE-MT SUPPORT -New 16L3 FEEDER SPECIFIC

PROJECT SPONSOR: CHRIS BROUILLARD

PROJECT LEAD: ANTHONY STRABONE

DATE: 09/15/2016

PROJECT ID: 8830-C36424

BUSINESS PLAN NUMBER:

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RECOMMENDATION:

Construct a new 13 kV Distribution Feeder (16L3) to be fed from Mount Support Substation. The 16L3 will exit Mount Support Substation via a manhole and duct system and continue underground along Medical Center Drive to a riser pole located on Route 120. The 16L3 will continue overhead, North along Route 120 in the Town of Hanover where it will connect to existing area circuits currently fed from Hanover Substation.

BACKGROUND

Identified in the Lebanon, NH Supply and Distribution Study published by National Grid on behalf of Liberty Utilities in 2013, the area Distribution Circuits fed from the Hanover Substation were exceeding their design criteria due to area circuit loading. This included exceeding thermal loading limits and contingency support during system abnormalities. The recommended solution to mitigate these issues is to construct the 16L3 circuit and reconfigure the area circuits.

An average annual load growth of 1.8% from 2012 through 2028, excluding spot load additions, is predicted for the Lebanon Area. Spot Load additions include larger commercial customers looking to expand their facilities such as Dartmouth College; Dartmouth Hitchcock Medical Center and Hypertherm.

To mitigate the risk beyond the equipment long term thermal ratings, the plan recommends that Liberty expand the 13 kV Bus at Mount Support Substation, including two new low profile distribution feeders. The scope of work will also include installation of additional equipment to construct the 13 kV Bus to a breaker and a half configuration.

Construction of the 16L3 is an essential component of the overall recommended Lebanon Area solution: Expansion of Mount Support #16 Substation.

ALTERNATIVES/OPTIONS

The 16L3 circuit position was central to the overall recommended solution of expanding the Mt. Support substation in Lebanon, NH with a second transmission supply line, second 115/13kV transformer, and two new 13kV feeder positions.

Other alternatives considered for the Lebanon Area can be found in the Lebanon, NH Supply and Distribution Study which is located in the appendix of this document.

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FINANCIAL ASSESSMENT

The total estimated cost for this project is \$1,200,000. The in-service target date for this project is December, 2016. 2015 is a test year for Granite State Electric and recognition of this project by the NH PUC as a Step Increase Project in the upcoming Granite State Electric Company rate case is expected. This will allow for more timely recovery of the investment.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

None

IMPLEMENTATION/ACTION PLAN

Construction of the new 16L3 13 kV Distribution Feeder will take place on a schedule paralleling the construction of the substation expansion.

REVIEWED BY:

PROJECT LEADER:

DIRECTORNP: C.P. graniles

FINANCE: Jusha Sunderson 1/15/17

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LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY:	HOME OFFICE
Capital / Granite State	REF #: 8830-C36424
Electric Co.	
PROJECT TITLE:	EXPECTED PROJECT
GSE-Dist-Mt.Support-New 16L3 Feeder	TOTAL: \$1,200,000
PROJECT TYPE (circle one):	
System Maint / System Project / Growth_/	
PROJECT START DATE:	PROJECT END DATE:
5/1/2014	12/31/2017
CURRENT UTILITY	JOB COST/FWO #:
EARNINGS STATUS:	
Type of Capital Project:	
The second of the second	
Growth	
Improvement Upgrades	
Infrastructure Replacement	
Intrastructure Replacement	
Medical Center Drive to a riser pole located on	ole and duct system and continue underground along Route 120. The 16L3 will continue overhead, North it will connect to existing area load currently feed from
IS THIS PROJECT GROWTH RELATED? IF "YES' APPLICABLE DEVELOPERS WHERE GROWTH W REGARDING FUNDING). No	, DESCRIBE THE SPECIFIC LOCATION (MAP) AND LIST ILL OCCUR (CONSULT WITH DEVELOPMENT SERVICES
APPLICABLE DEVELOPERS WHERE GROWTH W REGARDING FUNDING). No PERMITTING REQUIREMENTS, INCLUDING POT AND RISKS ASSOCIATED WITH OBTAINING API	ILL OCCUR (CONSULT WITH DEVELOPMENT SERVICES ENTIAL IMPACT ON EXISTING PERMITS, AND TIMING OF

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WILL THERE BE ASSETS GR RESULT OF THIS PROJECT?		N \$5,000	THAT IS CURRENTLY	Y IN SERVICE	REMOVED AS	Α
 Original Work Order o Is the Plant being remo 	to be removed at cost of the p of Plant to be re ved reusable?	(if known) lant being emoved (if No): Not Known removed (if original cos		Not Known	
PROPOSED SOURCE OF FUNDS (CC This project is fully funded in						
CATEGORY & STATUS OF PROJEC	T'	FINANCIA	L SUMMARY			
(tick as appropriate)		NEXT ANT	TICIPATED TEST YEAR			
		Rate Recov	ery (over 18 months)			
Safety		Will this, ar	nd other approved projects, shock	No	If yes, is cust affordability	
Mandated						
Impending Regulatory Obligation		Have Healt	h & Safety implications	1		
Rate Recovery-Immediate Return		been consid	ered?	Yes		
Rate Recovery (3 to 6 months)	1.0	review beer	nmental Compliance i done?	Yes		
Rate Recovery (6 to 12 months) (STEP Increase Project) Rate Recovery (12 to 18 months)	Х	Has Tech S	ervices review been done?	Yes		
Was this Capital Expenditure included in the Annual Budget?	Yes					
ANALYSIS OF PROJECT VALUE		CAPITAL	EXPENDITURE BUDGET U	JTILIZATION		
Design/Engineering				Authorized	To be spent in:	
External contractor costs				Amount	Current Year	Future Years
Internal costs		(A) Capital	budget	\$1,200,000	(2017) \$50,000	\$50,000
Other costs (contingency)		(B) Over (u	nder) run vs. Budget			
Working capital requirements			Total Estimated Project Cost pproved Spend to Date			
			ture Approval Requests			
Project Total Cost	\$1,200,000	(F) (C-D-E	Approval Amount (current application)			
	Name		Signature	ı	Date	
Requesting Party	Chris Broui	llard	selfant Die	1/13	117	
Region Director (\$250K)	Isha S	indon	With hillia	tanden	m 1/12	117
Region Vice President (\$500K)	101100	6466	7	in the second		
Region President (\$1M)						
Corp Senior VP (\$1.5M)						
Corp President (\$3M)						

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BUSINESS

CASI

PROJECT TITLE: INSTALL SPLICES - 6L2 & 6L4 DISTRIBUTION CIRCUITS

PROJECT SPONSOR: LIBERTY UTILITIES - EAST

PROJECT LEAD: ANTHONY STRABONE

DATE: 3/9/16

PROJECT ID: 8830-C42921 BUSINESS PLAN NUMBER:

RECOMMENDATION:

Install Splices on the 6L2 and 6L4 underground distribution circuits in the Hanover area in order to replace existing splices which are failing in service.

OBJECTIVE(S)

The objective of this project is to replace H, T and Y splices on the 6L2 and 6L4 distribution circuits due to identified issues with contractor workmanship and quality when the splices were installed.

BACKGROUND

On 2/6/16 Liberty experienced a failure of an H splice on its 6L4 Underground Distribution Circuit. Failure of this splice resulted in a lengthy outage for customers in the Hanover Area; which included Dartmouth College. Upon review of the splice failure, it has been determined this splice failed due to poor workmanship when installed. Liberty has identified 23 other splices that were installed by the same Contractor as the failed spliced. Similar splices have failed on these circuits in the past.

ALTERNATIVES/OPTIONS

Discussion of Options

Option 1: Do nothing- Replace splices as future failures occur

Funding for this option will only be needed when a failure has occurred and therefore the
financial impact is minimal when compared to Options 2 & 3. Taking into consideration that a
splice failure will impact electric service to the area load, which includes Dartmouth College,
electric service reliability will be negatively impacted and may result in complaints from those
affected by these failures, also resulting in a negative impact to the Liberty brand name

Option 2: Closely monitor splices by increasing inspections (i.e. monthly/bi-monthly) and replace any splices that have signs of deteriorating.

This option is a hybrid between options 1 & 3. The intent of this option is to identify failures
before they occur by continuously conducting inspections; however, a splice failure between
inspections is possible. This option has the potential to last many years until all splices have
been replaced and thus becomes the most costly option. It also is likely to result in an
increasing failure frequency over time.

Option 3: Proactively replace splices.

Unlike options 1 & 2, this option has a definitive timeline and financial requirement to

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complete replacement of all targeted splices. Funding this option will have an impact on the 2016/17 Capital Budget and may result in postponement and/or scope reduction of other 2016/17 Capital Projects. This option is the recommended option.

FINANCIAL ASSESSMENT

The total replacement cost for these splices and associated cable is estimated to cost \$150,000. However, half the splices will be replaced in 2016 and the other half in 2017. Estimate cost for each year is \$75,000.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

All work will be performed in accordance with Liberty and industry approved standards; policies & procedures; and safeguards. There is no unique risk associated with this work.

IMPLEMENTATION/ACTION PLAN

We will utilize a reputable Electrical Contractor who is familiar with Liberty's Underground Standards and replace the identified underground cable splices on the 6L2 and 6L4 Distribution Circuits. The work will be closely monitored by a field construction coordinator and/or engineer. This project will occur over a two year period with splice replacements for the 6L4 circuit occurring in 2016 and splice replacements for the 6L2 circuit occurring in 2017.

REVIEWED BY:

PROJECT LEADER: ANTHONY STRABONE

DIRECTOR/VP:

FINANCE:

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LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY:	HOME OFFICE
Liberty Utilities East (NH)	REF #:Job 8830-
The second of th	18002089; Project
	8830-C42921
PROJECT TITLE;	EXPECTED PROJECT
REPLACE SPLICES ON THE 6L2 AND 6L4 CIRCUITS	TOTAL: \$150,000
PROJECT TYPE (circle one): / System Project / Growth / LXA	
PROJECT START DATE:	PROJECT END
4/1/16	DATE:
	11/1/17
CURRENT UTILITY	JOB COST/FWO
EARNINGS STATUS:	#:
Type of Capital Project:	
Growth	
Improvement Upgrades	
* Infraremente Replacement	
PROJECT DESCRIPTION & LOCATION:	
Hanover, NH- Proactively replace identified suspect spli	ces on the 6L2 and 6L4 underground
Hallover, NH- Floactively replace identified suspect spin	to a serior to failure in all disconserses
distribution circuits in the Hanover area with straight spl	ices prior to failure including necessary
cable to facilitate splicing.	
IS THIS PROJECT GROWTH RELATED? IF "YES", DESCRIBE THE SPECIFIC	C LOCATION (MAP) AND LIST APPLICABLE
DEVELOPERS WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOP	
NO	
PERMITTING REQUIREMENTS, INCLUDING POTENTIAL IMPACT ON EXIS	TING PERMITS AND TIMING OF AND RISKS
ASSOCIATED WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT.	THIS I EXMITS, AND THIRD OF AND KISKS
N/A	
COST ESTIMATE FOR TOTAL PROJECT, NATURE OF ESTIMATE (FIRM FIX	
COST ESTIMATE FOR TOTAL PROJECT, NATURE OF ESTIMATE (FIRM FIX GENERATED), TIMING OF SPENDING BY QUARTER, AND RISKS ASSOCIA	TED DRICE INTERNALLY OR EVTERNALLY
	ED PRICE, INTERNALLY OR EXTERNALLY TED WITH COST ESTIMATES.
A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ED PRICE, INTERNALLY OR EXTERNALLY TED WITH COST ESTIMATES.
\$150,000	TED WITH COST ESTIMATES.
	TED WITH COST ESTIMATES.
\$150,000 WILL THERE BE ASSETS GREATER THAN \$5,000 THAT ARE CURRENTLY No	TED WITH COST ESTIMATES. IN SERVICE REMOVED AS A RESULT OF THIS PROJECT?
\$150,000 WILL THERE BE ASSETS GREATER THAN \$5,000 THAT ARE CURRENTLY	TED WITH COST ESTIMATES. IN SERVICE REMOVED AS A RESULT OF THIS PROJECT?

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2. What is the replacement of	ost of the plant being r	emoved (if orig	inal cost not known)	?		
 Original Work Order of T 	lant to be removed (if I	known):				
4. Is the Plant being removed reusable?						
What is the year of origin		ant haintr ramm	md2			
3. What is the year of origin	in institution of the pa	an ocnig teme.		-		
PROPOSED SOURCE OF FUNDS Company Capital 2015 budget	COMPANY, DEVEL	OPER LXA, Ĥ	UF, ETC.)			
CATEGORY & STATUS OF PROJ	ECT	FINANCIA	L SUMMARY			-
(tick as appropriate)			FICIPATED TEST			
			ery (over 18	X		
		months) Will this, as	nd other approved			is customer
Safety	4-1-9	projects, ca	use a rate shock	No	afford	bility an issue?
Mandated Impending Regulatory Obligation						
Rate Recovery-Immediate Return		Have Healt		NA		
, , , , , , , , , , , , , , , , , , , ,	1	implications been considered?				
Rate Recovery (3 to 6 months) Rate Recovery (6 to 12 months)		done?		Yes		
				Yes		
Rate Recovery (12 to 18 months)		- Been dones				
Was this Capital Expenditure includ- the Annual Budget?	ed in No.	What amou	int was budgeted? No	ne		
ANALYSIS OF PROJECT VALU	r	CAPITAL	EXPENDITURE BU	DGET HEH IZA	TION	
Design/Engineering	\$3,000	-		Authorized	To be spent in:	
Material	\$19,500			Amount	Current	Fature
External contractor costs	\$127,500				Year (2016)	Years (2017)
Internal costs		(A) Capital	bødget inder) run vs.		\$75,000	\$75,000
Other costs (contingency)		Budget		-	1	
Working capital requirements		(C) (A+B) ' Project Cos	Total Estimated			
		(D) Less A	pproved Spend to			
		Date (E) Less Fo	iture Approval			
		Requests				
Project Total Cost	\$150,000) Approval Amount (current application)		\$75,000	\$75,000
	Name		Signature	Date		
Requesting Party	Anthony Strabone	Out V		4/05/10	5	
Director	Chris Brouillard		C.P. Frmille			
President - LU East				-C. Lin		
Vice President Finance NYCCTOR Capital Privacet & Planning						

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Project Close Out Report

Requesting Region or Group:	GSECo	Date of Closeout (MM/DD/YY):	12/31/2017
Project Number	8830-1705		
Project Name:	8830-CNN002 01737 GSE-Dist	-Subs Blanket	
Requesting Region:	New Hampshire	Sponsor (Name):	Rodrigues; Charles
Project Champion:	Strabone; Anthony	Project Manager	Strabone; Anthony
Project Start Date:	1/1/2017	Project Completion Date:	12/31/2017
Requested Capital (\$)	\$10,000	Expenditure Included in Approved Budget?	Yes

Section 1. Approval

Approval of the Project Closeout and Assessment Report indicates an understanding and formal agreement that the project is ready to be closed. By signing this document, each individual agrees all administrative, financial, and logistical aspects of the project should be concluded, executed, and documented as described herein.

Further, by signing this Report, it is accepted that CWIP (FERC Account 107) should be transferred to Utility in Plant Service (FERC Account 101)

Approver Name	Title	Signature	Date
Anthony Strabone	Project Manager	Sultina History	2/15/18
Charles Rodrigues	Director of Engineering	Calodiques	2/15/18
Craig Jennings	Vice President-Operations and Engineering	Ory Mus	2/20/19

Section 2. Final Deliverable/Deployment Checklist

Sponsor to respond to each question. For each "no" response, include an issue in Open Issues section.

Item	Question	Response
2.1	Do you agree that the product and/or service is ready to be deployed?	Yes
2.2	Do you agree the product and/or service has sufficiently met the stated business goals and objectives?	Yes
2.3	Do you fully understand and agree to accept all operational requirements, operational risks, maintenance costs, and other limitations and/or constraints imposed as a result of ongoing operations of the product and/or service?	Yes
2.4	Do you agree the project should be closed? If no, please explain:	Yes
	Rate your level of satisfaction with regards to the project outcomes listed below	
2.5	Project Quality	3
2.6	Product and/or Service Performance	3
2.7	Scope	3
2.8	Cost (Budget)	3
2.9	Schedule	3

Section 3. Project Documentation Checklist

Project Manager Respond to each question. For each "no" response, include an issue in Open Issues section.

Item	Question				
3.1	Have project documentation and other it Budget Documents, Status Reports) been	Yes			
3.3	Were audits (e.g., project closeout audit reference?	Yes			
3.4	Identify the storage location for the following project documents items:				
Item	Document	Location (e.g., Google Docs, Webspace)			
3.4a	Business Case	Local W Drive: W:\Engineering\Project Documents Electric	Electronic		
3.4b	Project Charter	N/A	Electronic		
3.4c	Project Plan	N/A	Electronic		
3.4d	Budget Documentation and Invoices	Electronic			
3.4e	Status Reports	N/A	Electronic		

Project Close Out Report

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3.4f	Risks and Issues Log	N/A	Electronic
3. 4 g	Final deliverable	N/A	Electronic
3.4h	If applicable, verify that final project deliverable for the project is attached or storage location is identified in 3.4.	N/A	Electronic

Section 4. Project Team

Project Manager to list resources specified in the Project Plan and used by the project.

Name	Role	Type (e.g., Contractor, Employee)
N/A	N/A	N/A
0.100		

Section 5. Project Lessons Learned

Project Team to identify lessons learned specifically for the project. State the lessons learned in terms of a problem (issue). Describe the problem and include any project documentation references (e.g., Project Plan, Issues Log) that provide additional details. Identify recommended improvements to correct a similar problem in the future.

Problem Statement	Problem Description	References	Recommendation
N/A	N/A	N/A	N/A
		-,-,-	110
			i

Section 6. Post-Implementation Support Plans

Project team to identify plans for post-implementation activities after project closeout. Refer to the Benefits Realization review gate for information about the Post-Implementation Review of Business Outcomes deliverable.

Project Close Out Report

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Action	Planned Date	Assigned To	Frequency
Post-Implementation Review of Business Outcomes (actual review)	N/A	N/A	N/A
Post-Implementation Review of Business Outcomes (approval)	N/A	N/A	N/A

Section 7. Open Issues

Project Manager and Functional Lead to describe any open issues and plans for resolution within the context of project closeout. Include an open issue for any "no" responses in the Final Product and/or Service Acceptance Checklist and the Project Artifacts Checklist sections.

Issue	Planned Resolution
N/A	N/A

Section 8. Financials

Project Manager and Functional Lead to provide details for the following tables.

Financial Descriptor	Amount
Total Actual Project Costs (including all Regional, Corporate and 3 rd party costs)	\$(92,608)
Total Budgeted amount	\$10,000
Variance	\$102,608

Annual Company of the
Credit to project funding

Project Close Out Report

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Project Manager to list of all work orders associated with project that should be closed once Close Out Report is accepted.

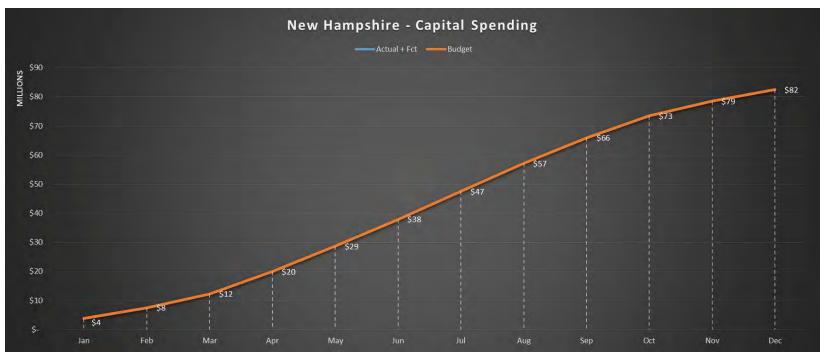
Registry of All Job Codes (Regional, Corporate, LABs)	
Work Order 1	8830-14532151
Work Order 2	
Work Order 3	
Work Order 4	
Work Order 5	

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> Docket No. DE 19-064 Attachment Staff 9-3.6 Page 1 of 22

JANUARY 2017 CAPITAL SPENDING UPDATE – 02/21/2017

- 1. Safety Moment
- 2. January 2017 Capital Spending Results
- 3. 2016 Project Closure Reports Update
- 4. 2017 Capital Budget High Profile Project Identification
- 5. 2017 Project Funding Levels
- 6. Review of Project Acceleration Proposals/Timing of spend
- 7. Questions?



								Capital Sper	hdi	ng VTD									
	Jan	Feb	Mar	Apr		May		Jun	I	Jul	П	Aug		Sep	Oct		Nov	Dec	Variance
Actual + Fct	\$ 2,828,999			•	Г	•	Г				Г		Г	•		Г			
Budget	\$ 3,758,981	\$ 7,542,962	\$ 12,280,018	\$ 19,942,449	\$	28,686,425	\$	37,928,939	\$	47,472,105	\$	57,140,241	\$	65,952,221	\$ 73,429,643	\$	78,560,969	\$ 82,499,330	\$ (82,499,330)
	January	February	March	April		May		June		Jul		August		September	October		Nov	Dec	Annual
Actual EN	\$ 1,845,125	\$ 255,823	\$ 1,536,747	\$ 2,271,035	\$	3,092,151	\$	2,134,506	\$	4,823,707	\$	4,464,523	\$	6,357,420	\$ 5,754,287	\$	3,331,232	\$ 11,834,556	\$ 47,701,112
Actual GSE	\$ 973,907	\$ 913,980	\$ 872,907	\$ 1,848,458	\$	1,218,355	\$	1,370,990	\$	1,623,655	\$	1,071,523	\$	1,794,694	\$ 1,626,556	\$	1,855,596	\$ 4,044,617	\$ 19,215,239
Actual MEP	\$ -	\$ -	\$ -	\$ -	\$	(64,881)	\$	-	\$	-	\$	(29,496)	\$	75,904	\$ (10,373)	\$	7,247	\$ -	\$ (21,599)
Actual Keene	\$ 9,967	\$ 18,053	\$ 11,796	\$ 13,987	\$	16,713	\$	47,438	\$	17,501	\$	180,005	\$	17,856	\$ 20,685	\$	36,812	\$ 192,407	\$ 583,221
	2,828,999	1,185,177	2,451,097	4,168,974		3,974,538		3,559,487		6,489,642		5,712,561		9,861,536	7,453,932		5,239,590	12,391,042	\$ 67,477,973
	January	February	March	April		May		June		July		August	9	September	October		November	December	Annual
Budget EN	\$ 1,043,592	\$ 1,043,592	\$ 1,975,567	\$ 4,861,639	\$	5,793,614	\$	6,259,602	\$	6,732,996	\$	6,732,996	\$	5,801,020	\$ 4,598,057	\$	2,439,106	\$ 1,507,131	\$ 48,788,912
Budget GSE	\$ 1,123,937	\$ 1,148,937	\$ 1,148,937	\$ 1,124,940	\$	1,253,410	\$	1,275,410	\$	1,092,118	\$	1,217,088	\$	1,314,008	\$ 1,214,063	\$	1,069,118	\$ 829,228	\$ 13,811,194
Budget MEP	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$	1,570,352	\$	1,570,352	\$	1,570,352	\$	1,570,352	\$	1,570,352	\$ 1,570,352	\$	1,570,352	\$ 1,570,352	\$ 18,844,224
Budget Keene	\$ 21,100	\$ 21,100	\$ 42,200	\$ 105,500	\$	126,600	\$	137,150	\$	147,700	\$	147,700	\$	126,600	\$ 94,950	\$	52,750	\$ 31,650	\$ 1,055,000
	\$ 3,758,981	\$ 3,783,981	\$ 4,737,056	\$ 7,662,431	\$	8,743,976	\$	9,242,514	\$	9,543,166	\$	9,668,136	\$	8,811,980	\$ 7,477,422	\$	5,131,326	\$ 3,938,361	\$ 82,499,330

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High Profile Project Identification

- 1. 8830-C36430 Pelham Sub \$2.1M
- 2. 8830-C36431 Peljam New 14L4 Feeder \$1.0M
- 3. 8840-1711 Main/Service Replace LPP \$17.3M
- 4. Multi Transportation/Fleet \$2.3M
- 5. 8840-1723 City/State Construction \$5.2M
- 6. 8840-1761 Windham/Pelham \$4.7M
- 7. TBD

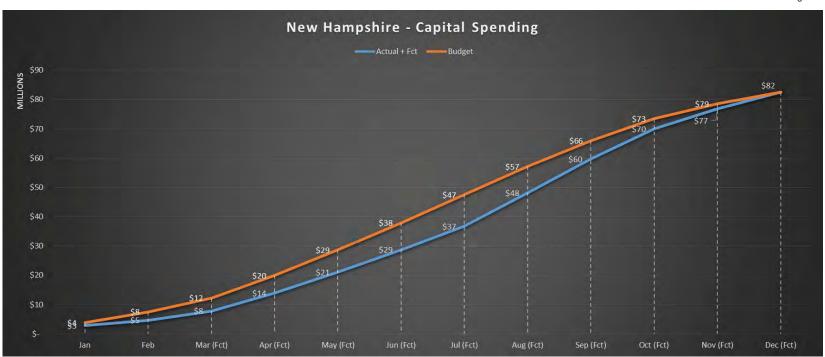
Review of Project Acceleration Proposals

Project	Company	Capital (Million)	Recovery	Lead Time	PUC Notice Needed	Comments
Parking Lot Repave - Manchester	8840	\$ 0.60	Step	45 Days		Environmental Considerations
Parking Lot - Remove Railroad Tracks	8840	\$ 0.30	Step			Environmental Considerations
Pelham Substation	8830	\$ 1.50	Step	Mar. 31	Notify about accerlation	
Feeder 14L5	8830	\$ 1.00	Step	Mar. 31	Notify about accerlation	
Charlestown Substation	8830	\$ 0.50	Step	Feb. 28	Notify about accerlation	
Bare Conductor Replacement	8830	\$ 0.50	REP	Mar. 31	Notify about accerlation	
CNG Filling Station	8840	\$ 0.80	Step	Mar. 31		
Load Break Switches (6)	8830	\$ 0.10	2020	Mar. 31		No recovery until next rate case
Snow Canopies (Londonderry)	8830/8840	\$ 0.10	Step	Mar. 31		Safety hazard, snow falling from solar panels
Daniel Webster Highway	8840	\$ 0.60	Step	Mar. 31		
Aldyl-A Replacement (200)	8840	\$ 0.50	Step	Mar. 31		
Replace T.D. Williamson Stopping Equi	8840	\$ 0.20	Step	Mar. 31		
Solar Panels	8840	\$ 0.15	Step	Mar. 31		
Vehicles - EnergyNorth	8840	\$ 0.25	Step	Mar. 31		
Londonderry Turnpike	8840	\$ 0.75	Step	Mar. 31		
Laconia Phase II	8840	\$ 1.40	Step	Mar. 31		
Merrimack Bridge/Bore	8840	\$ 0.85	Step	Mar. 31		
Keene - Non COG Capital	8843	\$ -		Mar. 31		
		\$ 10.10				

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FEBRUARY 2017 CAPITAL SPENDING UPDATE - 03/20/2017

- 1. Safety Moment
- 2. February 2017 Capital Spending Results
- 3. 2017 Capital Budget High Profile Project Presentations
- 4. Review of Project Acceleration Proposals
- 5. Discussion of 2018-2022 Projects (LTM Update)
- 6. Questions?



								Capital Sper	ndii	ng YTD								
	Т	Jan	Feb		Mar (Fct)	Apr (Fct)	May (Fct)	Jun (Fct)		Jul (Fct)	П	Aug (Fct)		Sep (Fct)	Oct (Fct)	Nov (Fct)	Dec (Fct)	Variance
Actual + Fct	\$	2,828,999	\$ 4,655,691	\$	7,822,395	\$ 13,914,474	\$ 21,088,098	\$ 28,760,260	\$	36,733,074	\$	48,147,216	\$	59,705,202	\$ 69,937,631	\$ 76,814,963	\$ 82,499,330	
Budget	\$	3,758,981	\$ 7,542,962	\$	12,280,018	\$ 19,942,449	\$ 28,686,425	\$ 37,928,939	\$	47,472,105	\$	57,140,241	\$	65,952,221	\$ 73,429,643	\$ 78,560,969	\$ 82,499,330	\$ 0
		Jan	Feb	ı	Mar (Fct)	Apr (Fct)	May (Fct)	Jun (Fct)		Jul (Fct)		Aug (Fct)		Sep (Fct)	Oct (Fct)	Nov (Fct)	Dec (Fct)	Annual
Actual EN	\$	1,845,125	\$ 1,063,382	\$	1,975,567	\$ 4,861,639	\$ 5,793,614	\$ 6,259,602	\$	6,732,996	\$	10,049,354	\$	9,117,378	\$ 7,914,415	\$ 5,755,464	\$ 4,823,489	\$ 66,192,026
Actual GSE	\$	973,907	\$ 740,269	\$	1,148,937	\$ 1,124,940	\$ 1,253,410	\$ 1,275,410	\$	1,092,118	\$	1,217,088	\$	2,314,008	\$ 2,223,063	\$ 1,069,118	\$ 829,228	\$ 15,261,496
Actual MEP	\$	-	\$ -	\$	-	\$ -	\$ -	\$ -	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -
Actual Keene	\$	9,967	\$ 23,041	\$	42,200	\$ 105,500	\$ 126,600	\$ 137,150	\$	147,700	\$	147,700	\$	126,600	\$ 94,950	\$ 52,750	\$ 31,650	\$ 1,045,808
		2,828,999	1,826,692		3,166,704	6,092,079	7,173,624	7,672,162		7,972,814		11,414,142		11,557,986	10,232,428	6,877,332	5,684,367	\$ 82,499,330
		January	February		March	April	May	June		July		August	5	September	October	November	December	Annual
Budget EN	\$	1,043,592	\$ 1,043,592	\$	1,975,567	\$ 4,861,639	\$ 5,793,614	\$ 6,259,602	\$	6,732,996	\$	6,732,996	\$	5,801,020	\$ 4,598,057	\$ 2,439,106	\$ 1,507,131	\$ 48,788,912
Budget GSE	\$	1,123,937	\$ 1,148,937	\$	1,148,937	\$ 1,124,940	\$ 1,253,410	\$ 1,275,410	\$	1,092,118	\$	1,217,088	\$	1,314,008	\$ 1,214,063	\$ 1,069,118	\$ 829,228	\$ 13,811,194
Budget MEP	\$	1,570,352	\$ 1,570,352	\$	1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$	1,570,352	\$	1,570,352	\$	1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 18,844,224
Budget Keene	\$	21,100	\$ 21,100	\$	42,200	\$ 105,500	\$ 126,600	\$ 137,150	\$	147,700	\$	147,700	\$	126,600	\$ 94,950	\$ 52,750	\$ 31,650	\$ 1,055,000
	\$	3,758,981	\$ 3,783,981	\$	4,737,056	\$ 7,662,431	\$ 8,743,976	\$ 9,242,514	\$	9,543,166	\$	9,668,136	\$	8,811,980	\$ 7,477,422	\$ 5,131,326	\$ 3,938,361	\$ 82,499,330

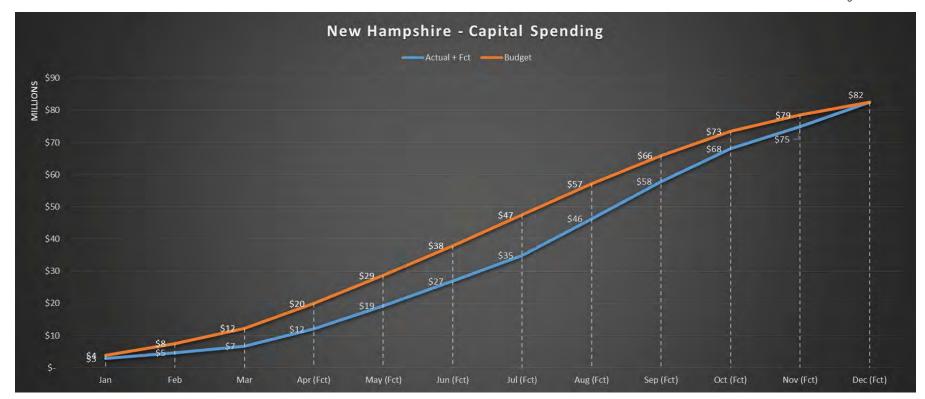
Review of Project Acceleration Proposals

Project	Company	Capital (Million)	Recovery	Lead Time	Status	Comments
Parking Lot Repave - Manchester	8840	0.9	Step	45 Days	Approved	Environmental Considerations
Pelham Substation	8830	1.5	Step	Mar. 31	Notify about accerlation	
Feeder 14L5	8830	0	Step	Mar. 31	Not approved	
Charlestown Substation	8830	0.5	Step	Feb. 28	Approved	
Bare Conductor Replacement	8830	0.2	REP	Mar. 31	Notify about accerlation	
CNG Filling Station	8840	1.9	Step	Mar. 31	Pending	
Load Break Switches (6)	8830	0.112	2020	Mar. 31	Approved	No recovery until next rate case
Snow Canopies (Londonderry)	8830/8840	0.1	Step	Mar. 31	Pending	Safety hazard, snow falling from solar panels
Install Main Daniel Webster Hwy, MM	8840	0.65	Step	Mar. 31	Approved	
Aldyl-A Replacement (200)	8840	0.35	Step	Mar. 31	Approved	
Replace T.D. Williamson Stopping Equ	8840	0.5	Step	Mar. 31	Pending	
Manchester Solar Install	8840	0.19	Step	Mar. 31	Approved	
Nashua Meter Building Repointing	8840	0.15	Step	Mar. 31	Approved	
Vehicles - EnergyNorth	8840	0.675	Step	Mar. 31		
Londonderry Turnpike	8840	0	Step	Mar. 31	Cancelled	
Chestnut Street, Nashua Regulator	8840	0.325	Step	Mar. 31	Approved	
Tilton Yard - Replace Shelving	8840	0.008	Step	Mar. 31	Approved	
Tilton Office Refresh	8840	0.6	Step	Mar. 31	Approved	
Supplemental AC Dispatch Rm	8840	0.03	Step	Mar. 31	Approved	
Motorized Gate Concord Plant	8840	0.55	Step	Mar. 31	Approved	
Manchester Kitchen Refresh	8840	0.335	Step	Mar. 31	Approved	
Laconia Phase II	8840	0.85	Step	Mar. 31	Approved	
Manchester Gas Mixer Replacement	8840	0.24	Step		Approved	
Upgrade Main - Supply to Franklin		0.75	Step		Pending	
Upgrade West End Loop - Manchester		0.35	Step		Pending	
Purchase Robotic Camera		0.075	Step		Pending	
		11.84				

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MARCH 2017 CAPITAL SPENDING UPDATE – 04/17/2017

- 1. Safety Moment
- 2. March 2017 Capital Spending Results
- 3. 2017 Capital Budget High Profile Project Presentations
- 4. 2018 Capital Budget Planning
- 5. Questions?

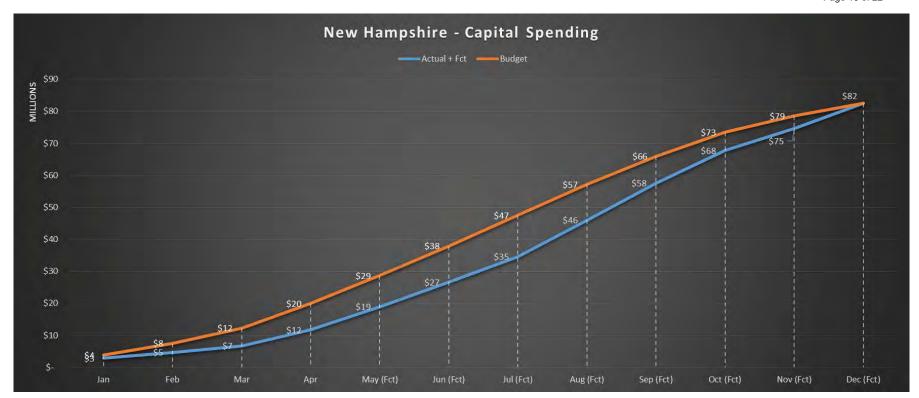


						Capital Sper	ıdiı	ng YTD							
	Jan	Feb	Mar	Apr (Fct)	May (Fct)	Jun (Fct)		Jul (Fct)	Aug (Fct)		Sep (Fct)	Oct (Fct)	Nov (Fct)	Dec (Fct)	Variance
Actual + Fct	\$ 2,828,999	\$ 4,655,691	\$ 6,756,899	\$ 12,055,651	\$ 19,229,275	\$ 26,901,437	\$	34,874,251	\$ 46,288,393	\$	57,846,379	\$ 68,078,808	\$ 74,956,140	\$ 82,499,330	
Budget	\$ 3,758,981	\$ 7,542,962	\$ 12,280,018	\$ 19,942,449	\$ 28,686,425	\$ 37,928,939	\$	47,472,105	\$ 57,140,241	\$	65,952,221	\$ 73,429,643	\$ 78,560,969	\$ 82,499,330	\$ 0
	Jan	Feb	Mar	Apr (Fct)	May (Fct)	Jun (Fct)		Jul (Fct)	Aug (Fct)		Sep (Fct)	Oct (Fct)	Nov (Fct)	Dec (Fct)	Annual
Actual EN	\$ 1,845,125	\$ 1,063,382	\$ 1,327,210	\$ 4,068,312	\$ 5,793,614	\$ 6,259,602	\$	6,732,996	\$ 10,049,354	\$	9,117,378	\$ 7,914,415	\$ 5,755,464	\$ 4,823,489	\$ 64,750,342
Actual GSE	\$ 973,907	\$ 740,269	\$ 776,546	\$ 1,124,940	\$ 1,253,410	\$ 1,275,410	\$	1,092,118	\$ 1,217,088	\$	2,314,008	\$ 2,223,063	\$ 1,069,118	\$ 2,677,116	\$ 16,736,993
Actual MEP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -
Actual Keene	\$ 9,967	\$ 23,041	\$ (2,548)	\$ 105,500	\$ 126,600	\$ 137,150	\$	147,700	\$ 147,700	\$	126,600	\$ 94,950	\$ 52,750	\$ 42,585	\$ 1,011,995
	2,828,999	1,826,692	2,101,208	5,298,752	7,173,624	7,672,162		7,972,814	11,414,142		11,557,986	10,232,428	6,877,332	7,543,190	\$ 82,499,330
	January	February	March	April	May	June		July	August	9	September	October	November	December	Annual
Budget EN	\$ 1,043,592	\$ 1,043,592	\$ 1,975,567	\$ 4,861,639	\$ 5,793,614	\$ 6,259,602	\$	6,732,996	\$ 6,732,996	\$	5,801,020	\$ 4,598,057	\$ 2,439,106	\$ 1,507,131	\$ 48,788,912
Budget GSE	\$ 1,123,937	\$ 1,148,937	\$ 1,148,937	\$ 1,124,940	\$ 1,253,410	\$ 1,275,410	\$	1,092,118	\$ 1,217,088	\$	1,314,008	\$ 1,214,063	\$ 1,069,118	\$ 829,228	\$ 13,811,194
Budget MEP	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$	1,570,352	\$ 1,570,352	\$	1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 18,844,224
Budget Keene	\$ 21,100	\$ 21,100	\$ 42,200	\$ 105,500	\$ 126,600	\$ 137,150	\$	147,700	\$ 147,700	\$	126,600	\$ 94,950	\$ 52,750	\$ 31,650	\$ 1,055,000
	\$ 3,758,981	\$ 3,783,981	\$ 4,737,056	\$ 7,662,431	\$ 8,743,976	\$ 9,242,514	\$	9,543,166	\$ 9,668,136	\$	8,811,980	\$ 7,477,422	\$ 5,131,326	\$ 3,938,361	\$ 82,499,330

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APRIL 2017 CAPITAL SPENDING UPDATE - 05/15/2017

- 1. Safety Moment
- 2. April 2017 Capital Spending Results
- 3. 2017 Capital Budget High Profile Project Presentations
- 4. 2018 Capital Budget Planning
- 5. Questions?

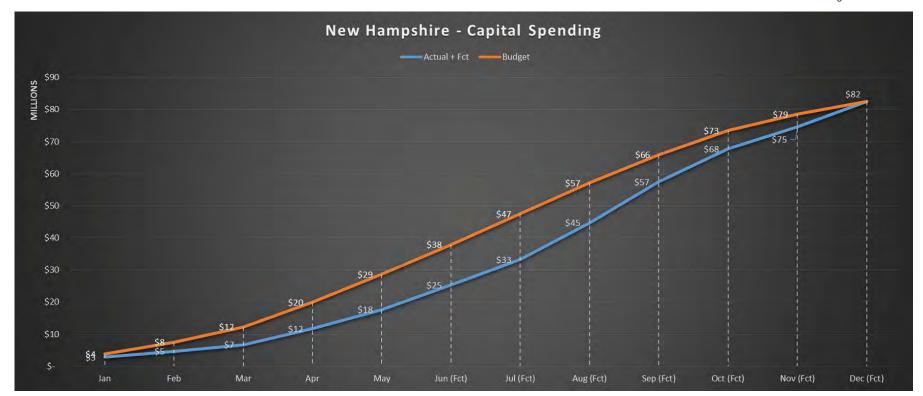


						Capital Sper	dir	ng YTD									
	Jan	Feb	Mar	Apr	May (Fct)	Jun (Fct)		Jul (Fct)	Aug (Fct)		Sep (Fct)		Oct (Fct)		Nov (Fct)	Dec (Fct)	Variance
Actual + Fct	\$ 2,828,999	\$ 4,655,691	\$ 6,756,899	\$ 11,757,719	\$ 18,931,343	\$ 26,603,505	\$	34,576,319	\$ 45,990,461	\$	57,548,447	\$	67,780,876	\$	74,658,208	\$ 82,499,330	
Budget	\$ 3,758,981	\$ 7,542,962	\$ 12,280,018	\$ 19,942,449	\$ 28,686,425	\$ 37,928,939	\$	47,472,105	\$ 57,140,241	\$	65,952,221	\$	73,429,643	\$	78,560,969	\$ 82,499,330	\$ 0
	Jan	Feb	Mar	Apr	May (Fct)	Jun (Fct)		Jul (Fct)	Aug (Fct)		Sep (Fct)		Oct (Fct)		Nov (Fct)	Dec (Fct)	Annual
Actual EN	\$ 1,845,125	\$ 1,063,382	\$ 1,327,210	\$ 3,949,161	\$ 5,793,614	\$ 6,259,602	\$	6,732,996	\$ 10,049,354	\$	9,117,378	\$	7,914,415	\$	5,755,464	\$ 4,747,916	\$ 64,555,618
Actual GSE	\$ 973,907	\$ 740,269	\$ 776,546	\$ 1,027,174	\$ 1,253,410	\$ 1,275,410	\$	1,092,118	\$ 1,217,088	\$	2,314,008	\$	2,223,063	\$	1,069,118	\$ 2,965,677	\$ 16,927,788
Actual MEP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -	\$	-	\$	-	\$	-	\$ -	\$ -
Actual Keene	\$ 9,967	\$ 23,041	\$ (2,548)	\$ 24,485	\$ 126,600	\$ 137,150	\$	147,700	\$ 147,700	\$	126,600	\$	94,950	\$	52,750	\$ 127,529	\$ 1,015,924
	2,828,999	1,826,692	2,101,208	5,000,820	7,173,624	7,672,162		7,972,814	11,414,142		11,557,986	:	10,232,428		6,877,332	7,841,122	\$ 82,499,330
	January	February	March	April	May	June		July	August	:	September		October	ı	November	December	Annual
Budget EN	\$ 1,043,592	\$ 1,043,592	\$ 1,975,567	\$ 4,861,639	\$ 5,793,614	\$ 6,259,602	\$	6,732,996	\$ 6,732,996	\$	5,801,020	\$	4,598,057	\$	2,439,106	\$ 1,507,131	\$ 48,788,912
Budget GSE	\$ 1,123,937	\$ 1,148,937	\$ 1,148,937	\$ 1,124,940	\$ 1,253,410	\$ 1,275,410	\$	1,092,118	\$ 1,217,088	\$	1,314,008	\$	1,214,063	\$	1,069,118	\$ 829,228	\$ 13,811,194
Budget MEP	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$	1,570,352	\$ 1,570,352	\$	1,570,352	\$	1,570,352	\$	1,570,352	\$ 1,570,352	\$ 18,844,224
Budget Keene	\$ 21,100	\$ 21,100	\$ 42,200	\$ 105,500	\$ 126,600	\$ 137,150	\$	147,700	\$ 147,700	\$	126,600	\$	94,950	\$	52,750	\$ 31,650	\$ 1,055,000
	\$ 3,758,981	\$ 3,783,981	\$ 4,737,056	\$ 7,662,431	\$ 8,743,976	\$ 9,242,514	\$	9,543,166	\$ 9,668,136	\$	8,811,980	\$	7,477,422	\$	5,131,326	\$ 3,938,361	\$ 82,499,330

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MAY 2017 CAPITAL SPENDING UPDATE – 06/22/2017

- 1. Safety Moment
- 2. May 2017 Capital Spending Results
- 3. 2017 Capital Budget High Profile Project Presentations
- 4. Emergent Project Prioritization Discussion
- 5. Questions?

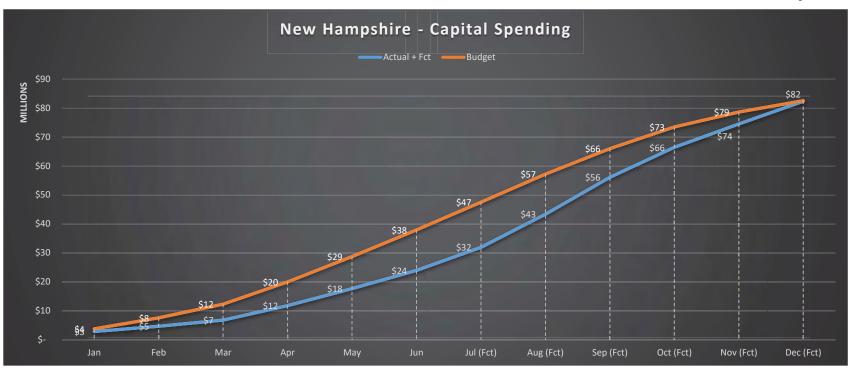


						Capital Sper	ndi	ng YTD								
	Jan	Feb	Mar	Apr	May	Jun (Fct)		Jul (Fct)	Aug (Fct)		Sep (Fct)	Oct (Fct)	Nov (Fct)		Dec (Fct)	Variance
Actual + Fct	\$ 2,828,999	\$ 4,655,691	\$ 6,756,899	\$ 11,757,719	\$ 17,644,006	\$ 25,316,168	\$	33,288,982	\$ 44,703,124	\$	57,458,219	\$ 67,780,875	\$ 74,658,208	\$	82,499,330	
Budget	\$ 3,758,981	\$ 7,542,962	\$ 12,280,018	\$ 19,942,449	\$ 28,686,425	\$ 37,928,939	\$	47,472,105	\$ 57,140,241	\$	65,952,221	\$ 73,429,643	\$ 78,560,969	\$	82,499,330	\$ (0)
	Jan	Feb	Mar	Apr	May	Jun (Fct)		Jul (Fct)	Aug (Fct)		Sep (Fct)	Oct (Fct)	Nov (Fct)		Dec (Fct)	Annual
Actual EN	\$ 1,845,125	\$ 1,063,382	\$ 1,327,210	\$ 3,949,161	\$ 5,142,670	\$ 6,259,602	\$	6,732,996	\$ 10,049,354	\$	10,412,673	\$ 7,914,415	\$ 5,755,464	\$	4,747,916	\$ 65,199,969
Actual GSE	\$ 973,907	\$ 740,269	\$ 776,546	\$ 1,027,174	\$ 686,524	\$ 1,275,410	\$	1,092,118	\$ 1,217,088	\$	2,215,822	\$ 2,223,063	\$ 1,069,118	\$	2,965,677	\$ 16,262,716
Actual MEP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -	\$	-	\$ -	\$ -	\$	-	\$ -
Actual Keene	\$ 9,967	\$ 23,041	\$ (2,548)	\$ 24,485	\$ 57,093	\$ 137,150	\$	147,700	\$ 147,700	\$	126,600	\$ 185,178	\$ 52,750	\$	127,529	\$ 1,036,645
	2,828,999	1,826,692	2,101,208	5,000,820	5,886,287	7,672,162		7,972,814	11,414,142		12,755,095	10,322,656	6,877,332		7,841,122	\$ 82,499,330
	January	February	March	April	May	June		July	August	9	September	October	November	ı	December	Annual
Budget EN	\$ 1,043,592	\$ 1,043,592	\$ 1,975,567	\$ 4,861,639	\$ 5,793,614	\$ 6,259,602	\$	6,732,996	\$ 6,732,996	\$	5,801,020	\$ 4,598,057	\$ 2,439,106	\$	1,507,131	\$ 48,788,912
Budget GSE	\$ 1,123,937	\$ 1,148,937	\$ 1,148,937	\$ 1,124,940	\$ 1,253,410	\$ 1,275,410	\$	1,092,118	\$ 1,217,088	\$	1,314,008	\$ 1,214,063	\$ 1,069,118	\$	829,228	\$ 13,811,194
Budget MEP	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$	1,570,352	\$ 1,570,352	\$	1,570,352	\$ 1,570,352	\$ 1,570,352	\$	1,570,352	\$ 18,844,224
Budget Keene	\$ 21,100	\$ 21,100	\$ 42,200	\$ 105,500	\$ 126,600	\$ 137,150	\$	147,700	\$ 147,700	\$	126,600	\$ 94,950	\$ 52,750	\$	31,650	\$ 1,055,000
	\$ 3,758,981	\$ 3,783,981	\$ 4,737,056	\$ 7,662,431	\$ 8,743,976	\$ 9,242,514	\$	9,543,166	\$ 9,668,136	\$	8,811,980	\$ 7,477,422	\$ 5,131,326	\$	3,938,361	\$ 82,499,330

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JUNE 2017 CAPITAL SPENDING UPDATE – 07/17/2017

- 1. Safety Moment
- 2. June 2017 Capital Spending Results
- 3. High Profile Project Presentations
- 4. June Project Status Review
- 5. Draft 2018 Capital Budget
- 6. Questions?

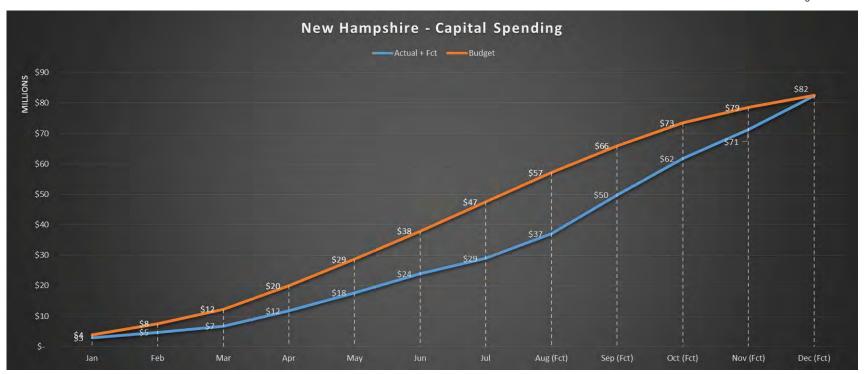


									Capital Sper	ndir	ng YTD								
	Jan	Feb		Ma	ır	Apr		May	Jun		Jul (Fct)	Aug (Fct)		Sep (Fct)	Oct (Fct)		Nov (Fct)	Dec (Fct)	Variance
Actual + Fct	\$ 2,828,999	\$ 4,65	55,691	\$ 6,75	56,899	\$ 11,757,71	9 \$	17,644,006	\$ 23,921,812	\$	31,894,626	\$ 43,308,768	\$	56,063,863	\$ 66,386,519	\$	74,454,860	\$ 82,295,982	
Budget	\$ 3,758,981	\$ 7,54	12,962	\$ 12,28	80,018	\$ 19,942,44	9 \$	28,686,425	\$ 37,928,939	\$	47,472,105	\$ 57,140,241	\$	65,952,221	\$ 73,429,643	\$	78,560,969	\$ 82,499,330	\$ (203,348)
	Jan	Feb		Ma	ır	Apr		May	Jun		Jul (Fct)	Aug (Fct)		Sep (Fct)	Oct (Fct)		Nov (Fct)	Dec (Fct)	Annual
Actual EN	\$ 1,845,125	\$ 1,06	53,382	\$ 1,32	27,210	\$ 3,949,16	1 \$	5,142,670	\$ 4,998,853	\$	6,732,996	\$ 10,049,354	\$	10,412,673	\$ 7,914,415	\$	6,716,109	\$ 4,747,916	\$ 64,899,865
Actual GSE	\$ 973,907	\$ 74	10,269	\$ 77	76,546	\$ 1,027,17	4 \$	686,524	\$ 1,214,691	\$	1,092,118	\$ 1,217,088	\$	2,215,822	\$ 2,223,063	\$	1,226,092	\$ 2,965,677	\$ 16,358,971
Actual MEP	\$ -	\$	-	\$	-	\$ -	\$	-	\$ -	\$	-	\$ -	\$	-	\$ -	\$	-	\$ -	\$ -
Actual Keene	\$ 9,967	\$ 2	23,041	\$ ((2,548)	\$ 24,48	5 \$	57,093	\$ 64,262	\$	147,700	\$ 147,700	\$	126,600	\$ 185,178	\$	126,139	\$ 127,529	\$ 1,037,146
	2,828,999	1,820	6,692	2,10	1,208	5,000,82	0	5,886,287	6,277,806		7,972,814	11,414,142		12,755,095	10,322,656		8,068,340	7,841,122	\$ 82,295,982
	January	Februa	ary	Mare	ch	April		May	June		July	August	S	eptember	October	-	November	December	Annual
Budget EN	\$ 1,043,592	\$ 1,04	13,592	\$ 1,97	75,567	\$ 4,861,63	9 \$	5,793,614	\$ 6,259,602	\$	6,732,996	\$ 6,732,996	\$	5,801,020	\$ 4,598,057	\$	2,439,106	\$ 1,507,131	\$ 48,788,912
Budget GSE	\$ 1,123,937	\$ 1,14	18,937	\$ 1,14	48,937	\$ 1,124,94	0 \$	1,253,410	\$ 1,275,410	\$	1,092,118	\$ 1,217,088	\$	1,314,008	\$ 1,214,063	\$	1,069,118	\$ 829,228	\$ 13,811,194
Budget MEP	\$ 1,570,352	\$ 1,57	70,352	\$ 1,57	70,352	\$ 1,570,35	2 \$	1,570,352	\$ 1,570,352	\$	1,570,352	\$ 1,570,352	\$	1,570,352	\$ 1,570,352	\$	1,570,352	\$ 1,570,352	\$ 18,844,224
Budget Keene	\$ 21,100	\$ 2	21,100	\$ 4	42,200	\$ 105,50	0 \$	126,600	\$ 137,150	\$	147,700	\$ 147,700	\$	126,600	\$ 94,950	\$	52,750	\$ 31,650	\$ 1,055,000
	\$ 3,758,981	\$ 3,78	33,981	\$ 4,73	37,056	\$ 7,662,43	1 \$	8,743,976	\$ 9,242,514	\$	9,543,166	\$ 9,668,136	\$	8,811,980	\$ 7,477,422	\$	5,131,326	\$ 3,938,361	\$ 82,499,330

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JULY 2017 CAPITAL SPENDING UPDATE – 08/21/2017

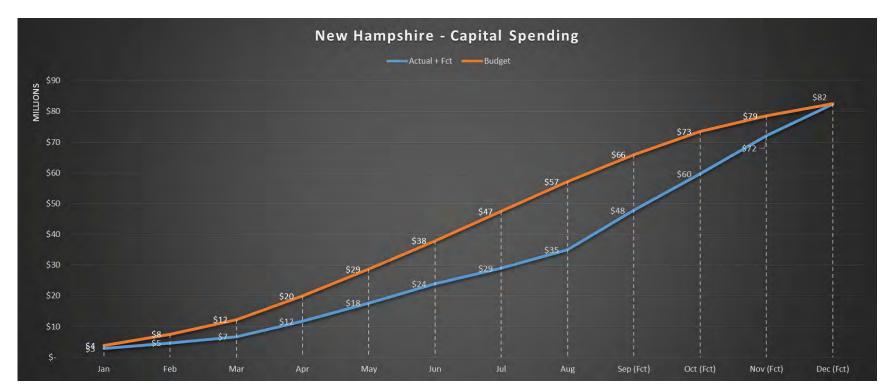
- 1. Safety Moment
- 2. July 2017 Capital Spending Results
- 3. High Profile Project Presentations
- 4. Project Close Out Variance Reporting
- 5. 2018-2022 Capital Budget
- 6. Questions?



						Capital Spe	ndiı	ng YTD									
	Jan	Feb	Mar	Apr	May	Jun		Jul		Aug (Fct)		Sep (Fct)	Oct (Fct)	Nov (Fct)		Dec (Fct)	Variance
Actual + Fct	\$ 2,828,999	\$ 4,655,691	\$ 6,756,899	\$ 11,757,719	\$ 17,644,006	\$ 23,921,812	\$	28,947,462	\$	37,045,246	\$	49,800,341	\$ 61,735,301	\$ 71,271,870	\$	82,428,708	
Budget	\$ 3,758,981	\$ 7,542,962	\$ 12,280,018	\$ 19,942,449	\$ 28,686,425	\$ 37,928,939	\$	47,472,105	\$	57,140,241	\$	65,952,221	\$ 73,429,643	\$ 78,560,969	\$	82,499,330	\$ (70,622)
	Jan	Feb	Mar	Apr	May	Jun		Jul	H	Aug (Fct)		Sep (Fct)	Oct (Fct)	Nov (Fct)		Dec (Fct)	Annual
Actual EN	\$ 1,845,125	\$ 1,063,382	\$ 1,327,210	\$ 3,949,161	\$ 5,142,670	\$ 4,998,853	\$	3,960,796	\$	6,732,996	\$	10,412,673	\$ 9,545,129	\$ 6,716,109	\$	8,063,631	\$ 63,757,736
Actual GSE	\$ 973,907	\$ 740,269	\$ 776,546	\$ 1,027,174	\$ 686,524	\$ 1,214,691	\$	913,984	\$	1,217,088	\$	2,215,822	\$ 2,223,063	\$ 2,694,321	\$	2,965,677	\$ 17,649,066
Actual MEP	\$ -	\$ =	\$ -	\$ -	\$ -	\$ -	\$	-	\$	=	\$	=	\$ -	\$ -	\$	-	\$ -
Actual Keene	\$ 9,967	\$ 23,041	\$ (2,548)	\$ 24,485	\$ 57,093	\$ 64,262	\$	150,870	\$	147,700	\$	126,600	\$ 166,768	\$ 126,139	\$	127,529	\$ 1,021,906
	2,828,999	1,826,692	2,101,208	5,000,820	5,886,287	6,277,806		5,025,650		8,097,784		12,755,095	11,934,960	9,536,569		11,156,837	\$ 82,428,708
	January	February	March	April	May	June		July		August	:	September	October	November	ı	December	Annual
Budget EN	\$ 1,043,592	\$ 1,043,592	\$ 1,975,567	\$ 4,861,639	\$ 5,793,614	\$ 6,259,602	\$	6,732,996	\$	6,732,996	\$	5,801,020	\$ 4,598,057	\$ 2,439,106	\$	1,507,131	\$ 48,788,912
Budget GSE	\$ 1,123,937	\$ 1,148,937	\$ 1,148,937	\$ 1,124,940	\$ 1,253,410	\$ 1,275,410	\$	1,092,118	\$	1,217,088	\$	1,314,008	\$ 1,214,063	\$ 1,069,118	\$	829,228	\$ 13,811,194
Budget MEP	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$	1,570,352	\$	1,570,352	\$	1,570,352	\$ 1,570,352	\$ 1,570,352	\$	1,570,352	\$ 18,844,224
Budget Keene	\$ 21,100	\$ 21,100	\$ 42,200	\$ 105,500	\$ 126,600	\$ 137,150	\$	147,700	\$	147,700	\$	126,600	\$ 94,950	\$ 52,750	\$	31,650	\$ 1,055,000
	\$ 3,758,981	\$ 3,783,981	\$ 4,737,056	\$ 7,662,431	\$ 8,743,976	\$ 9,242,514	\$	9,543,166	\$	9,668,136	\$	8,811,980	\$ 7,477,422	\$ 5,131,326	\$	3,938,361	\$ 82,499,330

AUGUST 2017 CAPITAL SPENDING UPDATE - 09/18/2017

- 1. Safety Moment
- 2. August 2017 Capital Spending Results
 - a. New Hampshire Overview
 - b. Entity Overview
- 3. High Profile Project Presentations
 - a. Fleet
 - b. CNG Fast Fill Stations
 - c. Windham/Pelham
 - d. Pelham Substation
 - e. Pelham Feeder
 - f. City/State Construction
 - g. CIBS
- 4. Project Delays & Concerns Roundtable
- 5. Project Close Out Variance Reporting Example
- 6. Questions?



						Capital Sper	ndii	ng YTD								
	Jan	Feb	Mar	Apr	May	Jun		Jul	Aug		Sep (Fct)	Oct (Fct)		Nov (Fct)	Dec (Fct)	Variance
Actual + Fct	\$ 2,828,999	\$ 4,655,691	\$ 6,756,899	\$ 11,757,719	\$ 17,644,006	\$ 23,921,812	\$	28,947,462	\$ 35,008,487	\$	47,763,582	\$ 59,698,542	\$	72,002,869	\$ 82,428,708	
Budget	\$ 3,758,981	\$ 7,542,962	\$ 12,280,018	\$ 19,942,449	\$ 28,686,425	\$ 37,928,939	\$	47,472,105	\$ 57,140,241	\$	65,952,221	\$ 73,429,643	\$	78,560,969	\$ 82,499,330	\$ (70,622)
	Jan	Feb	Mar	Apr	May	Jun		Jul	Aug		Sep (Fct)	Oct (Fct)		Nov (Fct)	Dec (Fct)	Annual
Actual EN	\$ 1,845,125	\$ 1,063,382	\$ 1,327,210	\$ 3,949,161	\$ 5,142,670	\$ 4,998,853	\$	3,960,796	\$ 3,965,238	\$	10,412,673	\$ 9,545,129	\$	9,483,867	\$ 8,063,631	\$ 63,757,736
Actual GSE	\$ 973,907	\$ 740,269	\$ 776,546	\$ 1,027,174	\$ 686,524	\$ 1,214,691	\$	913,984	\$ 1,898,965	\$	2,215,822	\$ 2,223,063	\$	2,694,321	\$ 2,283,800	\$ 17,649,066
Actual MEP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -	\$	-	\$ -	\$	-	\$ -	\$ -
Actual Keene	\$ 9,967	\$ 23,041	\$ (2,548)	\$ 24,485	\$ 57,093	\$ 64,262	\$	150,870	\$ 196,822	\$	126,600	\$ 166,768	\$	126,139	\$ 78,407	\$ 1,021,906
	2,828,999	1,826,692	2,101,208	5,000,820	5,886,287	6,277,806		5,025,650	6,061,025		12,755,095	11,934,960		12,304,327	10,425,838	\$ 82,428,708
	January	February	March	April	May	June		July	August	5	September	October	-	November	December	Annual
Budget EN	\$ 1,043,592	\$ 1,043,592	\$ 1,975,567	\$ 4,861,639	\$ 5,793,614	\$ 6,259,602	\$	6,732,996	\$ 6,732,996	\$	5,801,020	\$ 4,598,057	\$	2,439,106	\$ 1,507,131	\$ 48,788,912
Budget GSE	\$ 1,123,937	\$ 1,148,937	\$ 1,148,937	\$ 1,124,940	\$ 1,253,410	\$ 1,275,410	\$	1,092,118	\$ 1,217,088	\$	1,314,008	\$ 1,214,063	\$	1,069,118	\$ 829,228	\$ 13,811,194
Budget MEP	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$ 1,570,352	\$	1,570,352	\$ 1,570,352	\$	1,570,352	\$ 1,570,352	\$	1,570,352	\$ 1,570,352	\$ 18,844,224
Budget Keene	\$ 21,100	\$ 21,100	\$ 42,200	\$ 105,500	\$ 126,600	\$ 137,150	\$	147,700	\$ 147,700	\$	126,600	\$ 94,950	\$	52,750	\$ 31,650	\$ 1,055,000
	\$ 3,758,981	\$ 3,783,981	\$ 4,737,056	\$ 7,662,431	\$ 8,743,976	\$ 9,242,514	\$	9,543,166	\$ 9,668,136	\$	8,811,980	\$ 7,477,422	\$	5,131,326	\$ 3,938,361	\$ 82,499,330

SEPTEMBER 2017 CAPITAL SPENDING UPDATE – 10/17/2017

- 1. Safety Moment
- 2. September 2017 Capital Spending Results
 - a. New Hampshire Overview
 - b. Entity Overview
- 3. High Profile Project Presentations
 - a. Fleet
 - b. CNG Fast Fill Stations
 - c. Windham/Pelham
 - d. Pelham Substation
 - e. Pelham Feeder
 - f. City/State Construction
 - g. CIBS
- 4. Project Delays & Concerns Roundtable
- 5. Project Close Out Variance Reporting
- 6. Emergent Projects
- 7. Questions?

OCTOBER 2017 CAPITAL SPENDING UPDATE – 11/20/2017

- 1. Safety Moment
- 2. October 2017 Capital Spending Results
 - a. New Hampshire Overview
 - b. Entity Overview
- 3. High Profile Project Presentations
 - a. Fleet
 - b. CNG Fast Fill Stations
 - c. Windham/Pelham
 - d. Pelham Substation
 - e. Pelham Feeder
 - f. City/State Construction
 - g. CIBS
- 4. Project Delays & Concerns Roundtable
- 5. Project Close Out Variance Reporting
- 6. Emergent Projects
- 7. Questions?

NOVEMBER 2017 CAPITAL SPENDING UPDATE – 12/19/2017

Agenda

- 1. Safety Moment
- 2. November 2017 Capital Spending Results
 - a. New Hampshire Overview
 - b. Entity Overview
- 3. High Profile Project Presentations
 - a. Fleet
 - b. CNG Fast Fill Stations
 - c. Windham/Pelham
 - d. Pelham Substation
 - e. Pelham Feeder
 - f. City/State Construction
 - g. CIBS
- 4. Project Accruals due 12/22/2017
- 5. Over-Expenditure Forms due ASAP
- 6. Project Close Out Variance Reporting
- 7. Questions?

DECEMBER 2017 CAPITAL SPENDING UPDATE – 01/23/2018

Agenda

- 1. Safety Moment
- 2. December 2017 Capital Spending Results
 - a. New Hampshire Overview
 - b. Entity Overview
- 3. High Profile Project Presentations
 - a. Fleet
 - b. CNG Fast Fill Stations
 - c. Windham/Pelham
 - d. Pelham Substation
 - e. Pelham Feeder
 - f. City/State Construction
 - g. CIBS
- 4. Project Closure Forms
- 5. 2018 Budget Overview
- **6.** Questions?

			1	-	-	2017 Original	-	2017 Revised		B 1 - 1	Burdant.	
Decises	Budget Class	Priority	December (YTD)	Direct Cost	Overhead		2017 Revisions	Budget	Variance	Remaining	Project	Comments
Project 8830-1701	LU CapEx - Replenishment	Mandated		\$ 106,090	\$ 218,287	Budget \$ 50,000.00	2017 Revisions	\$ 50,000	(\$274.276.45)	Budget (\$274.276)	Manager Strabone: Anthony	Comments
8830-1701	LU CapEx - Replenishment	Mandated	\$ 64.283	\$ 58,415	\$ 5.868	\$ 25,000.00	ς .	\$ 25,000	(\$39.282.84)	(\$39.283)	Strabone; Anthony	
8830-1703	LU CapEx - Replenishment	Mandated	\$ 81,497	\$ 81,497		\$ 195,000.00	\$ -	\$ 195,000	\$113,502.93	\$113,503	Foley; Rich	(11-16-15) We expect to spend about \$84,000 through year End (43% of budget)
8830-1704	LU CapEx - Replenishment	Mandated	\$ 410,576	\$ 410,576	\$ -	\$ 390,000.00	\$ -	\$ 390,000	(\$20,575.58)	(\$20,576)	Foley; Rich	(11-16-15) \$35,000 in Commitments - Project to spend \$435,000 thru ye (111% of budget)
8830-1705	LU CapEx - Replenishment	Mandated	\$ (92,608)	\$ (43,830)	\$ (48,778)	\$ 10,000.00	ş -	\$ 10,000	\$102,608.12	\$102,608	Strabone; Anthony	
8830-1706	LU CapEx - Replenishment	Mandated	\$ -	\$ -	\$ -	\$ 15,000.00	\$ -	\$ 15,000	\$15,000.00	\$15,000		
8830-1707 8830-1708	LU CapEx - Replenishment LU CapEx - Replenishment	Mandated Mandated	\$ 30,192 \$ 22,943	\$ 39,165 \$ 22,943	\$ (8,973)	\$ 40,000.00 \$ 75,000.00	\$ -	\$ 40,000 \$ 75,000	\$9,808.02 \$52,057.24	\$9,808	Strabone; Anthony Strabone; Anthony	
8830-1708 8830-1709	LU CapEx - Replenishment	Mandated	\$ 22,943	\$ 22,943		\$ 75,000.00	ς .	\$ 75,000			Strabone; Anthony	
8830-1710	LU CapEx - Replenishment	Mandated	\$ 150,052	\$ 67.475	\$ 82.577		s -	\$ 250,000			Strabone: Anthony	
8830-1711	LU CapEx - Replenishment	Mandated	\$ 414,432	\$ 165,339	\$ 249,093	\$ 387,000.00	\$ -	\$ 387,000		(\$27,432)	Strabone; Anthony	
8830-1712	LU CapEx - Replenishment	Mandated	\$ 1,111,529	\$ 244,466	\$ 867,062	\$ 800,000.00	ş -	\$ 800,000	(\$311,528.66)	(\$311,529)	Strabone; Anthony	
8830-1713	LU CapEx - Replenishment	Mandated	\$ 530,609	\$ 267,719	\$ 262,890	\$ 400,000.00	ş -	\$ 400,000	(\$130,609.02)	(\$130,609)	Strabone; Anthony	
8830-1714 8830-1715	LU CapEx - Replenishment LU CapEx - Replenishment	Mandated Discretionary	\$ 115,647	\$ (18,913)	\$ 134,560	\$ 125,000.00 \$ 5,000.00	\$ - \$ 100.000.00	\$ 125,000 \$ 105,000			Strabone; Anthony Strabone: Anthony	Increase for Golden Rock Substation (Tuscan Village Driver)
8830-1715 8830-1716	LU CapEx - Replenishment	Discretionary				\$ 25,000.00	\$ 100,000.00	\$ 25.000			Strabone; Anthony	Increase for Golden Rock Substation (Tuscan Village Driver)
8830-1717	LU CapEx - Replenishment	Discretionary	\$ -	s -	s -		s -		\$10,000.00		Strabone; Anthony	
8830-1718	LU CapEx - Replenishment	Discretionary	\$ -	\$ -	\$ -	\$ 24,996.00	s -	\$ 24,996			Strabone; Anthony	
8830-1719	LU CapEx - Replenishment	Discretionary	\$ (3,083)	\$ (1,506)	\$ (1,578)	\$ 9,996.00	\$ -	\$ 9,996		\$13,079	Strabone; Anthony	
8830-1720	LU CapEx - Improvement	Mandated	\$ -	\$ -	\$ -	\$ 25,000.00	\$ -	\$ 25,000	\$25,000.00	\$25,000	Dorn; Doug	
8830-1721	LU CapEx - Improvement	Mandated	\$ 314,042	\$ 144,445	\$ 169,597	\$ 500,000.00	s -	\$ 500,000	\$185,958.45		Strabone; Anthony	
8830-1722 8830-1723	LU CapEx - Improvement LU CapEx - Improvement	Mandated Mandated	\$ 15,641 \$ 152	\$ 5,133 \$ (36,244)	\$ 10,508 \$ 36,396	\$ 25,000.00 \$ 75,000.00	S -	\$ 25,000 \$ 75,000	\$9,359.24 \$74,848.39	\$9,359	Strabone; Anthony Strabone; Anthony	
8830-1723 8830-1724	LU CapEx - Improvement	Mandated	\$ 70.994		\$ 30,390	\$ 50,000.00	ς .	\$ 75,000			Dorn; Doug	
8830-1724 8830-1725	LU CapEx - Improvement	Discretionary	\$ 70,994	\$ 41,976	\$ -	\$ 50,000.00	s -	\$ 50,000	\$8,024.29		Romano; Don	
8830-1726	LU CapEx - Improvement	Discretionary	\$ 283,406	\$ 283,406	\$ -		\$ -	\$ 250,000			Foley; Rich	(11-16-15) with add of Rav4 for Metering total projected ~280,000 (112% of budget)
8830-1727	LU CapEx - Improvement	Discretionary	\$ 69,149	\$ 64,994	\$ 4,155		ş -	\$ 250,000			Watson; Jennifer	
8830-1728	LU CapEx - Improvement	Discretionary	\$ (3,585)	\$ (2,930)	\$ (655)		\$ -	\$ 39,996		\$43,581	Dorn; Doug	
8830-1729	LU CapEx - Improvement	Discretionary	\$ 9,960	\$ 9,960	\$ -	\$ 84,996.00	\$ -	\$ 84,996			Dorn; Doug	
8830-1730 8830-1731	LU CapEx - Improvement	Discretionary	\$ 1,401	\$ 7,666	\$ (6,264)	\$ 25,000.00 \$ 15,000.00	\$ -	\$ 25,000	\$23,598.81		Dorn; Doug	
8830-1731 8830-1732	LU CapEx - Improvement LU CapEx - Improvement	Discretionary Discretionary	\$ -	\$ -	\$ -		\$ (291,360.73)	\$ 15,000	\$15,000.00 \$0.00		Dorn; Doug Watson; Jennifer	Anticipating delay in receipt of project charges
8830-1733	LU CapEx - Improvement	Discretionary			\$.		\$ (291,360.73)	\$ -	\$0.00		Watson; Jennifer	Anticipating delay in receipt of project changes Anticipating delay in receipt of project changes
8830-1734	LU CapEx - Improvement	Discretionary	š -	s -	s -	\$ 322,928.34	\$ (322,928.34)	\$ -	\$0.00		Watson: Jennifer	deferred, because of Project One and the GIS Roadmap
8830-1735	LU CapEx - Improvement	Discretionary	\$ -	\$ -	\$ -	\$ 8,991.85	\$ (8,991.85)	\$ -	\$0.00	\$0	Watson; Jennifer	deferred, because of Project One and the GIS Roadmap
8830-1736	LU CapEx - Improvement	Discretionary	, .	\$ -	\$ -	30,000.00	\$ (500,000.00)	\$ (450,000)			Watson; Jennifer	deferred, because of Project One and the GIS Roadmap
8830-1737	LU CapEx - Growth	Growth	\$ 550,399	\$ 172,767	\$ 377,633	\$ 1,000,000.00	ş -	\$ 1,000,000	\$449,600.59		Strabone; Anthony	
8830-1738	LU CapEx - Growth	Growth	\$ 1,374,477	\$ 350,349	\$ 1,024,128		\$ -	\$ 1,200,000			Strabone; Anthony	
8830-1739 8830-1740	LU CapEx - Improvement LU CapEx - Improvement	Discretionary Discretionary	\$ 20,901	\$ 11,072	\$ 9,829 \$ -		\$ 12,030.00 \$ 17,631.00	\$ 12,030 \$ 17,631			Dorn; Doug Dorn; Doug	Emergent Project
8830-1740	LU CapEx - Improvement	Discretionary	\$ 49.824	\$ 42,080	\$ 7.744		\$ 35,000.00	\$ 35,000			Strabone: Anthony	Emergent Project
8830-1742	LU CapEx - Improvement	Discretionary	\$ 2,487	\$ 1,880	\$ 607	š -	\$ 65,000.00	\$ 65,000			Strabone; Anthony	Recloser will not be replaced before year end
8830-1743	LU CapEx - Improvement	Discretionary	\$ 116,368		\$ -	\$ -	\$ 116,586.00	\$ 116,586	\$217.97		Romano; Don	Emergent Project
8830-1744	LU CapEx - Improvement	Discretionary	\$ 27,169	\$ 23,701	\$ 3,467	\$ -	\$ 100,000.00	\$ 100,000			Strabone; Anthony	
8830-1745	LU CapEx - Improvement	Discretionary	\$ 12,450	\$ 12,450	ş -	\$ -	\$ 19,745.00	\$ 19,745	\$7,295.00		MacDonald; Rich	
8830-1746	LU CapEx - Improvement	Discretionary	\$ 113,750	\$ 113,750	s -		\$ 50,000.00	\$ 50,000			MacDonald; Rich	
8830-1867 8830-C18603	LU CapEx - Improvement LU CapEx - Improvement	Discretionary Regulatory	\$ - 1 704 020	\$ 1,501,456	\$ 282,582	\$ 1,300,000.00	\$ 50,000.00	\$ 50,000 \$ 1,300,000		\$50,000	Strabone; Anthony Strabone: Anthony	
8830-C18620	LU CapEx - Replenishment	Regulatory	\$ 499.069	\$ 484,011	\$ 15,058	\$ 316,992.00	\$.	\$ 316,992		(\$182,077)	Strabone: Anthony	
8830-C18630	LU CapEx - Replenishment	Regulatory		\$ 225,997	\$ 57,072		\$ 500,000.00	\$ 525,000			Strabone; Anthony	
8830-C20473	LU CapEx - Improvement	Regulatory	\$ -	\$ -	\$ -	\$ 200,000.00	\$ -	\$ 200,000	\$200,000.00	\$200,000	Strabone; Anthony	
8830-C22214	LU CapEx - Improvement	Discretionary		\$ 101,340	\$ 132,896	\$ 75,000.00	\$ 138,618.00	\$ 213,618	(\$20,617.73)	(\$20,618)	Strabone; Anthony	
8830-C31402	LU CapEx - Replenishment	Discretionary	\$ (8,293)		\$ (1,451)	\$ 100,000.00	s -	\$ 100,000	\$108,293.43		Strabone; Anthony	
8830-C32279	LU CapEx - Replenishment	Discretionary	\$ (38)		5 -	5 -	5 -	5 -	\$38.22		Strabone; Anthony	
8830-C36423 8830-C36424	LU CapEx - Improvement LU CapEx - Improvement	Regulatory Regulatory	\$ 253,472 \$ 467,937	\$ (2,460) \$ 224,224	\$ 255,933 \$ 243,712	\$ 300,000.00 \$ 50,000.00	\$ - \$ 225,000.00	\$ 300,000 \$ 275,000	\$46,527.64		Strabone; Anthony Strabone; Anthony	
8830-C36425	LU CapEx - Improvement	Regulatory	\$ 555,143	\$ 188,271	\$ 366,872	\$ 50,000.00	\$ 400,909.00	\$ 450,909	(\$104,233 96)		Strabone; Anthony	
8830-C36427	LU CapEx - Replenishment	Discretionary	\$ (18,359)	\$ (50)	\$ (18,309)	\$ -	\$ -	\$ -	\$18,359.16		Strabone; Anthony	
8830-C36430	LU CapEx - Improvement	Regulatory	\$ 3,925,242	\$ 2,788,561	\$ 1,136,681	\$ 2,100,000.00	\$ 1,420,000.00	\$ 3,520,000	(\$405,242.48)	(\$405,242)	Strabone; Anthony	
8830-C36431	LU CapEx - Improvement	Regulatory	\$ 1,203,589	\$ 992,358	\$ 211,231		\$ -	\$ 1,000,000	(\$203,589.00)	(\$203,589)	Strabone; Anthony	
8830-C36433	LU CapEx - Improvement	Mandated	\$ 99,322		\$ 70,601		\$ -	\$ 25,000			Strabone; Anthony	
8830-C36435	LU CapEx - Replenishment	Discretionary	\$ 39,611	\$ 14,328	\$ 25,282		\$ 32,993.00				Strabone; Anthony	
8830-C42851 8830-C42901	LU CapEx - Improvement LU CapEx - Improvement	Discretionary Discretionary	\$ 217,522 \$ 172,156	\$ 88,567 \$ 39,534	\$ 128,955 \$ 132,621	\$ 500,000.00 \$ 150,000.00	\$ -	\$ 500,000 \$ 150,000	\$282,477.92 (\$22,155,89)	\$282,478 (\$22,156)	Strabone; Anthony Strabone: Anthony	
8830-C42901 8830-C42912	LU CapEx - Improvement LU CapEx - Growth	Growth	3 1/2,156	3 59,534	3 132,621	\$ 150,000.00 \$ 25,000.00	ς .	\$ 150,000 \$ 25.000	\$25,000.00		Strabone; Anthony Strabone; Anthony	
8830-C42920	LU CapEx - Improvement	Discretionary	\$ 8,463	\$ 6,804	\$ 1.659			23,000	\$22,000.00		Strabone; Anthony	
8830-C42921	LU CapEx - Improvement	Discretionary	\$ 203,306	\$ 126,761	\$ 76,544		\$ 111,562.00	\$ 111,562	(\$91,743.61)		Strabone; Anthony	
8830-C42926	LU CapEx - Replenishment	Discretionary	\$ 110,870	\$ 31,250	\$ 79,621		\$ 107,302.00	\$ 107,302			Strabone; Anthony	
8830-C42930	LU CapEx - Growth	Growth	\$ 6,923		\$ 5,172		\$ -	\$ 200,000	\$193,077.15		Strabone; Anthony	
8830-C42933	LU CapEx - Improvement	Discretionary	\$ 1,109				s -	s -	(\$1,109.35)		Strabone; Anthony	Carryover Cost
8830-C42934	LU CapEx - Replenishment	Emergent	\$ 82,731	\$ 41,957	\$ 40,774	\$ 112,000.00	5 -	\$ 112,000		\$29,269	Strabone; Anthony	
8830-CD0291 8830-CD0376	LU CapEx - Replenishment LU CapEx - Improvement	Mandated Discretionary	\$ 70,683 \$ 59,261	\$ 46,244 \$ 59,261	\$ 24,439	-	\$ 21,286.00	\$ 21,286	(\$49,396.81)	(\$49,397)	Strabone; Anthony Strabone; Anthony	+
8830-CD0376 8830-OTH-009	LU CapEx - Improvement	Discretionary	\$ 59,261	\$ 2,878	· ·	\$.	ς .	\$ -	(\$2,877,921		Foley; Rich	Carryover Cost
	LU CapEx - Improvement	Discretionary		\$ 1.645.513	\$ (1.812.446)	š -	š -	š -	\$166,933,12		Trottier: Cynthia	- MARIN P. C. S. C. S.
				\$ 11,464,048	\$ 4,854,361	\$ 13,923,193	\$ 2,109,020	\$ 16.032.213	(\$286,195.54)	(\$286,196)		,

highlighted items: Attachment Staff 1-2 provided different numbers. They were copied over to the response incorrectly.

Row Labels		of Labor					Sum	of Outside Srvc			Sum of COR					Sum of CY	Su	ım of PY		n of Grand Total
8830-1701	\$	72,449	\$	12,911	\$	12,620			\$	218,287		\$	8,169	\$	(60)				\$	324,376
8830-1702	\$	3,079	\$	59,813	\$	(2,160)	\$	(2,468)	\$	5,868				\$	150				\$	64,283
8830-1703	\$	(105)			\$	81,602													\$	81,497
8830-1704			\$	-	\$	410,576													\$	410,576
8830-1705	\$	(7,673)			\$	(30,651)			\$	(48,778)				\$	(5,506)				\$	(92,608
8830-1707					\$	39,165			\$	(8,973)									\$	30,192
8830-1708		46.240		22.224	\$	22,943				02.577			4.400						\$	22,943
8830-1710	\$ \$	16,319		33,324	\$	13,646		40.475	\$	82,577		\$	4,186		2 277				\$	150,052
8830-1711		76,274	\$		\$	8,925		18,175	\$	249,093		\$	16,878		2,277				\$	414,432
8830-1712 8830-1713	\$ \$	301,135 79,941	\$ \$	87,854 141,148	\$	(159,497)	\$	49,328	\$ \$	867,062 262,890		\$ \$	(37,298) 2,457		2,944 (428)				\$ \$	1,111,529
	\$			-	\$	44,601	,	15.050				\$	-	\$					\$	530,609
8830-1714	\$	40,673	\$	22,817	\$	58,473	Þ	15,658	\$ \$	134,560		ş Ś	(155,789)	Ş	(744)				۶	115,647
8830-1719 8830-1721	\$	(1,820) 42,461		41,450	\$ \$	(45) 101,351	,	1,420	\$	(1,578) 169,597		Ş	359	\$	6,763			(40,000)	\$	(3,083 314,042
8830-1721 8830-1722	\$	10	\$	41,450	\$ \$	683	Þ	1,420	\$	10,508				Ş	0,703		Ş	(49,000)	\$	15,641
8830-1723	Ś	23,748	\$	8,758	\$	(39,271)	\$	5,075	\$	36,396		\$	(31,035)	ć	(3,518)				\$	15,041
8830-1724	Ş	23,740	Ş	0,738	\$	70,994	ب	3,075	ڔ	30,336		ڔ	(31,033)	ب	(3,318)				\$	70,994
8830-1724 8830-1725					\$	41,976													\$	70,994 41,976
8830-1725 8830-1726					\$	283,406													\$	283,406
8830-1727	\$				\$	64,173			\$	4,155				\$	821				\$	69,149
8830-1727 8830-1728	٠	-	\$	968	\$	(3,898)			\$	(655)				Ç	021				\$	(3,585
8830-1729			J	308	\$	9,960			Ļ	(033)									\$	9,960
8830-1730					Ś	8,645			\$	(6,264)				\$	(980)				\$	1,401
8830-1737	\$	101,835	¢	77,767	\$	36,039	\$	(2,762)		377,633		\$	(40,703)		581				\$	550,399
8830-1738	\$		\$	279,390	\$	590,400		63,548	\$	1,024,128		Ś	(919,791)		456				\$	1,374,477
8830-1739	Ś	1,047	Ÿ	273,330	Ś	10,025	Ÿ	03,540	Ś	9,829		Ÿ	(313,731)	Ÿ	430				Ś	20,901
8830-1741	Y	1,047			Ś	42,080			Ś	7,744									Ś	49,824
8830-1742					Ś	1,880			Ś	607									Ś	2,487
8830-1743					Ś	116,000			•					\$	368				Ś	116,368
8830-1744					Ś	23,701			Ś	3,467				*					Ś	27,169
8830-1745					Ś	12,450			•	-,									Ś	12,450
8830-1746					Ś	113,750													Ś	113,750
8830-C18603	Ś	63,733	\$	66,446	\$	1,502,036	Ś	(50,000)	Ś	282,582		\$	(11,554)	\$	12,375		\$	(81,580)	\$	1,784,038
8830-C18620	\$	6,957	\$	638	\$	475,842		(,,	Ś	15,058			, , , ,	\$	574			(- ,,	Ś	499,069
8830-C18630	\$	19,728			\$	200,656	\$	12,767	\$	57,072				\$	2,846		\$	(10,000)	\$	283,069
8830-C22214	\$	31,275	\$	44,175	\$	27,147			\$	132,896				\$	(1,258)				\$	234,236
8830-C31402	\$	(173)			\$	(6,578)			\$	(1,451)				\$	(92)				\$	(8,293)
8830-C32279	\$	(38)																	\$	(38
8830-C36423	\$	6,604	\$	(3,446)	\$	13,759	\$	96,023	\$	255,933							\$	(115,400)	\$	253,472
8830-C36424	\$	8,418	\$	246,848	\$	17,655	\$	91,304	\$	243,712							\$	(140,000)	\$	467,937
8830-C36425	\$	16,887	\$	137,790	\$	223,452	\$	30,143	\$	366,872							\$	(220,000)	\$	555,143
8830-c36427	\$	(210)	\$	160					\$	(18,309)									\$	(18,359
8830-C36430	\$	84,611	\$	84,021	\$	2,292,052	\$	247,063	\$	1,136,681				\$	113,215		\$	(32,400)	\$	3,925,242
8830-C36431	\$	26,857	\$	129,235	\$	802,536	\$	25,076	\$	211,231				\$	8,654				\$	1,203,589
8830-C36433	\$	21,314	\$	5,031	\$	1,488	\$	888	\$	70,601									\$	99,322
8830-C36435	\$	4,594	\$	5,594	\$	2,184			\$	25,282				\$	1,957				\$	39,611
8830-C42851	\$	18,284	\$	26,663	\$	117,158	\$	3,379	\$	128,955				\$	6,782		\$	(83,700)	\$	217,522
8830-C42901	\$	13,517	\$	13,763	\$	30,735	\$	(1,192)	\$	132,621				\$	(289)		\$	(17,000)	\$	172,156
8830-C42920					\$	6,705			\$	1,659				\$	99				\$	8,463
8830-C42921	\$	3,183	\$	75,538	\$	48,040			\$	76,544									\$	203,306
8830-C42926	\$	6,300	\$	16,462	\$	5,150	\$	3,141	\$	79,621				\$	202		\$	(5)	\$	110,870
8830-C42930	\$	1,639							\$	5,172				\$	111				\$	6,923
8830-C42933	\$	274							\$	709				\$	127				\$	1,109
8830-C42934	\$	18,526	\$	20,851	\$	2,580			\$	40,774									\$	82,731
8830-CD0291	\$	7,533	\$	12,669			\$	4,446	\$	24,439		\$	21,595						\$	70,683
8830-CD0376					\$	59,261													\$	59,261
8830-OTH-009					\$	2,700								\$	178				\$	2,878
8830-UNALLOC BRDN	\$ 1	,351,118	\$	227,723	\$	313,697	\$	79,966	\$	(1,812,446)						\$ 7,074	\$	(36,154)	\$	(166,933
Grand Total	\$ 2	,796,650	\$:	1,923,611	\$	8,122,797	\$	690,976	\$	4,854,361		\$ (:	L,142,526)	\$	148,605	\$ 7,074	\$	(785,239)	\$	16,318,409

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Data Requests - Set 5

Date Request Received: 7/25/19

Date of Response: 8/8/19

Request No. Staff 5-14 Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Reference the Company's responses to Staff 3-29:

- a. Given the growth provided by the Tuscan Village project is the primary justification for the Golden Rock and Rockingham projects, how much in terms of financial contributions or CIAC (Contributions in Aid of Construction) will Tuscan Village contribute to Liberty's total planned capital spending for these projects?
- b. Are "other commercial growth" projects in the Salem area providing CIAC to Liberty? If yes, please provide those CIAC amounts by project.
- c. If neither Tuscan Village nor other commercial projects are supporting the Golden Rock and Rockingham capital projects through CIAC, then provide the financial justification as to why those capital expenditures should be borne by all of Liberty's ratepayers.
- d. Please provide:
 - i. the distribution planning study for all work relating to the Goldenrock and Rockingham projects
 - ii. the Company's request for service (RSI) load calculations for proposed loads including calculations for loads that have been placed into service at the Tuscan Village
 - iii. actual loads for those services that have been energized
 - iv. the engineering business case for the Goldenrock/Barron Ave/Salem Depot/New Rockingham transmission and distribution work
 - v. other applicable capital expenditure approval documentation required for this capital expenditure.

RESPONSE:

- a. As of the time of this response, the total CIAC received is \$752,982. Only 25% of the design is completed for Tuscan Village. Once further design of the area is completed, the load information will be calculated which will allow Liberty to request any additional CIAC as necessary.
- b. There are many projects that make up "other commercial growth" projects, and all projects follow Line Extension Policies 3 and 4 in the Company's tariff. If the revenue calculation provided for in the tariff requires the customer to provide CIAC, then the Company will request the contribution. The Gateway Project, noted in Staff 3-29, is the largest commercial project outside of the Tuscan Village project. That project provided for \$155,255 in CIAC as of the date of this response. There are other buildings that have not yet been designed at this time, thus the Company does not know the loads or if any CIAC will be necessary related to those buildings.
- c. Please see the response to subpart a.
- d. See the responses below:
 - i. Please see Attachment Staff 5-14.d.i. for the Salem Area Planning Study that explains the necessity of the Golden Rock and Rockingham projects.
 - ii. Load calculations are based on industry standards for the type of businesses and housing being built. The developer provided the types of buildings and then the Company estimated the loads based on those standards. Please see Attachment Staff 5-14.d.ii.1.xlsx through Attachment Staff 5-14.d.ii.5.xlsx for CIAC calculations by customer. Please note the customer names have been replaced with numerical values for confidentiality reasons.
 - iii. The actual load for the services energized as of the date of this response is 2094 kW, with approximately 7,155,205 annual kWh.
 - iv. The business cases and other related project documentation for Golden Rock and the Rockingham Supply line and substation are provided in Attachment Staff 5-14.d.iv. The Baron Ave and Salem Depot projects do not have business cases associated with them as they are not planned to be retired until in or about 2023.
 - v. There is no other documentation required for these capital expenditures other than what has been provided in this response.

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 1

Date Request Received: 10/18/19

Request No. Staff TS 1-13

Date of Response: 11/1/19

Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Re: Staff 9-3; Projects 8830-1864 & 8830-PE, \$1.5 million land purchase. Please provide the following information involving the purchase of the Rockingham substation site:

- a. Copy of signed Purchase and Sale Agreement.
- b. Complete copy of the property appraisal including all attachments.
- c. Copies of all Change Orders or Over Expenditure Applications related to the projects.
- d. Any and all documentation and analysis associated with Liberty's research of alternative sites (other than Salem Depot) within the Salem service area.
- e. Any and all documentation (including e-mails, memos, spreadsheet analysis and presentations) between Liberty and the corporate parent associated with proposing and approving the purchase of the Rockingham site
- f. Verification that the \$1.5 million land purchase, including all carrying costs, have not been included in the 2018 test year and the 2019 Step Increase.
- g. Site Plan of the Salem Depot substation location and a detailed explanation, including any written analysis, as to why it was not considered as a viable alternate site.
- h. Copies of work orders/spreadsheets associated with #'s 301864-03001 and 301864-03002, showing costs spent and dates.
- i. Amount of CIAC associated with the purchase and amount of projected CIAC associated with construction of the substation.

RESPONSE:

- a. Please see Attachment Staff TS 1-13.a.
- b. Please see Attachment Staff TS 1-13.b.
- c. Please see Attachment Staff TS 1-13.c.
- d. Please see the response to part g.

- e. Approval of the business case and the related change order is the approval of the Rockingham substation site.
- f. Please see Attachment Staff TS 1-13.h.xlsx.
- g. Please see Attachment Staff TS 1-13.g. In order to accommodate Rockingham substation, the parcel needs to be a minimum of one acre. The Company purchased 1.5 acres because it needs additional undeveloped land around the substation to accommodate vehicles or large equipment necessary to perform any future maintenance or replacement of equipment at the substation. The fence line will be placed near the property line to alleviate the need for traffic control and road closures for the large equipment previously mentioned, as this is currently a concern at the Salem Depot substation. Parcel #1099 is only 0.14 acres and parcel #10115, where Salem Depot substation is currently located is only 0.44 acres, as provided by the City's assessment data.
- h. Please see Attachment Staff TS 1-13.h.xlsx.
- i. The line extension policy is the only policy approved in the tariff that provides for CIAC. This project is not a line extension, thus CIAC is not associated.

Docket No. DE 19-064 Attachment Staff TS 1-13.a Page 1 of 16

PURCHASE AND SALE AGREEMENT

This Agreement is dated this ____ day of December, 2017 (the "Effective Date"), between Rock Acquisition, LLC, a New Hampshire limited liability company, having an address of 2352 Main St., Suite 201, Concord, MA 01742 (the "Seller"), and Liberty Utilities (Granite State Electric) Corp., a New Hampshire corporation having a mailing address of 15 Buttrick Road, Londonderry, NH 03053 (the "Buyer").

Reference is made to the following facts:

- A. Seller owns approximately 120 acres of land on Route 28 in Salem, New Hampshire, being developed as a retail and residential mixed-use project under the name of "Tuscan Village" (the "Tuscan Village Project").
- B. Buyer desires to purchase approximately 1.4 acres of land (the "Real Estate"), which is part of the Tuscan Village Project, as shown on the plan attached hereto as Exhibit A, together with an easement over Tuscan Village Project for the right to access the Real Estate. The Real Estate, together with (i) all rights, privileges and easements appurtenant to the Real Estate and owned by Seller; and (ii) all improvements, on or within the Real Estate shall be collectively referred to herein as the "Property".
- C. Buyer intends to seek subdivision approval from the Town of Salem to subdivide the Real Estate from the remainder of the Tuscan Village Project, to purchase the Property from Seller, and to construct an electrical substation thereon (the "Substation"), subject to the terms and conditions herein.
- NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Seller agrees to sell and Buyer agrees to buy the Property for the sum and upon the terms and conditions as follows:
- 1. <u>Sale and Purchase</u>. Seller shall sell and Buyer shall purchase, in fee simple absolute and subject to the terms and conditions herein, the Property.
- 2. <u>Purchase Price</u>. The purchase price (the "Purchase Price") for the Property shall be One Million Five Hundred Thousand and 00/100 Dollars (\$1,500,000.00) ("Purchase Price"), payable as follows:
- (a) Buyer has paid a deposit of One Hundred Fifty Thousand Dollars (\$150,000.00) (the "Deposit"). The Deposit shall be held in escrow by Hinckley, Allen & Snyder LLP (the "Escrow Agent") in an interest-bearing account and shall be applied or disbursed in accordance with the terms of this Agreement.

Docket No. DE 19-064 Attachment Staff TS 1-13.a Page 2 of 16

- (b) Subject to the adjustments and prorations provided elsewhere in this Agreement, the balance of One Million Three Hundred Fifty Thousand 00/100 Dollars (\$1,350,000.00) shall be paid by the Buyer to the Seller on the date of the closing of this sale (the "Closing") in immediately available funds by certified check or federal wire transfer.
- 3. <u>Time of Closing</u>. The parties agree to close on the date which is thirty (30) days after the expiration of the Permit Period, unless otherwise mutually agreed upon by the parties. The Closing shall occur at the offices of Seller's counsel in New Hampshire, or at such other place mutually agreed upon by the parties, at a time mutually convenient to the parties.

4. Warranties and Representations.

- (a) Seller represents to the Buyer that: (i) Seller has marketable and insurable title to the Property; (ii) Seller is not a "foreign person" within the meaning of Section 1455, et. seq. of the Internal Revenue Code of 1986 as amended, or any regulations promulgated thereunder; (iii) Seller has the power and authority to enter into and perform its obligations under this Agreement and the execution, delivery and performance of this Agreement have been duly authorized by all necessary limited liability company actions, and (iv) there is no suit, action (legal or administrative), arbitration or other proceeding or any nature pending or to the best of Seller's knowledge, threatened against the Property, or against the Seller and relating to the Property.
- (b) Buyer represents to the Seller that (i) the Buyer has the power and authority to enter into and perform its obligations under this Agreement; and (ii) the execution, delivery and performance of this Agreement have been duly authorized by all necessary actions.
- 5. <u>Condition of Property.</u> Buyer understands and agrees that, other than with respect to Seller's obligations hereunder to be satisfied prior to Closing, and Seller's post-closing construction obligations pursuant to Paragraph 20(b) hereof, Seller has not made and does not make any representations or warranties as to the physical condition, title, or any other matter or thing affecting or relating to the Property and Buyer hereby expressly acknowledges that no such representations or warranties have been made or are implied. Buyer agrees to take the Property "AS IS, WHERE IS" on the Closing Date with all faults in its then physical condition and Seller expressly disclaims any representations or warranties of title, merchantability, usage or fitness for any particular purpose.
- 6. <u>Title and Deed</u>. At the Closing, Seller shall convey to Buyer or its nominee by Warranty Deed (the "Deed") fee simple good and clear record, marketable and insurable title to the Property, free of all liens, agreements, leases, restrictions, parties in possession, mortgages and encumbrances except: (i) provisions of building and zoning laws in effect on the Closing Date; (ii) real property taxes for the then current year which are not yet due and payable on the Closing Date; (iii) any matters of record existing as of the date of this Agreement provided that the same do not materially interfere with the use

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of the Property for the Substation in the reasonable discretion of Buyer (collectively, the "Permitted Exceptions").

Notwithstanding the foregoing, unless Buyer notifies Seller in writing prior to the expiration of Buyer's "Due Diligence Period" (defined in Section 7, below) of any respect in which title to the Property does not conform with the requirements of this Agreement, then Buyer shall be treated as having waived any right thereafter to assert that title to the Property is not of the quality required hereby, but such waiver shall apply only with respect to defects existing as of the date of the expiration of Buyer's Inspection Period.

If Buyer notifies Seller in writing as aforesaid of any manner in which Seller's title does not conform with the requirements of this Agreement (the "Buyer's Title Objections"), then Seller shall notify Buyer within five (5) business days thereafter, whether Seller will attempt to cure such Title Objections. Seller's failure to give notice within said five (5) business day period shall be deemed an election not to cure said Title Objections. If Seller elects to cure said Title Objections as aforesaid, Seller shall, for a period of time (not to exceed 30 days), to use diligent and good faith efforts to remove and remedy same. If, at the expiration of such thirty (30) day period, Seller despite such diligent and good faith efforts shall have failed to remove and remedy same, then, at Buyer's option, the Deposit shall be forthwith returned to Buyer, this Agreement shall become null and void, and the parties hereto shall have no further rights and obligations hereunder. Notwithstanding the foregoing, Seller shall be obligated to remove, at Seller's sole cost and expense (i) any mortgage affecting the Real Estate; (ii) any monetary lien affecting the Real Estate; and (iii) any real estate taxes or assessments affecting the Real Estate (collectively the "Monetary Liens"), provided that Seller shall be entitled to use the sale proceeds to remove the Monetary Liens.

7. Due Diligence/Investigations.

For a period commencing on the Effective Date and expiring at 5:00 p.m. Eastern Standard Time forty five (45) days thereafter ("the Due Diligence Period"), Buyer shall have the right to perform its due diligence review, in such a manner as Buyer determines, of the condition of the Property, including without limitation, title, environmental condition, planning and zoning laws, and physical characteristics relating to the Property, at Buyer's sole expense, to determine the suitability of the Property for the Substation. If Buyer determines during such time, within its reasonable discretion, that the condition of the Property or any other matter related to the Property or Buyer's intended use thereof is not acceptable, then Buyer shall have the right to terminate this Agreement, by giving written notice of termination to Seller, upon which (i) the Buyer shall deliver to Seller all other reports, engineering data, plans, studies and other similar materials related to the Property prepared for or generated by Buyer in connection with its due diligence review of the Property; (ii) the Deposit shall be refunded to the Buyer; (iii) this Agreement shall become null and void; and (iv) the parties shall have no further rights or obligations hereunder. If this Agreement is not terminated as aforesaid, the Deposit shall become nonrefundable, except in the event Buyer does not obtain the Permits as set forth in Section 8.

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- During the Due Diligence Period, Seller shall provide Buyer or its authorized representatives reasonable access to the Property, as Buyer may from time to time reasonably request to conduct, at Buyer's sole expense, all such reviews, studies, tests and the like which are reasonably appropriate in connection with the inspections authorized by Subsection (a) above. Seller agrees to reasonably cooperate with Buyer in its due diligence and, within five (5) business days after the Effective Date, will provide to Buyer copies of all reports, permits, approvals and other information and materials related to the condition of the Property, including but not limited to, site assessments, environmental assessments, surveys, existing or draft subdivision or site plans, soil studies and all other data pertaining to the physical condition or physical nature of the Property, to the extent such materials are in Seller's possession (the "Seller's Due Diligence Materials"). Seller's Due Diligence Materials will be provided by Seller without representation or warranty as to accuracy or completeness. If Seller's Due Diligence Materials are not timely delivered to Buyer within this five (5) business day deadline, the Due Diligence Period shall be extended one (1) day for each day such materials are delivered late.
- (c) Buyer shall be responsible for ensuring that any part of Property affected by such investigation is restored to as near as possible its original condition. Buyer's investigation shall be conducted in a manner so as to minimize interference or disruption of any on-going business activities at the Property and on the Tuscan Village Project. Furthermore, Buyer shall also notify Seller at least two (2) days in advance of any proposed investigations requiring entry upon the Property. Seller may impose such reasonable requirements on Buyer as it may reasonably elect in order to assure that the Property is not damaged. As a condition to allowing Buyer or any of its representatives access to the Property, Buyer or its representatives shall provide Seller with evidence of comprehensive general liability insurance in an amount not less than Two Million Dollars (\$2,000,000.00) naming Seller as an additional insured on such policy. Without limiting the foregoing, Buyer hereby agrees to indemnify, defend and hold Seller harmless from and against any and all claims, suits, obligations, liabilities, damages, costs and expenses (including without limitation reasonable attorney's fees) for physical injury to the Property or for injury to persons or property arising out of any of the provisions of this Section 7 or any acts or omissions of Buyer or any of its representatives in performing Buyer's due diligence review hereunder. This Section 7(c) shall survive the expiration or termination of this Agreement.
- (d) Hazardous Materials, Environmental Laws. Buyer's inspection during the Due Diligence Period shall include, but shall not be limited to, investigations of the physical condition thereof and to determine the status of the Property with respect to geotechnical matters and Hazardous Materials (as hereinafter defined) and compliance with applicable Environmental Laws (hereinafter defined). Notwithstanding anything to the contrary contained herein, Buyer's right to conduct such inspections and tests shall not include the right to conduct any invasive environmental testing, and neither Buyer nor any of its agents, consultants or contractors shall perform any borings, well drilling, cut samples or similar procedures without the prior written approval of Seller. "Hazardous Materials" means asbestos, urea formaldehyde,

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polychlorinated biphenyls, nuclear fuel or materials, radioactive materials, explosives, known carcinogens, petroleum products and by products (including crude oil or any fraction thereof), and any pollutant, contaminant, chemical, material or substance defined as hazardous or as a pollutant or a contaminant in, or the use, manufacture, generation, storage, treatment, transportation, release or disposal of which is regulated by, any Environmental Law. "Environmental Law" means any federal, state, county, municipal, local or other statute, ordinance or regulation that relates to or deals with the protection of the environment or wildlife and/or human health and safety, including all regulations promulgated by a regulatory body pursuant to any such statute, ordinance, or regulation, including the Comprehensive Environmental Response and Liability Act of 1980, as amended, 42 U.S.C. Section 9601 et seq., the Resource Conservation and Recovery Act, as amended, 42 U.S.C. Section 6901, et seq., the Federal Water Pollution Control Act, as amended, 33 U.S.C. Section 1251 et seq., the Clean Air Act, as amended, 42 U.S.C. Section 7401 et seq. and any applicable local law or the laws of the State of New Hampshire and any regulations promulgated thereunder (collectively, the "Environmental Laws").

8. Approvals. The Buyer shall have a period of one hundred twenty (120) days after the expiration of the Due Diligence Period (the "Permit Period") to obtain, at Buyer's sole cost and expense, all necessary final and unappealable governmental licenses, permits, and approvals to construct the Substation on the Property (the "Permits"). Buyer shall be responsible to obtain any and all necessary permits and approvals, including subdivision approval, at Buyer's sole cost and expense, except that if such permits and approvals are conditioned upon construction or installation of improvements as part of Seller's Tuscan Village Project, the cost of such improvements shall be Seller's responsibility, as further set forth in Section 20(c). Buyer shall use diligent and good faith efforts to obtain all required Permits. Seller agrees to cooperate with Buyer in seeking said Permits, provided that Seller shall not be required to incur any costs or expenses in connection therewith. Seller hereby authorizes Buyer during the term of this Agreement to apply for and sign applications for any Permits and shall execute the authorization letter attached hereto as Exhibit B simultaneously with the execution of this Agreement.

In the event the Buyer, despite its diligent and good faith efforts, is not able to secure the Permits within the Permit Period, with all appeal periods expired with no appeals filed or with any appeals dismissed or determined with finality in favor of Buyer, either party may, if it so elects, terminate this Agreement, upon which the Deposit shall be refunded to Buyer.

9. <u>Condemnation</u>. If, prior to the Closing, all or any part of the Property shall be condemned by governmental or other lawful authority such that, in Buyer's reasonable judgment, its contemplated use of the Property is materially, adversely affected, Buyer shall have the option of (a) completing the purchase in accordance with the terms of this Agreement, in which event all condemnation proceeds or claims thereof relating to the Property, if any, shall be assigned to Buyer or (b) canceling this Agreement, in which event any Deposit paid by Buyer shall be forthwith returned to Buyer and this Agreement shall be terminated with neither party having any rights or obligations hereunder.

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- 10. <u>Taxes and Assessments</u>. Real property taxes, water and sewer charges, utility costs, if any, shall be prorated and adjusted on a per diem basis as of the date of Closing using the most recently available assessment, invoice, meter reading or billing. Taxes due and payable for all prior years shall be paid, by Seller, on or before the Closing. If the Closing shall occur before the tax rate is fixed for the then-current year, the apportionment of taxes shall be upon the basis of the tax rate for the preceding year applied to the latest assessed valuation, with the proration to be adjusted between the parties based on actual taxes for the year in which Closing occurs at the time such actual taxes are determined. If as of the date of Closing no separate assessment has been assigned to the Property then, for purposes of prorating, the assessed value for the Property will be that percentage of the overall assessment of the land valuation component of the property from which the Property has been subdivided as the acreage of the Property bears to the total acreage of the unsubdivided property prior to subdivision.
- 11. <u>Transfer Tax</u>. The expense and cost of all state and local documentary, revenue stamps, or other transfer taxes, if any, relating to the sale of the Property shall be divided evenly between the parties on the date of Closing consistent with New Hampshire conveyancing practice. Both parties agree to execute any tax returns required to be filed in connection with any such taxes.
- Default by Buyer. If the Buyer shall fail to close the transaction contemplated 12. hereby, or shall default in any other obligation of Buyer hereunder for a period of more than ten (10) days after written notice of such default by Seller, the Deposit made hereunder shall be paid by the Escrow Agent to the Seller as liquidated damages as Seller's sole remedy, either in equity or law. The parties acknowledge that such liquidated damages are a fair and reasonable measure of Seller's potential damages from Buyer's failure to fulfill Buyer's agreements herein, and that such liquidated damages do not and will not constitute a penalty. The parties acknowledge and agree that Seller has no adequate measure of damages in the event of Buyer's breach of or default under this Agreement because it is impossible to compute exactly the damages or losses which would accrue to Seller in such event. Therefore, the parties have taken these facts into account in setting the amount of the deposits made hereunder, and hereby agree that: (i) such Deposit is a reasonable forecast and approximation of such actual damages and losses which would accrue to Seller in the event of Buyer's default hereunder, and which could result from Seller's inability to resell the Property for the same agreed purchase price due to any number of presently undeterminable factors, including, but not by way of limitation, compensation to Seller for removing the Property from the market and reimbursement for costs and expenses (including attorney's fees) incurred by Seller; and (ii) the Deposit represents a reasonable amount for such damages and losses and not a penalty against the Buyer. In such an event this Agreement shall become null and void and the parties shall have no further rights or obligations hereunder.
- 13. <u>Default by Seller</u>. If, Seller shall default in the performance of any of its obligations hereunder, Buyer shall, have the right either (i) to terminate this Agreement without further liability hereunder, in which event the Deposit shall be forthwith returned to

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Buyer and the parties shall have no further rights of obligations hereunder or (ii) to pursue a suit for specific performance.

- 14. <u>Brokerage Fees.</u> Seller and Buyer represent and warrant to each other that no brokerage fees or real estate commissions are or shall be due or owing in connection with this transaction or in any way with respect to the Property. Seller agrees to defend, indemnify, and hold Buyer harmless from any claims, costs, judgments, or liabilities of any kind advanced by persons claiming real estate brokerage fees through Seller. Buyer agrees to defend, indemnify and hold Seller harmless from any claims, costs, judgments, or liabilities of any kind advanced by persons claiming real estate brokerage fees through Buyer. The indemnities set forth in this Paragraph 14 shall survive Closing
- 15. <u>Conditions Precedent to Buyer's Obligation to Purchase the Real Estate.</u> The obligation of the Buyer to purchase the Property under this Agreement is expressly conditional and contingent upon all of the following:
 - receipt of marketable and insurable title to and possession of the Property simultaneously with the Closing in the condition required by this Agreement, subject to the Permitted Exceptions;
 - (b) all of Seller's warranties and representations set forth in Paragraph 4 hereof being true as of the Closing, and Seller shall have fully satisfied all covenants hereunder required to be satisfied before the Closing;
 - (c) no eminent domain proceeding pending against the Property or any portion thereof:
 - (d) there being no material adverse change in the condition of the Property from its condition as of the date of the expiration of the Due Diligence Period; and
 - (e) receipt or waiver of the Permits.

These conditions and Seller obligations are for the benefit of Buyer and any one or more of such conditions or obligations (collectively, the "Buyer Conditions Precedent to Closing") may be waived by Buyer in its sole discretion. If any one of the Buyer Conditions Precedent to Closing are not met, Buyer may terminate this Agreement by giving written notice to Seller and receive a refund of the Deposit.

- 16. <u>Conditions Precedent to Seller's Obligation to Sell the Property</u>. The obligation of the Seller to sell the Property under this Agreement is expressly conditional and contingent upon receipt of the full Purchase Price from the Buyer for the Property at the Closing.
- 17. <u>Notices</u>. All notices and other communications required or permitted to be given hereunder shall be in writing and shall be (i) mailed by certified or registered mail,

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postage prepaid, or (ii) sent overnight mail by a recognized national delivery service, or (iii) faxed or emailed (with confirming hard copy mailed by first class mail) addressed as follows or to such other addresses as the parties may designate in writing from time to time:

If to Seller: Rock Acquisition, LLC

> 2352 Main St., Suite 201 Concord, MA 01742 Tel: (603) 912-5467

Email: tbean@tuscanbrands.com

With a copy to: Hinckley, Allen & Snyder LLP

> 650 Elm St., Suite 500 Manchester, NH 03101 Attn: John H. Sokul, Jr. Tel: (603) 225-4334

Email: jsokul@hinckleyallen.com

Liberty Utilities If to Buyer:

15 Buttrick Road

Londonderry, NH 03053 Attn: Jill Fitzpatrick Tel: (603) 216-952-2999

Email: Jill.Fitzpatrick@libertyutilities.com

With a copy to: Liberty Utilities

15 Buttrick Road

Londonderry, NH 03053 Attn: Michael J. Sheehan Tel: (603) 216-335

Email: Michael.Sheehan@libertyutilities.com

<u>Closing Costs</u>. Notwithstanding anything to the contrary contained herein, the Closing costs shall be paid as follows:

By Buyer:

- title examination and title insurance premium (a)
- one-half of the State real estate transfer tax (b)
- (c) recording fees
- its own legal fees (d)

By Seller:

- (a) cost of preparing the Deed
- one-half of the State real estate transfer tax (b)

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- (c) cost of obtaining and recording all title clearing documents, if any
- (d) its own legal fees
- 19. <u>Documents to be Delivered at Closing</u>. At the Closing, the Seller and Buyer shall execute, acknowledge and deliver all documents required to effectuate the transaction contemplated by this Agreement.
- 20. <u>Construction Obligations</u>. The following special obligations shall apply to the transaction and shall survive the Closing:
 - (a) Buyer shall construct, at Buyer's sole cost and expense, the Substation which will provide adequate electrical service to the Tuscan Village Project as generally shown on the conceptual master plan, a copy of which is attached hereto as Exhibit C, and according to the service requirements timetable attached hereto as Exhibit D. Buyer represents and warrants that the electrical system supplying electricity to the Tuscan Village Project, including the Substation, will be sufficient to serve the Seller's proposed development as and when needed per Exhibit D.
 - (b) Within thirty days following execution of this Agreement, Seller shall provide, at Seller's sole cost and expense, gravel, unpaved (but reasonable) access to the Real Estate in the general location shown on Exhibit E. The access will be paved by Seller following the Closing as and when Seller's Tuscan Village project is fully built out.
 - (c) Seller shall reserve in the deed to Buyer a slope/grading easement in the area labeled "Proposed 15' 0" grading easement" on Exhibit F. Seller shall be responsible, at its sole cost and expense, for any grading and related improvements within the slope/grading easement. Buyer shall be responsible, at its sole cost and expense, to construct a screening fence around the substation and for all other improvements on the Property.
- 21. <u>Time of Essence</u>. Time is expressly declared to be of the essence of this Agreement.
- 22. <u>Headings</u>. The headings to the Sections hereof have been inserted for convenience of reference only and shall in no way modify or restrict any provisions hereof or be used to construe any such provisions.
- 23. <u>Modifications</u>. The terms of this Agreement may not be amended, waived or terminated orally, but only by an instrument in writing signed by both Seller and Buyer.
- 24. <u>Successors</u>. This Agreement may not be assigned by the Buyer without Seller's prior written consent, which shall not be unreasonably withheld.
 - 25. Deposit and Escrow Funds.

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- The Deposits made hereunder shall be held in escrow by Hinckley, Allen & Snyder LLP as escrow agent, subject to the terms of this Agreement and shall be duly accounted for at the Closing. The Deposit shall be held in a federally insured, interestbearing, money market escrow account. In the event that Buyer or Seller sends notice to Escrow Agent certifying to Escrow Agent that it is entitled to receive the Deposit pursuant to the terms of this Agreement (other than at the Closing), Escrow Agent shall forward a copy of such certification to the other party (pursuant to the notice provisions of Paragraph 17 hereof). If Escrow Agent does not receive an objection from such party to such certification within fifteen (15) days after the date of such notice, Escrow Agent may disburse all such amounts to the certifying party. If Escrow Agent receives an objection or receives conflicting demands, Escrow Agent shall have the right to do either of the following: (i) interplead the Deposit into a court of competent jurisdiction in Hillsborough County, New Hampshire (the cost of doing so, up to a maximum of \$1,000, to be deducted from the Deposit) and the parties shall thereafter be free to pursue their rights at law or in equity with respect to the disbursement of the Deposit and the Escrow Agent shall be fully released and discharged from its duties and obligations under this Agreement; or (ii) resign and transfer the Deposit to a replacement escrow agent reasonably satisfactory to Buyer and Seller. Upon the transfer of Deposit to such replacement escrow agent, the Escrow Agent shall thereupon be fully released and discharged from all obligations to further perform any and all duties or obligations imposed upon it by this Agreement.
- (b) The Escrow Agent shall incur no liability hereunder whatsoever, except in the event of its willful misconduct or gross negligence. The other parties hereto, jointly and severally, agree to defend and indemnify the Escrow Agent against all reasonable costs, obligations and liabilities suffered by it for which it may be claimed to be liable hereunder, except for that occasioned by its willful misconduct or gross negligence. The indemnity provided in the preceding sentence shall survive any termination of this Agreement. The fees of the Escrow Agent and costs incurred by it in performing its duties hereunder shall be shared equally by the parties.
- (c) The Buyer acknowledges and understands that the Escrow Agent is Seller's attorney in this transaction. In the event of any dispute between the Buyer and the Seller arising out of this Agreement, the Buyer agrees that the Escrow Agent may represent the Seller in connection with that dispute provided that Escrow Agent also proceeds in accordance with (i) or (ii) of Paragraph (a), above. The Buyer agrees that in the event of any such dispute and provided that the Escrow Agent proceeds in accordance with (i) or (ii) of Paragraph (a) above, it will not object to the Escrow Agent's representation of the Seller in such dispute because of any potential or actual conflict of interest arising due to the Escrow Agent's role as Escrow Agent under the terms of this Agreement.
- 26. <u>Counterparts</u>. The Agreement may be signed by the parties in counterparts.
 - 27. <u>Cooperation</u>. The parties agree to cooperate with each other in good faith

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and in all reasonable respects to cause the transactions contemplated by this Agreement to be consummated in accordance with the terms of this Agreement and in allowing each party to fulfill its obligations and covenants contained in this Agreement, including, without limitation, each parties' permitting and construction activities.

- 28. <u>Entire Agreement</u>. This Agreement contains the entire agreement between Seller and Buyer, and there are no other terms, conditions, undertakings, promises, statements, or representations, express or implied, concerning the sale and other undertakings contemplated by this Agreement.
- 29. <u>Title Standards</u>. With respect to the conveyance of the property contemplated by this Agreement, any title matter which is the subject of a title standard of the New Hampshire Bar Association Title Examination Standards at the time for delivery of the deed shall be governed by said title standard to the extent applicable and not inconsistent with any provision of this Agreement.
- 30. <u>Drafting Party</u>. Buyer and Seller acknowledge that each of them and their counsel have had an opportunity to review this Agreement and that this Agreement will not be construed against either party merely because its counsel has prepared it.
- 31. <u>Force Majeure</u>. Notwithstanding anything to the contrary contained in this Agreement the parties' respective construction obligations shall be extended by one day for each day that completion is delayed due to wars, acts of God, fire, insurrection, and riots, winter conditions or strikes that prevent normal progress of construction, provided that written notice of such delay is delivered to the other party within fifteen days after the delay.

[Signature blocks on next page]

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IN WITNESS WHEREOF, the the day and year first above wr	parties have executed this Agreement in duplicate as of itten.
SELLER:	By: Name: Joseph & Fara Its: Managery & Member
BUYER:	LIBERTY UTILITIES (GRANITE STATE ELECTRIC) CORP.
	By: Name: Susan L. Fleck Its: President
ESCROW AGENT:	HINCKLEY, ALLEN & SNYDER LLP
	By Name: John H. Sokul Its: Partner

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EXHIBIT B - Authorization Letter

To Whom It May Concern:

Rock Acquisition, LLC (the "Owner") is the owner of the property located at 71 Rockingham Park Blvd., Salem, New Hampshire (the "Property"). The Owner hereby authorizes Liberty Utilities and/or its agents to execute, submit and prosecute applications and any applicable materials to the Town of Salem boards, commissions, agencies and the like (including, without limitation, zoning boards, planning boards and the Selectmen) on behalf of the Owner, for the purpose of obtaining municipal permits and approvals for the construction of an electrical substation on the Property.

Rock Acquisition, LLC

By:

Name:

tte: Ma

Duly authorized

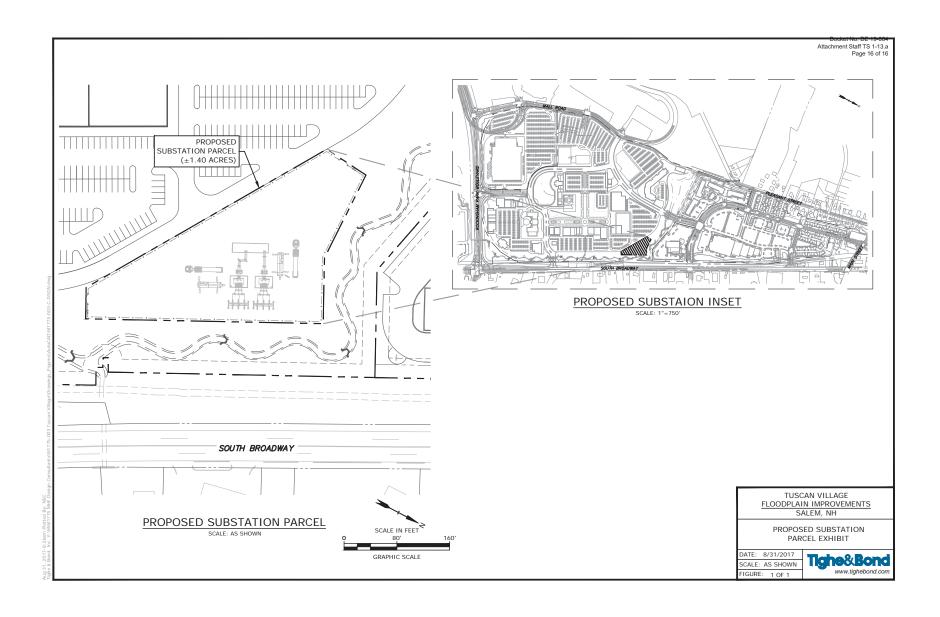
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Its:

Partner

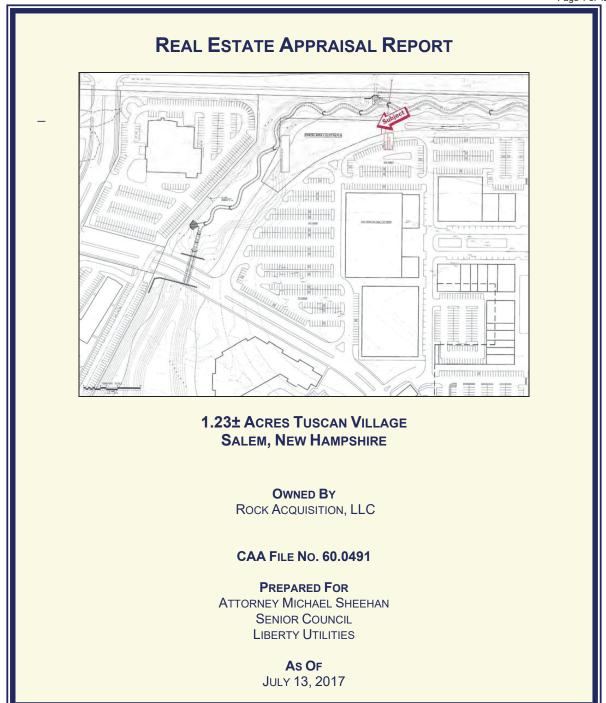
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EXHIBIT A - Plan Showing Real Estate



Docket No. DE 19-064 Docket No. DE 19-064 Exhibit 21 Attachment JED-3c

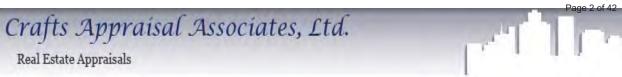
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Crafts Appraisal Associates, Ltd.

4 Bell Hill Road • Bedford, NH 03110 • 603 472-2444 • fax 603 472-9856 • Email admin@craftsappraisal.com

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July 27, 2017

Attorney Michael Sheehan Senior Council Liberty Utilities 15 Buttrick Road Londonderry, NH 03053

Re:

REAL ESTATE APPRAISAL REPORT OF 1.23± ACRE PARCEL TUSCAN VILLAGE SALEM, NEW HAMPSHIRE OWNED BY ROCK ACQUISITION, LLC CAA PROJECT FILE NUMBER 60.0491

Dear Attorney Sheehan,

I have inspected the above-captioned property in order to report my opinion of the Market Value of the fee simple estate as of July 13, 2017. The subject of this report consists of a hypothetical 1.23± acres that will be dedicated to Liberty Utilities' installation of a substation to service the larger Tuscan Village Development on the former Rockingham Park. Exhibits provided by Liberty Utilities indicate this parcel to be on the eastern portion of the larger site near North Broadway. It shows it being on the perimeter of a parking area that will service a commercial portion of the development that is yet to be developed.

The purpose of this appraisal is to assist the intended user, Attorney Michael Sheehan and other involved in the loan decision process at Liberty Utilities in establishing a market value of the fee simple estate on which to make future financial decisions.

This appraisal report was prepared for the exclusive use of Liberty Utilities. This report is not intended for any other use. Any use of this appraisal by any other person or entity, or any reliance or decisions based on this appraisal, are the sole risk of the third party. Crafts Appraisal Associates, Ltd. accepts no responsibility for damages suffered by any third party as a result of reliance on, decisions made, or actions taken based on this report.

4 Bell Hill Road, Bedford, NH 03110 • 603-472-2444 • http://www.craftsappraisal.com

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Attorney Michael Sheehan July 27, 2017 Page 2

The appraisal research and analysis are summarized in the following report. As such, it might not include full discussions of the data, reasoning, and analyses that were used in the appraisal process to develop the opinion of value. Supporting documentation concerning the data, reasoning, and analyses is retained in our files. The information contained in this report is specific to the needs of the client and for the intended use stated in this report.

I hereby certify that I have inspected the subject property, that I have considered all factors that were pertinent to the value estimate, and that I have not knowingly or intentionally omitted any important data. I further certify that I have no present or contemplated future interest in the property, and that my professional fee is not dependent upon the value estimate.

On the basis of my inspection, investigation, study and analysis, I am of the opinion that the subject's value is:

MARKET VALUE OF THE FEE SIMPLE ESTATE AS OF JULY 13, 2017..... \$925,000

Respectfully submitted,

Donald E. Watson

Certified General Appraiser

Donald E. Watson

No. NHCG-191

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SUMMARY OF IMPORTANT FACTS & CONCLUSIONS

Owner of Record: Rock Acquisition, LLC

Location: Tuscan Village Development

71 Rockingham Park Boulevard

Salem, New Hampshire

Map/Lot: 98/7887

Deed Reference: Book 5763, Page 52, Rockingham County Registry of

Deeds.

Land Area: A hypothetical 1.23± acre parcel within the larger 120.64±

> acre parcel that comprises the former Rockingham Park slated to be developed in a mixed-use fashion known as

Tuscan Village.

Improvements: Vacant land

Zoning: Commercial Industrial (CIC)

Flood Zone: According to the National Flood Insurance Program Map for

> Rockingham County, Community Panel No. 33015C0563E, with an effective date of May 17, 2005, the subject appears to be in an area designated as Zone X, an area outside of any known flood zone. There are some flood zone areas associated with the larger parcel and the exact placement of the subject within that is not quite defined. However, based on exhibits provided it appears it is not in the flood zone.

Assessment: There is no meaningful assessment for the subject as

appraised here.

Highest & Best Use: Commercial development

Intended Use/User: The purpose of this appraisal is to assist the intended user,

Attorney Michael Sheehan, Senior Council, and others

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involved in decisions at Liberty Utilities to establish the market value to assist in making future financial decisions.

This appraisal report was prepared for the exclusive use of Liberty Utilities. This report is not intended for any other use. Any use of this appraisal by any other person or entity, or any reliance or decisions based on this appraisal, are the sole risk of the third party. Crafts Appraisal Associates, Ltd. accepts no responsibility for damages suffered by any third party as a result of reliance on, decisions made, or actions taken based on this report.

Extraordinary Assumptions:

No hazardous materials or conditions were observed during the property inspection, nor were any disclosed. This report has not been prepared in an environmental-risk capacity and should not be construed as such. This report assumes that the subject property is free and clear of hazardous materials. If this is found to be untrue, the value in this appraisal could be affected.

This appraisal is based upon the assumption that a 1.23± acre parcel as represented by the client will be subdivided from the larger parcel for use as a utility substation. This is to service the proposed developed which is assumed to be completed.

The above are considered to be an *Extraordinary* Assumptions. <u>USPAP 2014-2015 Edition</u>, defines extraordinary assumption as: "an assumption directly related to a specific assignment as of the effective date of the assignment results, which, if found to be false, could alter the appraiser's opinions or conclusions."

Hypothetical Condition:

This appraisal values a 1.23± acre parcel that has yet to exist but is assumed to have been subdivided from the larger parcel for the sake of this appraisal.

<u>USPAP 2014-2015 Edition</u>, defines *Hypothetical Condition* as: "a condition directly related to a specific assignment, which is

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contrary to what is known by the appraiser to exist on the effective date of the assignment result, but is used for the purpose of analysis."

Estimated Exposure Time: 6-12 months

Valuations: Sales Comparison Approach\$925,000

Valuation Date: July 13, 2017

Report Date: July 27, 2017

Appraiser: Donald E. Watson

Certified General Appraiser No. NHCG-203

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SCOPE OF WORK

INTRODUCTION

The purpose of this assignment is to estimate the Market Value of the fee simple estate of 1.23± acres proposed to be subdivided from a larger parcel to be developed and known as Tuscan Village in Salem, New Hampshire as of July 13, 2017. Inspected on July 13, 2017, the subject of this report consists of a hypothetical 1.23± acres that will be dedicated to Liberty Utilities' installation of a substation to service the larger Tuscan Village Development on the former Rockingham Park. Exhibits provided by Liberty Utilities indicate this parcel to be on the eastern portion of the larger site near North Broadway. It shows it being on the perimeter of a parking area that will service a commercial portion of the development that is yet to be developed.

The appraisal research and analysis are summarized in the following report. As such, it might not include full discussions of the data, reasoning, and analyses that were used in the appraisal process to develop the opinion of value. Supporting documentation concerning the data, reasoning, and analyses is retained in our files. The information contained in this report is specific to the needs of the client and for the intended use stated in this report.

In preparing this appraisal my work included the following:

- Personal inspection of the subject on July 13, 2017;
- Review of available information from the Town of Salem's assessor's office;
- Review of various exhibits provided by the client;
- Inspection of the subject neighborhood to establish uses and trends within the neighborhood;
- Discussions with real estate professionals including other appraisers, brokers, and property owners to compile a pool of data to assist in the valuation section of this report;
- Research of databases including Crafts Appraisal, Paragon, and the Warren Group.

More information on the Scope of Work, such as the type and extent of the data researched and analysis applied, is discussed in the valuation section(s) of the report.

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DEFINITION OF MARKET VALUE

Market Value is the major focus of most real property appraisal assignments. Both economic and legal definitions of Market Value have been developed and refined. A current economic definition agreed upon by federal financial institutions in the United States of America is:

The most probable price which a property should bring in a competitive and open market under all conditions requisite to a fair sale, the buyer and seller each acting prudently and knowledgeably, and assuming the price is not affected by undue stimulus. Implicit in this definition is the consummation of a sale as of a specified date and the passing of title from seller to buyer under conditions whereby:

- 1. buyer and seller are typically motivated;
- both parties are well informed or well advised, and acting in what they consider their own best interests;
- 3. a reasonable time is allowed for exposure in the open market;
- payment is made in terms of cash in United States dollars or in terms of financial arrangements comparable thereto; and
- the price represents the normal consideration for the property sold unaffected by special or creative financing or sales concessions granted by anyone associated with the sale.

This definition is from regulations published by federal regulatory agencies pursuant to Title XI of the Financial Institutions Reform, Recovery, and Enforcement Act (FIRREA) of 1989 between July 5, 1990, and August 24, 1990 by the Federal Reserve System (FRS), National Credit Union Administration (NCUA), Federal Deposit Insurance Corporation (FDIC), the Office of Thrift Supervision (OTS), and the Office of Comptroller of the Currency (OCC). This definition is also referenced in regulations jointly published by the OCC, OTS, FRS, and FDIC on June 7, 1994, and in the *Interagency Appraisal and Evaluation Guidelines*, dated December 10, 2010, Federal Register/Volume 75 No. 237, Page 77471.

PROPERTY RIGHTS APPRAISED

This report is concerned with the value of the subject's fee simple estate. <u>The Dictionary of Real Estate Appraisal</u>, Fifth Edition, defines fee simple estate as: "The absolute ownership unencumbered by any other interest or estate, subject only to the limitations imposed by the governmental powers of taxation, eminent domain, police power, and escheat."

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EXTRAORDINARY ASSUMPTIONS

No hazardous materials or conditions were observed during the property inspection, nor were any disclosed. This report has not been prepared in an environmental-risk capacity and should not be construed as such. This report assumes that the subject property is free and clear of hazardous materials. If this is found to be untrue, the value in this appraisal could be affected.

This appraisal is based upon the assumption that a 1.23± acre parcel as represented by the client will be subdivided from the larger parcel for use as a utility substation. This is to service the proposed developed which is assumed to be completed.

HYPOTHETICAL CONDITION

This appraisal values a 1.23± acre parcel that has yet to exist but is assumed to have been subdivided from the larger parcel for the sake of this appraisal.

VALUATION METHODOLOGIES

In appraising real estate the following methods may be used:

- The Cost Approach, which adds the estimated value of the underlying land and the depreciated improvement cost to derive a value indication.
- The Sales Comparison Approach, which compares the subject to sales of similar properties to derive a value indication.
- The Income Approach, which has two potential methodologies; Direct Capitalization and Discounted Cash Flow Analysis. The first methodology uses capitalization techniques to convert anticipated benefits into an indication of value, while the second applies a discount rate to a set of projected income streams and a reversion to determine value.
- The Development Procedure, which values undeveloped acreage by discounting the cost of development and the probable proceeds from the sale of developed sites. This method incorporates components from each of the other three approaches.

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In appraising the subject, I used the Sales Comparison Approach, which is explained in the valuation section of this report. I did not utilize the Cost or Income Approaches given in this market they are utilized to value improved properties and since the subject, as described here, is vacant land they would not result in an appropriate value. For this reason the Cost and Income Approaches were not developed. The Development Procedure can sometimes be utilized in valuing vacant land but to do so requires engineering, approvals, etc. Since the subject does have these the Development Procedure would not be appropriate and was also not developed. The Sales Comparison Approach will result in a credible opinion of value for the subject property.

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MUNICIPAL CONSIDERATIONS

INTRODUCTION

This section will address specific issues that impact the subject such as community and neighborhood considerations and trends.

MUNICIPAL DESCRIPTION

The subject is in Salem, which is in Rockingham County in the southern part of the state midway between Boston, MA and Concord, NH. The major highways servicing the local area are north/south state Route 28 and east/west Routes 97 and 111. Major links to the regions are provided by Interstates 93 and 495, running north/south and east/west, respectively. Salem is easily accessible via I-93, and is 30 miles north of Boston, 6 miles north of Lawrence, MA, 12 miles east of Nashua, NH and 19 miles southeast of Manchester, the state's largest city.

The population change for Salem totaled 19,643 over 55 years, the sixth largest numeric change was from 9,210 in 1960 to 28,853 in 2015. The largest decennial percent change was an increase of 119% between 1960 and 1970. The next largest percent increase, of 20%, occurred between 1970 and 1980. The 2015 Census estimate for Salem was 28,853 residents, which ranked 7th among New Hampshire's incorporated cities and towns.

The following chart demonstrates the community's growth over the past five decades as compared with that of Rockingham County.

YEAR	SALEM	ROCKINGHAM COUNTY					
2015	28,853	299,006					
2010	28,776	295,223					
2000	28,219	278,748					
1990	25,841	246,744					
1980	24,124	190,345					
1970	20,142	138,951					

As of 2015 there are a total of 11,733 housing units in the community. Of that total 8,496 are single-family with 687 two to four units, 1,765 five or more units, and 523 mobile homes or other housing units.

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The 2015 Census indicates that Salem's per capita income is \$37,325 with a median household income of \$79,755.

Salem's major employers are summarized below:

Northeast Rehabilitation Hospital	300
J.C.Penney Co.	200
Reliable Security Guard	135
Salem Haven	120
Home Depot	100

Salem's most distinguishing characteristic is its proximity both to the major highway system and the state of Massachusetts. Much of Salem's economy is affected both positively and negatively, by its location. The most recently published unemployment rates are as follows:

AREA	5/17	5/16
New Hampshire	2.7%	2.7%
Rockingham County	2.9%	2.9%
Salem-Town NH Portion Lawrence, MassNH NECTA	3.6%	3.4%
Salem	3.6%	3.4%

Salem falls within the Lawrence, Massachusetts PMSA and has a higher unemployment rate compared with the remainder of the state of New Hampshire due to the Massachusetts influence. As such, this figure is a weak indicator of the true conditions in Salem, New Hampshire.

The retail sector has always been a bright spot for Salem. The lack of sales tax in New Hampshire, along with the easy access from Massachusetts, are a driving force of this retail activity. There are many retail businesses along North and South Broadway, aka Route 28, which have benefited from their proximity to Massachusetts. Over 300 retail businesses offer a wide variety of consumer merchandise.

Salem is governed by a five-member board with members elected for three-year terms and a full-time town manager. The selectmen and town warrants are voted on in the annual town meeting in March of each year. The community's planning and zoning functions are handled by a planning department, and are administered by a full-time

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director and a five-person planning board, who implement the town's land use and zoning ordinances.

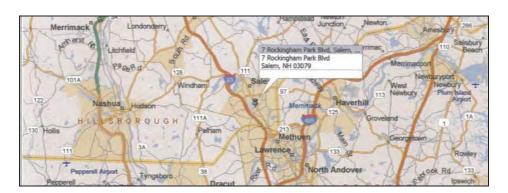
In summary, Salem has traditionally benefited from its location along the New Hampshire/Massachusetts border and its proximity to Route 93. Salem's population has grown over the last ten years, but at a rate slower than many of the surrounding communities. From an employment standpoint, almost a full 50% of the town's labor force works in Massachusetts, which currently contributes to a higher unemployment rate in the town, than in the state overall.

Historically, Salem has had a strong economic base, especially in the retail and industrial sectors. Again, this trend is partly due to the favorable tax structure in New Hampshire and the exceptional access via Interstate 93. The Mall at Rockingham Park, due to its size and location attracts new businesses, employees and shoppers.

The factors that have contributed to Salem's strength in the past are still present. Although the overall economies of both New Hampshire and Massachusetts have impacted the town, its non-manufacturing segment, including retailing, has remained strong.

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MARKET ANALYSIS

NEW HAMPSHIRE HEADING INTO 2017 WITH STRONG ECONOMY

New Hampshire is closing out 2016 with the nation's lowest unemployment rate, wages that are on the rise and strong real estate sales.

Combined, these factors show the state's economy is strong heading into 2017. The state's gross domestic product growth rate of 2.9 percent is among the highest in the nation, according to the most recently available federal data.

"Right now the state is in very good shape, probably the best shape it's been in economically in 10 years," said Russ Thibeault, president of Applied Economic Research in Laconia.

Still, there are challenges. Businesses say the low unemployment rate is making it hard to find skilled workers for open jobs. The state's modest in-migration also may make it hard for the state to sustain its growth.

"Without more people, the economy just can't grow anymore," said Steve Norton, executive director of the New Hampshire Center for Public Policy Studies.

UNEMPLOYMENT

New Hampshire's unemployment rate sat at 2.7 percent in November, tying with South Dakota for the lowest in the nation. That compares to 4.6 percent unemployment nationally.

A low unemployment rate increases competition for workers, which can in turn raise wages, Thibeult said. It also makes it easier for people seeking jobs to find one, because there is less competition.

On the flip side, New Hampshire businesses say it's hard to find skilled workers, particularly in fields such as advanced manufacturing. The state doesn't keep data on job vacancies, so it's hard to know how many positions are unfilled. But a lack of available workers could stop businesses from expanding.

"Almost anywhere you turn in the economy they are dealing with a shortage of skilled workers," said David Juvet, senior vice president of the Business and Industry Association.

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Housing

New Hampshire's housing market is seeing an uptick in sales and home prices, according to recent data from the New Hampshire Association of Realtors.

November data show closed sales on single family homes went up 18.4 percent over the past year. The median sale prices for single family homes went up 5.9 percent, to \$248,750, in the same period. Inventory of available homes has fallen quickly, making it more of a sellers' than a buyers' market.

Mortgage interest rates remain low but have finally started to rise, which adds uncertainty to the housing market heading into 2017, Thibeault said.

JOBS AND WAGES

Wages in New Hampshire also are climbing, offering another indicator of economic strength. On average, they're up 4 to 5 percent, according to data from the federal Bureau of Labor Statistics.

The median wage in New Hampshire is roughly \$24 an hour, but that can vary sharply based on where someone lives. In the Lebanon-Hanover area, for example, the median wage hits almost \$28 an hour. But over in Conway and Wolfeboro, an area dominated more by tourism and retail jobs, the median wage is closer to \$19, according to a November report by the New Hampshire Department of Employment Security.

Roughly 734,000 workers were employed in New Hampshire as of November.

Leisure and hospitality jobs increased by 6 percent since last year, the highest increase, according to federal data.

Source: Kathleen Ronayne Associated Press

NEIGHBORHOOD DESCRIPTION

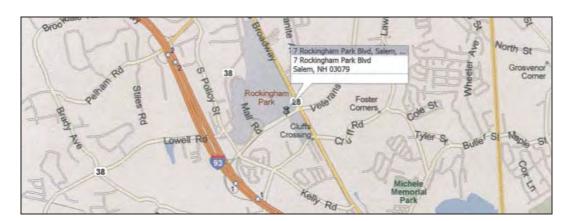
The subject is located on the west side of Route 28, South Broadway. It is sandwiched between Route 28 and Interstate 93. The neighborhood boundaries are roughly defined as Route 28, South Broadway, to the east, Route 97, Main Street, to the north, Interstate 93 to the west, and Rockingham Boulevard to the south.

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The subject neighborhood has excellent access to the major highway system of the region by virtue of its proximity to Interstate 93. I-93 is the major north/south travel corridor running through central New Hampshire. Southerly it leads into Massachusetts and the greater Boston area. To the north it heads into the Manchester/Bedford market area and on into the White Mountains and Lake Regions of the state. The neighborhood has immediate access at either Exit 1, which is from Rockingham Park Boulevard or Exit 2 from Route 97, Main Street. Route 28 is a heavily traveled and commercially developed secondary state highway bisecting the community in a north/south direction. Prior to the construction of I-93, it fulfilled a similar role accessing the central portion of the state. It continues to be heavily traveled due to the retail development along the street.

Route 28 is known as South Broadway from the intersection of Route 97, Main Street, to the north, southerly to the Massachusetts border. Due to the fact that Massachusetts has a sales tax, while New Hampshire does not, the locations in close proximity to the border have been heavily developed with commercial properties, more specifically retail. As a result South Broadway is one of the premier locations in the southern part of New Hampshire. Virtually all national retail franchises, including fast food restaurants, are located on this street. These are situated in freestanding buildings as well as anchored plazas. There are a number of automobile related uses on the street including dealerships.

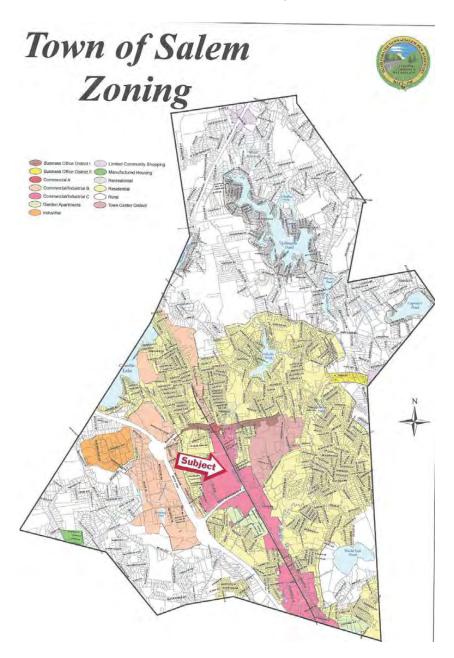
In the subject's immediate area, in addition to the subject itself, the dominant feature is the Mall of Rockingham Park. This is a 1,000,000± SF Mall constructed during the early 90's. The streets in the western section of the subject's immediate neighborhood are primarily older retail.



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ZONING

The subject is located in the Commercial A (CA) Zone. This zone permits a wide range of commercial uses with minimal dimensional requirements.



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ASSESSMENT

The subject is a hypothetical 1.23± acre lot proposed to be subdivided from the larger 120± acre parcel and as such does not have an assessment as of the date of this appraisal.

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SUBJECT PROPERTY DESCRIPTION

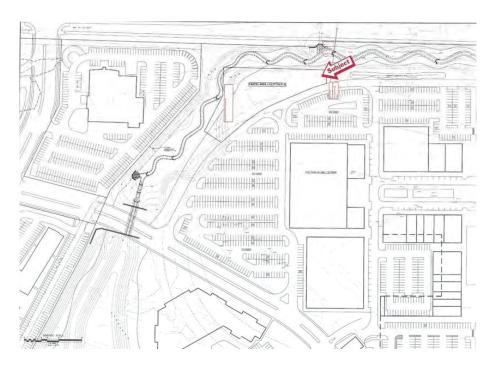
INTRODUCTION

This property description is more based on plans provided by the client on site inspection the specific property was difficult to locate within the larger parcel.

The following property description is presented for appraisal purposes only and is not intended to be exhaustive in nature.

SITE DESCRIPTION

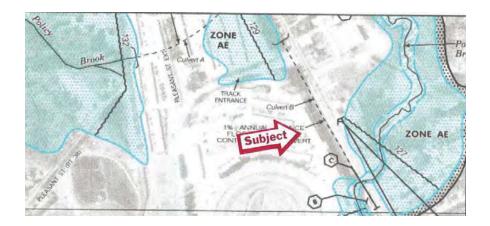
The subject is an irregularly shaped parcel consisting of 1.23± acres. It is proposed to be located in the eastern portion of the larger parcel adjacent to what is proposed for a retail development closest to the area that is proposed for a cinema. The site has some topographic issues but it would more than likely be improved to generally level as part of the site preparation of the larger development. Its frontage and access would come from a to-be-built private road servicing the aforementioned retail development.



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UTILITIES: The area is serviced by municipal water, sewer, electric, telephone, and natural gas.

FLOOD ZONE: According to the National Flood Insurance Program Map for Rockingham County, Community Panel No. 33015C0563E, with an effective date of May 17, 2005, the subject appears to be in an area designated as Zone X, an area outside of any known flood zone. There are some flood zone areas associated with the larger parcel and the exact placement of the subject within that is not quite defined. However, based on exhibits provided it appears it is not in the flood zone.



EASEMENTS: The appraiser is not aware of any easements or adverse conditions that would negatively impact the subject property.

HISTORY OF CONVEYANCE

According to the Rockingham County Registry of Deeds, there has not been a transfer of the subject as described here. The larger parcel transferred as follows:

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SALE DATE	10/14/2016
SALE PRICE	\$40,000,000
BOOK/PAGE	5763/52
GRANTOR	Rockingham Venture
GRANTEE	Rock Acquisition, LLC
COMMENTS	This was the sale of a larger parcel of what was known as Rockingham Racetrack. The purchaser in this transaction is proposing to develop it in a life style type center with a variety of uses including retail, hospitality, residential. The subject parcel which would be subdivided from this larger parcel would be to provide area for a utility substation by Liberty Utilities because of the increased demand to service the proposed development.

EXPOSURE TIME

Reasonable exposure time is one of a series of conditions in most market-value definitions. Exposure time is always presumed to proceed the effective date of the appraisal. USPAP, 2014-2015 Edition, defines exposure time as follows:

"The estimate length of time the property interest being appraised would have been offered on the market prior to the hypothetical consummation of a sale at market value on the effective date of the appraisal;"

The subject represents a small parcel of what is a larger development. Given the exhibits provided to me it would make for a nice outparcel to the larger retail development which it abuts. As that development comes to fruition there would be good demand for this parcel. Therefore, I feel that the exposure would be dictated by the pace of development of the larger development. As that development moves forward I feel that the exposure would be a relatively short period of time however, as of the date of this appraisal there would be little demand for the parcel as it sits today. Therefore in summary, the exposure time associated with the subject is directly related to the development timeline of the larger development.

HIGHEST AND BEST USE

<u>The Dictionary of Real Estate Appraisal</u>, Fourth Edition, defines Highest and Best Use as:

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"The reasonably probable and legal use of vacant land or an improved property, which is physically possible, appropriately supported, financially feasible, and that results in the highest value. The four criteria the highest and best use must meet are legal permissibility, physical possibility, financial feasibility, and maximum productivity."

The subject is a hypothetical 1.23± acre parcel that is irregular in shape and is located on the eastern side of the larger 120± acre parcel. It is directly adjacent to what is proposed to be a larger retail development. Its access would come from a road that would be developed along with that development.

The development which is to be known as Tuscan Village is a lifestyle center which will have a variety of uses including the adjacent retail development but will also have other components such as hospitality and residential. It is the site of the former Rockingham Racetrack. The area around the larger parcel is heavily developed in a commercial fashion. Directly adjacent to the larger parcel is the large Mall at Rockingham Park. The larger parcel is surrounded by heavily developed roads known as Rockingham Park Boulevard, South Broadway Street, and Main Street. Access is very good and my feeling is that the subject parcel would represent a good outparcel to be developed in concert with the larger retail parcel. Given its size it would most likely support a restaurant use although a small standalone retail use would also be appropriate.

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SALES COMPARISON APPROACH

INTRODUCTION

The Sales Comparison Approach compares the subject to similar properties that have sold in the same market or in similar markets to derive an indication of its market value.

RESEARCH

I surveyed the subject's market area for information regarding sales and listings of properties similar to the subject. Research was conducted around the Southern and Seacoast part of the State for well located commercial parcels. Particular attention was paid to those in close proximity to larger commercial developments such as that of the subject. That research resulted in a relatively large pool of comparable sales from which the four that were considered to be the most comparable to the subject were chosen for analysis here. They consist of one each in the communities of Dover, Manchester, Hooksett, and Salem.

I gathered information regarding comparable properties from the Real Data Research Service, INNOVIA - the Northern New England Network MLS, CIBOR NH – the Commercial MLS, Crafts Appraisal Database, local and county municipal offices, brokers and appraisers. All of these sources are believed to be reliable. Parties familiar with the transactions confirmed the transactions whenever possible.

UNIT OF COMPARISON

In reviewing the comparable sales, it was necessary to determine a meaningful unit of comparison. A definite relationship was found to exist among the comparable sales in the form of sale price per acre. As such, I have determined that the sale price per acre is the most meaningful unit of comparison in analyzing the subject and the comparables.

SUMMARY OF COMPARABLE PROPERTIES

The comparables used in this approach are discussed briefly below. Please refer to the Comparable Sale Forms that follow this section for more information regarding these properties.

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COMP 1: This represents the March 2017 sale of a four parcel property located at 817, 819, and 825 Central Ave and 3 Ridge Street in Dover, New Hampshire. The total size of the property was 1.14± acres and it sold for \$950,000 or \$673,759/acre. The parcel had 347.92±' of frontage on Central Ave and an additional 170±' of frontage on Ridge Street. The parcels were improved with a number of older residential or multi unit residential all of which were in below average condition and were felt to not add any contributory value to the sale. The buyer purchasing the property planned to develop it with a 15,000± SF owner-occupied retail center. This property is a corner parcel located in direct proximity to the Hannaford and Shaw's development and is considered to be a good to very good commercial location.

COMP 2: This represents the October 2014 sale of property located at 5 Driving Park Drive in Manchester, New Hampshire. This 2.58± acre parcel sold for \$1,700,000 or \$656,878/acre. The property was purchased by the owner of a furniture store who subsequently improved it with a 64,000± SF two story building. The property is located one parcel removed from South Willow Street at a signalized intersection. It has some visibility from South Willow Street and is adjacent to a large commercial development from which it has access through a number of the parking lots just east of South Willow Street as the City has prevailed on owners to make this available from one parcel to another to relieve some of the shopping traffic along South Willow Street.

COMP 3: This represents the April 2016 sale of property located at 1293 Hooksett Road, Hooksett, New Hampshire. This 1.05± acre parcel sold for \$795,000 or \$757,143/acre. The property is located at a signalized intersection in close proximity to a dense retail development. It represents a corner parcel with access from two roads and has subsequently been improved with a branch bank.

COMP 4: This represents the December 2015 sale of property located at 417 South Broadway in Salem, New Hampshire. This 4.898± acre parcel sold for \$3,900,000. However, there was an existing building on the site which was going to be reused by the purchaser who is an abutting property owner, owning a car dealership across South Broadway from the subject. They intended to use it as a used car dealership. The depreciated contributory value of the building and the site improvements was \$700,000 making the

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effective price for the land \$3,200,000 or \$653,328/acre. Some of the total acreage was felt to be impacted by wetlands and would not support building however it may have been able to contribute to the density on the parcel.

SALE CONSIDERATIONS

In real estate transactions, property rights transferred, terms of sale (financing), conditions of sale (buyer/seller motivation), and expenses incurred immediately after purchase are factors that can influence sale price. In this analysis Comps 1, 2, and 3 involved fee simple estate, had conventional financing or were cash transactions, and appear to have been typically motivated, arm's length transactions. Since the Market Value of the subject's fee simple estate is being appraised here, and the other sale considerations are typical, adjustments have not been applied for these factors.

Comp 4 was sold to what would be considered an abutting property owner given that they had a car dealership directly across the street. They were going to use this parcel for expansion of the used car operation of that dealership. As such, I have adjusted it down by 10%.

MARKET CONDITIONS

Market conditions may change over time due to inflation, deflation, fluctuations in supply and demand, or other factors. As a result, the comparable sales may require adjustments to reflect changes in market conditions between the sale dates and the date of this report. In a market in which prices are increasing, these adjustments take the form of positive appreciation adjustments.

In considering changes in market conditions since the comparables sold, I consulted business publications for an overview of general economic conditions, industry-specific publications including the New England Real Estate Journal, The Appraisal Journal, and local brokers and appraisers familiar with the subject's market area.

The market for well located commercial properties has improved commensurate with the improvement in the overall commercial marketplace. While the broader recovery has been led by industrial and multi-family residential, commercial properties, as noted, have begun to improve. After an initial period of stabilization where vacancies and credit losses began to decrease the market is now to the point where landlords can write multi-year leases some with escalations. As the financial performance of these properties has

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improved investors have become more interested in the property type and therefore improved commercial properties have shown appreciation.

It is felt that the demand for improved properties has improved the demand for well located commercial land and has also led to some appreciation in that market. As such, I have adjusted each of the comparables upward by 0.25% per month from January 2015 to the date of appraisal.

OTHER POTENTIAL ADJUSTMENTS

Relevant differences that may influence sale price can include size, location, and a variety of physical characteristics. In the case of the subject and the comparables it is felt that there are two areas that require formal adjustment. Those are location and physical features and are made as follows:

LOCATION: This appraisal assumes that the subject will be adjacent to a larger retail establishment and will benefit from the synergy of the overall development. As such, it is felt that it will be a very good commercial location within that commercial development however, it will not benefit necessarily from the broader traffic flow as if it was located along a main artery.

Comp 1 is located on Central Ave, which is Dover's primary commercial thoroughfare. It is an area that is heavily developed with commercial development. This parcel is located in direct proximity to two large grocery store anchored centers and is a corner location. As such, I feel this is a superior location and have adjusted it downward by 10%.

Comp 4, which is located directly on South Broadway in Salem, was felt to be in the same market as the subject, does benefit from a closer proximity to the Massachusetts boarder which drives much of the retail development in Salem and also is a heavily developed area. Therefore, I feel this comparable is superior from a locational standpoint of view and have adjusted it downward by 10%.

Comps 2 and 3 were felt to be similar. Comp 2 is located in Manchester and is one parcel removed from South Willow Street although it has access at a signalized intersection. It is in close proximity to other retail development at the northern end of South Willow Street where development has begun to

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decline. Given its greater proximity to South Willow Street, some of which is offset by its location on South Willow Street, I feel that it is similar to the subject even though it does have some benefits from a visibility standpoint of view. Comp 3 was also felt to be similar. It was at a signalized intersection in proximity to some large development. The subject property upon completion will have a greater density in supportive type uses however I feel that is offset by the signalized intersection and therefore no adjustment has been made to this comparable.

PHYSICAL FEATURES: The subject property will be a flat site serviced by all municipal utilities upon completion of the larger development. Comps 1, 2, and 3 were all felt to be similar in that they were ready to develop sites and as such no adjustment has been made to those.

Comp 4, as noted, has a certain amount of wetlands on the larger parcel. The impact of those wetlands is such that perhaps they would not support building however it does have contributory value as far as density and parking. Therefore, I feel that it is inferior and have adjusted it upward by 20%.

VALUE CONCLUSION

The comparable properties and their adjustments are summarized in the table that follows this section. The analysis indicates the following adjusted per acre values:

Comp 1	\$612,446
Comp 1	
Comp 2	\$707,786
•	\$785,536
Comp 4	\$677,517

The adjusted per acre values range from \$612,446 to \$785,536. Each of the sales provides a meaningful indication of value for the subject after adjustments. Of the four comparables Comp 4 was accorded the least weight. While it is the only comparable in Salem it was bought by an abutter and was also impacted by wetlands. While both of these things were adjusted for I feel for those reasons it is a slightly less reliable comparable and have accorded it the least weight.

The other three comparables were felt to be better indicators of value. Comp 2 which is the oldest comparable is similar in the fact that it is a parcel that derives much of

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its value because of its proximity to other commercial development and is not located directly on the main artery. For that reason I feel that it should be given consideration.

Based on this investigation and analysis, as well as personal experience and judgment, I have formed the opinion that the subject warrants a value estimate of \$750,000 per acre, as shown:

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COMPARATIVE VALUE ANALYSIS CHART

FACTORS	SUBJECT	COMP 1	COMP 2	COMP 3	COMP 4
Location	71 Rockingham Park Boulevard Salem, NH	825 Central Ave Dover, NH	5 Driving Park Dr. Manchester, NH	1293 Hooksett Rd. Hooksett, NH	417 South Broadway Salem, NH
CAA Ref. No.	N/A	7991	7801	7892	7844
Sale price	N/A	\$950,000	\$1,700,000	\$795,000	\$3,200,000 ¹
Sale date	N/A	3/17	10/14	4/16	12/15
Rights transferred	N/A	Fee simple	Fee simple	Fee simple	Fee simple
Financing	N/A	Cash to Seller	Conventional	Cash	Conventional
Motivation	N/A	Arm's length	Arm's length	Arm's length	Abutter -10%
Expenses immediately after purchase					
Market Conditions	N/A	+1%	+7.75%	+3.75%	+4.75%
Adjusted price	N/A	\$959,500	\$1,831,750	\$824,813	\$3,016,800
No. of Acres	1.23± acre	1.41± acres	2.588±	1.05±	4.898±
Adjusted Price per Acre	N/A	\$680,496	\$707,786	\$785,536	\$615,925
Location	N/A	Superior -10%	Similar	Similar	Superior -10%
Physical Features	N/A	Similar	Similar	Similar	Inferior +20%
INDICATED VALUE/ACRE	N/A	\$612,446	\$707,786	\$785,536	\$677,517

¹Effective Price

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COMPARABLE LAND SALE 1

SALE DATA

Location: 817, 819, & 825 Central Ave and 3 Ridge Street, Dover, NH

Grantor: Dean A. Fournier Charitable Trust 2005

Grantee: Jeanette Gestapo, LLC

 Sale Date:
 3/1/2017

 Sale Price:
 \$950,000

 Sale Price Per Acre:
 \$673,759

 Date Recorded:
 3/22/2017

County/Deed Type: Rockingham/Fiduciary

Book/Page: 4464/111
Rights Transferred: Fee simple
Conditions of Sale: Arm's length
Financing: Cash to Seller

Confirmed By: DEW
Date: 7/1/2017
Source: Broker

PHYSICAL DESCRIPTION

Size: 1.41± acres

Frontage: 347.92±' on Central Ave/170±' on Ridge St.

Shape/Road Grade: Slightly irregular/At grade

Topography: Level

MUNICIPAL DATA

Water/Sewer/Gas: Municipal/Municipal/Natural

Zoning: Business - 3

Improvements/Land Use: Older residential structures to be razed

Highest & Best Use: Commecial development

REMARKS

These are four adjacent parcels of land that were purchased together for \$950,000. The parcels were each improved with an older wood-frame residence or multi-unit residences that were in average to below average overall condition at the time of sale. They had no contributory value to the sale. The buyer purchased the property planning to develop it with a 15,000± SF owner-occupied retail building. This is located at a corner and less than one-quarter mile east of the Hannaford and Shaw's development.

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COMPARABLE LAND SALE 2

SALE DATA

Location: 5 Driving Park Drive, Manchester, NH

Grantor: Five Driving Park, LLC
Grantee: Leclerc Plaza, LLC

 Sale Date:
 10/1/2014

 Sale Price:
 \$1,700,000

 Sale Price Per Acre:
 \$656,878

 Date Recorded:
 10/30/2014

County/Deed Type: Hillsborough/Warranty

Book/Page: 8704/509
Rights Transferred: Fee simple
Conditions of Sale: Arm's length
Financing: Conventional

Confirmed By: DEW
Date: 10/1/2014

Source: Grantee & Documentation

PHYSICAL DESCRIPTION

Size: 2.588± acres

Frontage: On Driving Park Drive

Shape/Road Grade: Irregular/Generally at grade

Topography: Level

MUNICIPAL DATA

Water/Sewer/Gas: Municipal/Municipal/Natural Zoning: General Business (B-1)

Improvements/Land Use: 9,600± SF building to be razed Highest & Best Use: Commercial development

REMARKS

This property subsequent to the sale was improved with a 64,000± SF two story furniture sales building. In addition to its access from Driving Park Drive, which places it one parcel removed from South Willow Street, there is generally a pass through among these properties located on the west side of South Willow Street that allows free passage without having to access South Willow Street directly. This property is located below the grade of South Willow Street and behind a Wendy's restaurant, but does have some visibility from South Willow Street. The purchaser built a furniture store which is his third furniture store in the southern New Hampshire area.

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COMPARABLE LAND SALE 3

SALE DATA

Location: 1293 Hooksett Road, Hooksett, NH
Grantor: John M. Kelly Revocable Trust of 1993
Grantee: Merrimack County Savings Bank

 Sale Date:
 4/1/2016

 Sale Price:
 \$795,000

 Sale Price Per Acre:
 \$757,143

 Date Recorded:
 4/1/2016

County/Deed Type: Merrimack/Warranty

Book/Page: 3510/1370
Rights Transferred: Fee simple
Conditions of Sale: Arm's length

Financing: Cash
Confirmed By: DEW
Date: 8/1/2016

Source: Grantee/Public Records

PHYSICAL DESCRIPTION

Size: 1.05± acres
Frontage: Hooksett Road

Shape/Road Grade: Irregular/Slightly above grade

Topography: Generally level

MUNICIPAL DATA

Water/Sewer/Gas: Municipal/Municipal/Natural

Zoning: Commercial

Improvements/Land Use: Small auto service building to be razed

Highest & Best Use: Commercial development

REMARKS

This parcel had a couple of older auto service buildings on it that were owned by a used car entity located across Hooksett Road from these. They never really utilized these properties and subsequently sold it to be developed with a branch bank for Merrimack County Savings Bank.

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COMPARABLE LAND SALE 4

SALE DATA

Location: 417 South Broadway, Salem, NH

Grantor: State of New Hampshire

Grantee: South Broadway Development, LLC

 Sale Date:
 12/24/2015

 Sale Price:
 \$3,900,000

 Sale Price Per Acre:
 \$1,387,000

 Date Recorded:
 12/30/2015

County/Deed Type: Rockingham/Quitclaim

Book/Page: 5681/1714
Rights Transferred: Fee simple
Conditions of Sale: Abutter
Financing: Conventional

Confirmed By: AJC

Date: 5/1/2016

Source: Public Records/Appraisal

PHYSICAL DESCRIPTION

Size: 4.898± ac (2.998± usable)
Frontage: 400±' on South Broadway

Shape/Road Grade: Irregular/At grade

Topography: Level

MUNICIPAL DATA

Water/Sewer/Gas: Municipal/Municipal/Natural Zoning: Commercial/Industrial C

Improvements/Land Use: See remarks
Highest & Best Use: Commercial

REMARKS

Reportedly the improvement was constructed in 1965 as a state police barracks. Since the date of construction the building has been expanded and upgraded numerous times over the years. More recently it has been utilized as a liquor store. It is situated on a 4.89± acre lot. There are areas of wetlands. The property was purchased by Rockingham Toyota which is located directly across the street. The grantee intends on utilizing the site and the building for the sale of used cars. It is their intent to utilize the existing improvement in some manner. In order to estimate the contributory value of the building I utilized Marshall Valuation Service Section 13. This indicated a depreciated

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value of the improvements of \$630,000. To that I added \$70,000 for contributory value of existing site improvements. This would indicate a price paid for the land of \$3,200,000.

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CERTIFICATION

The Appraiser certifies and agrees that:

- 1. the statements of fact contained in this report are true and correct.
- the reported analyses, opinions, and conclusions are limited only by the reported assumptions and limiting conditions and are my personal, impartial, and unbiased professional analyses, opinions, and conclusions.
- 3. the Appraiser(s) have no present or prospective interest in the property that is the subject of this report and no personal interest with respect to the parties involved.
- 4. the Appraiser(s) have no bias with respect to the property that is the subject of this report or to the parties involved with this assignment.
- 5. the Appraiser(s) engagement in this assignment was not contingent upon developing or reporting predetermined results.
- 6. the Appraiser(s) compensation for completing this assignment is not contingent upon the development or reporting of a predetermined value or direction in value that favors the cause of the client, the amount of the value opinion, the attainment of a stipulated result, or the occurrence of a subsequent event directly related to the intended use of this appraisal.
- 7. the Appraiser(s) have made a personal inspection of the property that is the subject of this report.
- 8. no one provided significant real property appraisal assistance to the person(s) signing this certification.
- the Appraiser(s) have not performed a previous appraisal of the subject property or provided any other service involving the subject property within the three years prior to this assignment.

- 10. the reported analyses, opinions, and conclusions were developed, and this report has been prepared, in conformity with the Code of Professional Ethics and Standards of Professional Appraisal Practice of the Appraisal Institute and the Uniform Standards of Professional Appraisal Practice (USPAP).
- 11. the use of this report is subject to the requirements of the Appraisal Institute relating to review by its duly authorized representatives.
- 12. Crafts Appraisal Associates, Ltd. concentrates its practice in the appraisal of residential, commercial, industrial, special-purpose and development properties throughout New England. As such, the appraisers are competent to undertake this appraisal assignment, and copies of the qualifications of the appraisers who participated in preparing this appraisal are included in the Addendum of this report.

MARKET VALUE OF THE FEE SIMPLE ESTATE AS OF JULY 13, 2017..... \$925,000

Donald E. Watson Certified General Appraiser

Donald E. Watson

No. NHCG-191

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STATEMENT OF LIMITING CONDITIONS

- All facts and data set forth in this report are true and accurate to the best of the appraiser's knowledge and belief.
- 2. Sketches and maps included in the report are for the purpose of aiding the reader in visualizing the property and are not necessarily drawn to exact scale.
- No land survey has been made by the appraiser and land dimensions given in the report are taken from available public records and the appraiser assumes no responsibility for the accuracy of such land dimensions.
- 4. No investigation of legal fee or title to the property has been made. No consideration has been given to liens or encumbrances against the property except as specifically stated in the report.
- 5. The appraiser assumes that there are no hidden or unapparent conditions of the property, subsoil or structures that would render the property more or less valuable. The appraiser assumes no responsibility for any engineering necessary to uncover such things.
- 6. Possession of this report, or a copy thereof does not carry with it the rights of publication, nor may it be used for any public purpose without the prior written consent of Crafts Appraisal Associates, Ltd.
- 7. The Americans with Disabilities Act (ADA) became effective January 26, 1992. The appraiser has not made a specific compliance survey and analysis of this property to determine whether or not it is in conformity with the various detailed requirements of the ADA. It is possible that a compliance survey of the property together with a detailed analysis of the requirements of the ADA could reveal that the property is not in compliance with one or more of the requirements of the act. If so, this fact could have a negative effect upon the value of the property. Since I have no direct evidence relating to this issue, I did not consider possible noncompliance with the requirements of the ADA in estimating the value of the property.
- 8. The party for whom this report was prepared may distribute copies of this report, in its entirety, to such third parties as may be selected by the party for whom this report was prepared; however, selected portions of this report shall not be given to third parties without prior written consent of the signatories of this report. Further, neither all nor any part of this report shall be disseminated to the general public by the use of advertising media, public relations media, news media, sales media or other media for public communication without the prior written consent of the signatories of this report.
- 9. This report is based on market conditions existing as of the date of the assignment and the appraiser's estimate of future market conditions. The appraiser is not responsible for unforeseeable events that alter market conditions subsequent to the effective date of the opinion.
- 10. The use of this report is subject to the requirements of the Appraisal Institute relating to the Code of Professional Ethics and the Uniform Standards of Professional Appraisal Practice.

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APPRAISER QUALIFICATIONS DONALD E. WATSON CERTIFIED GENERAL APPRAISER NO. NHCG-191

BACKGROUND SUMMARY

With over twenty-nine years in real estate and twenty-two years in the appraisal industry, I have served a wide variety of clients, including municipal and state governments, major universities, lending institutions, nonprofit organizations and investors. I have extensive experience with all property types ranging from unimproved land to subdivisions to improved commercial, industrial and residential properties including complexes and condominiums throughout New Hampshire. My appraisals have been widely used in eminent domain proceedings, estate-planning, financing, divorces, etc.

EDUCATION

NEW HAMPSHIRE COLLEGE, MANCHESTER, NH: Economic & Finance Program

OHIO STATE UNIVERSITY: A.S. Animal Science

HARVARD UNIVERSITY GRADUATE SCHOOL OF DESIGN:

Commercial Real Estate Development & Financing

SOCIETY OF REAL ESTATE APPRAISERS: Course 101, An Introduction to Appraising Real Property

APPRAISAL INSTITUTE:

- Course 1A-1, Real Estate Appraisal Principles
- Course 1A-2, Basic Valuation Procedures
- Course 1B-A, Capitalization Theory & Techniques, Part A
- Course 1B-B, Capitalization Theory & Techniques, Part B
- Course 2-1, Case Studies in Real Estate Valuation
- Course SPP, Standards of Professional Practice, Parts A & B
- Course 530, Advanced Sales Comparison & Cost Approaches
- Report Writing
- Over twenty (20) one and two day seminars

REALTORS' NATIONAL MARKETING INSTITUTE:

- Course CI 101, Fundamentals of R.E. Investment & Taxation
- Course CI 102, Fundamentals of Location & Market Analysis
- Course CI- 103, Advanced R.E. Taxation & Marketing Tools for Investment Real Estate

PROFESSIONAL DESIGNATIONS AND AFFILIATIONS

EXPERT WITNESS: New Hampshire Land and Tax Court

Federal Bankruptcy Court Federal District Court

New Hampshire Superior Court

CERTIFIED GENERAL APPRAISER: State of New Hampshire

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PARTIAL LIST OF CLIENTS SERVED AND PROPERTIES APPRAISED BY CRAFTS APPRAISAL ASSOCIATES, LTD.

NATIONAL & LOCAL CORPORATIONS

Anagnost Companies Anheuser Busch Company Audley Construction Company

Autodesk, Inc. B&M Railroad

Bentley Pharmaceutical
Brookstone Company
Burger King Corp.
Cabinet Press
Cendant Mobility
Circuit City Stores, Inc.
Cities Services, Inc.
CLD Consulting Engineers
Coca Cola Bottling Company
Coldwell Banker Relocation Corp.

Creative Capital Leasing Crotched Mountain Properties

Dexter Shoes Dunkin' Donuts Eastpoint Properties ECCO USA, Inc. Executive Relocation

Freudenberg – North America GMAC Relocation Services

Gulf Oil Corp. H&R Block

Henry Hanger Company Honey Dew Donuts Howe, Riley & Howe, PC

Hubbard, LLC

Hunneman Real Estate Infantine Insurance Corp. Ingersol-Rand Co.

International Automotive Management

J.A. Wright & Company John B. Sullivan Corp.

John G. Burk & Associates, CPA JP Chemical Company, Inc. LaCrosse Footwear, Inc. Lahey Hitchcock Clinic Landa & Altsher, PC Long & Foster Relocation Mast Road Grain & Lumber

McDonald's Corp. Midas Muffler Mobil Oil Corp.

National Gypsum Corp. New England Circuits, Inc.

Northern Telecom

Old Dutch Mustard Company, Inc.

OSRM Sylvania

Patsy's

Peterbilt Corp. Pizza Hut

Primacy Relocation Prudential Relocation

Public Service Company of NH

Rite-Aid

St. Johnsbury Trucking Company, Inc. Saint-Gobain Performance Plastics

STARS Relocation

State Street Development Corp. Stewart Title Insurance Co. Stoneyfield Farm Yogurt, Inc.

Tamposi Company

Texaco

Two Guys Smoke Shop TransUnion Settlement Solution

Union Leader Corp.

UPS Commercial Underwriters

Velcro USA, Inc.

Verizon

Waterford Development Weichert Relocation Services

Worldwide Relocation Management, Inc.

SPECIAL PURPOSE PROPERTIES & NONPROFIT ORGANIZATIONS

Abenaqui Country Club American Red Cross

Assumption Greek Orthodox Church

Boston Minuteman Council Boys & Girls Club of America Bretton Woods Resort Calvary Bible Church

Concord Indoor Tennis & Racquetball Club

Concord Lincoln-Mercury
Consumers Water Company

Dartmouth College

Ear Nose & Throat Physicians & Surgery PA

Easter Seals Society
Executive Health Club
Faith Christian Center
First Church of the Nazarene
Girl Scouts of Swift Water Council
Girl Scouts of Spar and Spindle Council

Good Shepherd School, Inc. Green Meadow Golf Course, Inc. Hampshire Hills Racquet & Health Club Hickory Hill Golf Course, Inc.

Hillsboro Ford

International Brotherhood of Teamsters

Jack O'Lantern Resort

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PARTIAL LIST OF CLIENTS SERVED continued

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SPECIAL PURPOSE PROPERTIES & NON-PROFIT ORGANIZATIONS – CONTINUED

Manchester Children's Home Manchester Community Health Center Manchester Mental Health Center Mount St. Mary's College Mountain Club on Loon, The New Hampshire Children's Aid Society Portsmouth Regional Hospital Rockefeller Estate Serenity Place Shriner's Hospitals for Children Sky Meadow Development Southern NH University Summit at Four Seasons - Time Share Talarico Automobile Dealerships University of New Hampshire (UNH) Visiting Nurses Association Wentworth-Douglas Hospital YMCA Camp Belknap

FEDERAL, STATE & LOCAL MUNICIPALITIES

City of Concord, NH City of Berlin, NH City of Dover, NH City of Franklin, NH City of Manchester, NH City of Nashua, NH Federal Aviation Administration Greater Nashua Housing & Dev. Corp. Keene Housing Authority Laconia Airport Authority Manchester Airport Authority Manchester Highway Department Manchester Housing Authority Manchester Water Works NH Housing Finance Authority NH Dept. of Transportation Salem Housing Authority State of New Hampshire State of Vermont Town of Bedford, NH Town of Brattleboro, VT Town of Candia, NH Town of Hampton, NH Town of Hollis, NH Town of Londonderry, NH Town of Merrimack, NH Town of Newmarket, NH Town of North Andover, MA Town of Pelham, NH

Town of Salem, NH

Town of Seabrook, NH
Town of Stratham, NH
U.S. Dept. of Transportation
U.S. Environmental Protection Agency
U.S. Postal Service
Veterans' Administration

CONSERVATION ORGANIZATIONS

Bedford Conservation Commission
Bedford Land Trust
Derry Conservation Commission
Derry Preservation Initiative
Dover Conservation Commission
Hollis Conservation Commission
Land Conservation Investment Program
Moose Mountain Regional Greenways
Mount Vernon Conservation Commission
Nature Conservancy
New Hampshire Audubon Society
North Hampton Forever
Society for the Protection of NH Forests
Stratham Conservation Commission
Temple Conservation Commission

LENDING & RELATED INSTITUTIONS

Bank of America TD BankNorth Beacon Federal Berkshire Mortgage Finance Berlin City Bank Boston Federal Savings Bank Cambridge Savings Bank Centrix Bank & Trust Co. Chittenden Bank Citicorp Mortgage, Inc. Community Bank & Trust Co. Danversbank Digital Federal Credit Union E-Bid Mortgage EastWest Mortgage Eastern Bank Enterprise Bank & Trust Co. Federal Home Loan Mortgage Corp. Federal National Mtg. Association First Colebrook Bank First Commercial Bank of Chicago Flagship Bank Ford Motor Credit Corp GMAC Mortgage Corp.

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PARTIAL LIST OF CLIENTS SERVED continued

<u>Lending & Related Institutions</u> - continued

H&R Block Mortgage Corp. Haverhill Cooperative Bank John Hancock Mutual Ins. Company Laconia Savings Bank Lake Sunapee Bank Ledyard National Bank Marco Community Bank Mercantile Bank & Trust Co. Merrimack County Savings Bank Money Tree Mortgage New England Federal Credit Union Ocean National Bank Passumptic Savings Bank Salem Five Cents Savings Bank St. Mary's Bank Savings Bank of Walpole Southern NH Bank & Trust Co. Sovereign Bank Telephone Credit Union of NH Toyota Motor Credit Corp. Traveler's Insurance Co. Triangle Credit Union Wachovia Mortgage Western Federal Credit Union Winchester Cooperative Bank

Hamblett & Kerrigan Hebert & Uchida, PLLC Hodes, Buckley, McGrath & LeFevre, PA Lotter & Bailin, PC Mazerolle & Frasca, PA McDonald & Kanyuk, PLLC McLane, Graf, Raulerson & Middleton, PA McNeil & Taylor, PA Nadeau Law Offices Orr & Reno, PA Ransmeier & Spellman, P.C. Riley & Fay, PLLC Routhier, Donald Law Offices Sarrouf, Tarricone & Flemming Sheehan Phinney Bass & Green, PA Stark, Rodney L., PA Sullivan & Gregg, PA Sulloway & Hollis, PA Tardif, Śhapiro & Cassidy, PA Upton & Hatfield, LLP Vittek Law Offices Wadleigh, Starr & Peters, PLLC Wiggin & Nourie, PA Winer & Bennett, LLP Wrigley, Weeks & Martin, PC

LEGAL REPRESENTATIVES

Abramson, Baillinson & O'Leary Backus, Mever & Solomon & Rood Barradale, O'Connell, Newkirk & Dwyer, PA Beaumont & Campbell, PA Bernstein, Shur, Sawyer & Nelson, PA Borofsky, Lewis & Amodeo-Vickery, PA Bouchard Kleinman & Wright, PA Boutin & Associates, PLLC Boynton, Waldron, Doleac, Woodman & Scott, PA Bradley, Burnett & Kinyon, PA Bragdon, Berson, Davis & Klein Cassassa & Ryan Attorneys at Law Cleveland, Waters & Bass, PA Cocheco Elder Law Associates Cronin & Bisson, PC Curtin Law Office D'Amante, Couser, Steiner, Pellerin, PA Devine, Millimet & Branch, PA DiMento & Sullivan, PA **Duddy Law Offices** Finis E. Williams, III Law Firm Greene & Perlow, PA Hall, Morse, Anderson, Miller & Spinelli

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BUSINESS

CASE

PROJECT TITLE Rockingham Substation

PROJECT SPONSOR: Charles Rodrigues
PROJECT MANAGER: Anthony Strabone

DATE: 02-16-18 PROJECT ID 8830-1864

BUSINESS PLAN NUMBER: (Assigned by Corporate Finance)

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Business Case

RECOMMENDATION:

 Construct a new 115-13.2 kV Substation with eight (8) feeder positions at Tuscan Village.

OBJECTIVE(S)

 Perform site and civil detailed design engineering for a new 115-13.2kV Substation (Rockingham Substation) at Tuscan Village.

BACKGROUND

- Construction of the a new 115-13.2 kV Substation is part of the recommended plan in the Salem Area Study perform by Control Point Technologies in 2017, with input and acceptance by Liberty Utilities.
- The Salem Area will experience more than expected load growth over the next few years due to the recent purchase of the Rockingham Race Track. The developer, known as Tuscan Village, plans to redevelop this land which will result in an increase of Liberty's Salem Area Load by 13 MW.
- The supply and distribution system serving the Salem service territory is expected
 to be loaded beyond the capability of the equipment to reliably serve the load
 under LU planning and loading criteria during contingent system configurations.
- To mitigate these risks, along with other capital invests in the Salem Area, the
 plan recommends that Liberty Constructs a new 115-13.2 KV Substation. This
 new substation will be served by two (2) new 115 kV Transmission lines
 originating at Liberty's Golden Rock Substation.

ALTERNATIVES/OPTIONS

 Other alternatives were considered and can be reviewed in Salem Area Study Report.

FINANCIAL ASSESSMENT

• Initial estimate is \$\(\cappa\) coperform detailed civil and site engineering/design work for the installation of this station. Once detailed engineering is complete, the estimated cost of this project will be revised.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

None

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IMPLEMENTATION/ACTION PLAN

Engineering to be performed in 2018. Construction will take place under an individual job number in future years.

REVIEWED BY:

PROJECT MANAGER:

DIRECTOR/VP:

Anthony Strabone
CHARLES A. RODRIGGES

FINANCE:

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LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

	Capital / Granite State Electric Co.	HOME OFFICE REF #: 8830-1864
PROJECT TITLE:	Electric Vehicle Charging Stations	EXPECTED PROJECT TOTAL: \$ 100,000
PROJECT TYPE (circle one):	System Maint / System Project / Growth / LXA	
PROJECT START DATE:	1/1/2018	PROJECT END DATE: 12/31/2018
CURRENT UTILITY EARNINGS STATUS:		JOB COST/FWO #;
Type of Capital Project:		
☐ Growth ☐ Improvement Upgrades ■ Infrastructure Replaceme	nt	
IS THIS PROJECT GROWTH REI WHERE GROWTH WILL OCCUF Yes. Due to the recent purch	.2 kV Substation with eight (8 .ATED? IF "YES", DESCRIBE THE SPECT (CONSULT WITH DEVELOPMENT SER lase of the Rockingham Race Track.	
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Construct a new 115-13 IS THIS PROJECT GROWTH REI WHERE GROWTH WILL OCCUP Yes. Due to the recent purch which is expected to increase PERMITTING REQUIREMENTS, WITH OBTAINING APPROPRIAT Yes. Permitting with the Tov COST ESTIMATE FOR TOTAL P TIMING OF SPENDING BY QUA	.2 kV Substation with eight (8 .ATED? IF "YES", DESCRIBE THE SPECE (CONSULT WITH DEVELOPMENT SER LASE of the Rockingham Race Track, of the Salem Area load by 13 MW INCLUDING POTENTIAL IMPACT ON EFFERMITS FOR PROJECT, with of Salem will be required ROJECT, NATURE OF ESTIMATE (FIRM RITER, AND RISKS ASSOCIATED WITH	EIFIC LOCATION (MAP) AND LIST APPLICABLE DEVELOPERS VICES REGARDING FUNDING). the develop plans to repurpose this land (Tuscan Village) XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED).

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Business Case

CATEGORY & STATUS OF PROJ	ECT	FINANCIA	L SUMMARY			
(tick as appropriate)		NEXT AN	TICIPATED TEST YEAR	2018		
		Rate Recov	very (over 18 months)	No. 10		
				X	100	
afety		Will this, and other approved projects, cause a rate shock		No	If yes, is customer affordability an issue?	
Mandated Impending Regulatory Obligation						
Rate Recovery-Immediate Return		Have Health & Safety implications been considered? Has Environmental Compliance review been done?		Yes		
Rate Recovery (3 to 6 months)						
Rate Recovery (6 to 12 months)		The second	Services review been done?			
Rate Recovery (12 to 18 months)						
Was this Capital Expenditure includ in the Annual Budget?	ed No	What amou	What amount was budgeted? \$0			
ANALYSIS OF PROJECT VALU	E	CAPITAL	EXPENDITURE BUDGET	UTILIZATION		
Design/Engineering				Authorized	To be spent in:	
Material				Amount	Current Year	Future
External contractor costs Internal costs Other costs (contingency)		(A) Capital budget (B) Over (under) run vs. Budget		\$100,00	\$ 100,000	Years
				# 100,CC	100,000	
Working capital requirements		The state of the s	Total Estimated Project Cost			
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	pproved Spend to Date			
			iture Approval Requests			
Project Total Cost	\$ 100,000	(F) (C-D-E) Approval Amount Requested (current application)		100,000	\$100,000	
	Name		AT\ SIdmatuse	Date		
Requesting Party	Anthony Strabone		And the Court	2/2	7/18	
Director of Engineering	Charles Rodrigues		The state of the s	2/2	119	
	Craig Jennings		Cuy XIIIsti	3/0	de	
President – LU East	Susan Fleck		0000	1 1 2 2 2 2	3	
CFO						
V CFO CEO						

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BUSINESS

CASE

PROJECT TITLE Rockingham Substation- Transmission Lines

PROJECT SPONSOR: Charles Rodrigues
PROJECT MANAGER: Anthony Strabone

DATE: 02-16-18 PROJECT ID 8830-1865

Business Plan Number: (Assigned by Corporate Finance)

Docket No. DE 19-064 Attachment Staff TS 1-13.c Page 7 of 21

Business Case

RECOMMENDATION:

Construct two (2) 115 kV Transmission lines from Golden Rock Substation to Rockingham Substation.

OBJECTIVE(S)

Perform Site, Environmental and line design of two (2) 115 kV Transmission Lines from Golden Rock Substation to Rockingham Substation.

BACKGROUND

- Construction of the Transmission lines are part of the recommended plan in the Salem Area Study perform by Control Point Technologies 2017, with input and acceptance by Liberty Utilities.
- The Salem Area will experience more than expected load growth over the next few years due to the recent purchase of the Rockingham Race Track. The developer, known as Tuscan Village, plans to redevelop this land which will result in an increase of Liberty's Salem Area Load by 13 MW.
- The supply and distribution system serving the Salem service territory is expected to be loaded beyond the capability of the equipment to reliably serve the load under LU planning and loading criteria during contingent system configurations.
- To mitigate these risks, along with other capital invests in the Salem Area, the plan recommends that Liberty Constructs a new 115-13.2 KV Substation. This new substation will be served by two (2) new 115 kV Transmission lines originating at Liberty's Golden Rock Substation.

ALTERNATIVES/OPTIONS

Other alternatives were considered and can be reviewed in Salem Area Study Report.

FINANCIAL ASSESSMENT

Initial estimate is \$ 100 perform detailed engineering/design for the installation of the Transmission Lines. Once detailed engineering is complete, the estimated cost of this project will be revised.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

None

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IMPLEMENTATION/ACTION PLAN

Engineering to be performed in 2018. Construction will take place under an individual job number in future years.

REVIEWED BY:

PROJECT MANAGER: Anthon

Anthony Strabone

DIRECTOR/VP:

CHARLES A. RODRIGUES

FINANCE:

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LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY: Capital / Grani	te State Electric Co. HOME OFFICE REF #: 8830-1865
PROJECT TITLE: Electric Vehicle	le Charging Stations EXPECTED PROJECT TOTAL: \$ 500
PROJECT TYPE (circle System Maintone): / Growth / 1	t / System Project
PROJECT START DATE: 1/1/2018	PROJECT END DATE: 12/31/2018
CURRENT UTILITY EARNINGS STATUS:	JOB COST/FWO #;
Type of Capital Project:	
☐ Growth ☐ Improvement Upgrades ☐ Infrastructure Replacement	
Substation IS THIS PROJECT GROWTH RELATED? IF "YES" WHERE GROWTH WILL OCCUR (CONSULT WITH	on lines from Golden Rock Substation to Rockingham Describe the specific location (MAP) and list applicable developers the development services regarding funding). Singham Race Track, the develop plans to repurpose this land (Tuscan Village)
which is expected to increase the Salem Area	
PERMITTING REQUIREMENTS, INCLUDING POT WITH OBTAINING APPROPRIATE PERMITS FOR Permitting will be needed from the Town of	
TIMING OF SPENDING BY QUARTER. AND RISKS	E OF ESTIMATE (FIRM FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED), S ASSOCIATED WITH COST ESTIMATES. ring is complete, the estimate cost of this project will be revised.
WILL THERE BE ASSETS GREATER THAN \$5,000 Asset Removal will be calculated on a job sp	THAT ARE CURRENTLY IN SERVICE REMOVED AS A RESULT OF THIS PROJECT? pecific basis.
IF YES, PLEASE DETAIL THE SPECIFIC ASSETS T 1. Original Cost of Plant to be removed (if kno 2. What is the replacement cost of the plant bei 3. Original Work Order of Plant to be removed 4. Is the Plant being removed reusable? No 5. What is the year of original installation of the	own): Not Known ing removed (if original cost not known)? Not known I (if known); Not known

Page 4 of 6

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Business Case

CATEGORY & STATUS OF PRO.	JECT	FINANCIA	L SUMMARY			
(tick as appropriate)		NEXT AN	MENT ANTIQUDATED TEST VEAR			
(version of Property)				2018		
		Rate Recovery (over 18 months)		X		
Safety		Will this, and other approved projects, cause a rate shock		No	If yes, is customer affordability an issue?	
Mandated Impending Regulatory Obligation						
Rate Recovery-Immediate Return		Have Healt been consid	h & Safety implications lered?	Yes		
Rate Recovery (3 to 6 months)		Has Enviro review beer	nmental Compliance	10		
Rate Recovery (6 to 12 months)			dervices review been done?			
Rate Recovery (12 to 18 months)		11113 14411 3				
2 2 2 3 5 6 4 6 6 6 6 6						
Was this Capital Expenditure include in the Annual Budget?	led No	What amou	int was budgeted? \$0			
ANALYSIS OF PROJECT VALU	JE	CAPITAL	EXPENDITURE BUDGET I	UTILIZATION		
Design/Engineering		Authorized To be spent in:				
Material				Amount	Current	Future
External contractor costs				640	Year	Years
Internal costs		- 12 T 6 70 L 1. T 2	(A) Capital budget		11 (15 (1))	
Other costs (contingency) Working capital requirements		(B) Over (under) run vs. Budget (C) (A+B) Total Estimated Project Cost		-		-
working capital requirements			pproved Spend to Date			-
			iture Approval Requests			
Project Total Cost	1 10) Approval Amount			
rioject rotal cost	4	Requested	(current application)			
	Name		Signature	Date	,	
Requesting Party	Anthony Strabone		Miller Hander	ala	7/18	
Director of Engineering	Charles Rodrigues		a Caronina	3/2	119	
VP of Operations	Craig Jennings		Win Xulle O	3/0	des	
President – LU East	Susan Fleck		0	C		
	Tisha Sanderson				1,101	
77. 20-1-10-10-10-10-10-10-10-10-10-10-10-10-						
CFO						
VP of Finance CFO CEO						

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BUSINESS

CASE

PROJECT TITLE Replace Lyme Rd P3 Recloser

PROJECT SPONSOR: Charles Rodrigues
PROJECT LEAD: Anthony Strabone

DATE: 2/14/18 PROJECT ID 8830-1863

Business Plan Number: (Assigned by Corporate Finance)

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RECOMMENDATION:

- Replace existing Cooper oil filled recloser at P3 Lyme Rd with new Viper-S recloser due to damage. Install new bypass disconnect.
- This project is estimated at \$\(\mu\mathcal{D}\)\(\mu\mathcal{O}\) which includes contingency and appropriate round off.

OBJECTIVE(S)

Replace existing damaged recloser at P3 Lyme Rd Hanover due to damage.

BACKGROUND

- Costs associated with this project are to resolve damage to existing breaker unit.
- Existing recloser has experienced a flash which was identified as part of the inspection and maintenance program.

ALTERNATIVES/OPTIONS

None

FINANCIAL ASSESSMENT

 This project estimate is based on design and estimate for previous similar projects.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

None

IMPLEMENTATION/ACTION PLAN

• The construction will take place under an individual job number throughout 2018.

REVIEWED BY:

PROJECT MANAGER:

Anthony Strabone

DIRECTOR/VP:

CHARLES A. ROORIGUES

FINANCE:

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LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

Capital / Granite State Electric Co.	HOME OFFICE REF # 8830-1863
PROJECT TITLE: Replace Lyme Rd P3 Recloser	EXPECTED PROJECT TOTAL: \$ (00,000
PROJECT TYPE (circle one): System Maint / System Project / Growth_/ LXA	
PROJECT START DATE: 2/1/18	PROJECT END DATE: 12/31/18
CURRENT UTILITY EARNINGS STATUS:	JOB COST/FWO #:
☐ Growth ■ Improvement Upgrades ☐ Infrastructure Replacement	
PROJECT DESCRIPTION & LOCATION: Replace existing recloser at P3 Lyme Rd due to damage.	
IS THIS PROJECT GROWTH RELATED? IF "YES", DESCRIBE THE SPEC	
IS THIS PROJECT GROWTH RELATED? IF "YES", DESCRIBE THE SPEC WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOPMENT SER N/A	VICES REGARDING FÚNDING).
IS THIS PROJECT GROWTH RELATED? IF "YES", DESCRIBE THE SPEC WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOPMENT SER	VICES REGARDING FÚNDING).
IS THIS PROJECT GROWTH RELATED? IF "YES", DESCRIBE THE SPEC WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOPMENT SER N/A PERMITTING REQUIREMENTS, INCLUDING POTENTIAL IMPACT ON E WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT.	VICES REGARDING FUNDING). XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED).

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PROPOSED SOURCE OF FUNDS (C 2018 Capital Budget	COMPANY, DEVI	ELOPER LX/	A, HUF, ETC.)				
CATEGORY & STATUS OF PROJE	CT	FINANCIA	L SUMMARY				
(tick as appropriate)		NEXT AN	FICIPATED TEST YEAR	2018			
		Rate Recovery (over 18 months)					
		Kate Kecov	cry (over 18 months)	X			
Safety		Will this, as	nd other approved projects, shock	No	If yes, is cus affordability	is customer ability an issue?	
Mandated	1						
mpending Regulatory Obligation	1						
Rate Recovery-Immediate Return		Have Healt been consid	h & Safety implications lered?	Yes			
Rate Recovery (3 to 6 months)		Has Enviro	nmental Compliance	No			
Rate Recovery (6 to 12 months)		review been	or done? ervices review been done?	100.			
Rate Recovery (12 to 18 months)		Tias Teen a	strices ferior been dolle:				
	I No	1					
Was this Capital Expenditure included in the Annual Budget?	What amount was budgeted? 0						
ANALYSIS OF PROJECT VALUE		CAPITAL	EXPENDITURE BUDGET	Althorac Sala Are.			
Design/Engineering		Authorized		To be spent in:			
Material				Amount	Current Year	Future Years	
External contractor costs Internal costs	1	(A) Capital budget (B) Over (under) run vs. Budget		\$100,000	\$ 100,000	1 cars	
Other costs (contingency)				1,,	4,00,000		
Working capital requirements		(C) (A+B)	Total Estimated Project Cost				
			pproved Spend to Date				
			ture Approval Requests				
Project Total Cost	2.100,000	(F) (C-D-E) Approval Amount Requested (current application)		\$ 100,000	5 100,000		
	Name		ad Sidesture	Date			
Description Double	nthony Strabone		Way The care	01.	22/18		
7.5.4	harles Rodrigues		- July march	2/2	110		
	Craig Jennings		Chief VILLET	á	6/13		
	usan Fleck		100				
	l.						
E-							
CFO CEO							

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Change Order Form

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			Project Overvie	w			
Reason for Change:							
Project ID:	8830-18	64		Project Name:		Rockingham Substation	
Change Order Name: Rockingham Substation			Date Pr	epared:	03/19/19	9	
Change Order #:	1			Financi (FWO):	al Work Order	301864-	-03001
Project Sponsor:	Charles	Rodrigues		Revised	Start Date:	01/01/18	8
Project Lead:	Anthony	Strabone		Revised	End Date:	12/31/18	8
Prepared By:	Anthony	Strabone		Change	Type ⁱⁱⁱ	⊠ In Sc	ope Out of Scope
Project Contingency Available?	⊠ Yes	□ No			Selected, Please source of		•
(1	Double clie	Financial A ck embedded excel file to	Assessment/Cos o update; include	t Estima continge	tes ency allowance în	excel file)	
Category		Original Project Value	Previous App Change		Current Char Order Amou		Total
Internal Labor (including and travel)	ing labor						
Materials (including consumables)							
Equipment (rental equ	ipment)						
Contractor/Subcontrac (including consultants)							
Total		100,000.00			1,468,8	69.97	1,568,869.97
Updated Unlevered Int Rate of Return: Basis of Current Chang Order Amount:		Actual project costs for \$1.5M, was transferred					
	(As a re	Sult of the Change Order	chedule Impact , where applicab	s le, List th	ne Impacts to sche	dule)	
Baseline Schedule (BL)			New Forecas	st (NF)		riance (Bl	L – NF)
N/A			N/A		N/A	A	

LUCo Change Order Form Page 1 Rev. 00



Change Order Form

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Approvals and Signatures'

		Appr	oved By:	
Role	Approval Authority Limit	Name	Signature	Date
Manager / Staff (requisitioner/buyer):	Up to \$25,000	Anthony Strabone	Miller Halere	3/28/19
Senior Manager: :	Up to \$50,000		U	
Senior Director/Director:	Up to \$250,000	Charles Rodrigues Director, Engineering	Calodremio	3/31/19
State President / Senior VP / VP:	Up to \$500,000	t i		II m
State President / Senior VP / VP:	Up to \$500,000	Susan Fleck President - LU NH		3/31/19
Regional President:	Up to \$3,000,000	James Sweeney President - East Region	Ampfor	3/31/19
Corporate - Sr VP Operations:	Up to \$5,000,000)0	
Corporate - Exec Team Member (CEO, CFO, COO, Vice Chair):	Over \$5,000,000			

¹ The Financial Work Order Section captures the work order this change falls under when the job was initially set-up

LUCo Change Order Form Page 2 Rev. 00

[&]quot;The Revised project end date is dependent on changes in scope that may deviate the schedule from the original plan

iii The Change type for In scope or Out of scope changes fall within the following scenario:

In Scope changes are deviations of scope from the original plan and approved budget that align to the original scope of the project but have revised pricing as a result of changes in pricing of labour, materials, and equipment

Out of Scope changes are scope changes that were not originally planned for in the project baselines and approved budget. Examples
of this type of change are related to changes in technology, missed deliverables, a change in the project design altering the scope of the
project, etc.

project, etc.

** In cases where the project no longer has contingency to cover project change orders, please specify any other sources of funds that would address the project variance (i.e. not executing another project, delaying scope of another project, etc)

Approvals for work orders and purchase orders are subject to the limits set forth in the Approval Limits of Authority Policy owned and amended from time to time by the corporate procurement group.

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Project Close Out Report

2018

Requesting Region or Group:	Granite State Electric Co.	Date of Closcout (MM/DD/YY):	03/19/19
Project Name:	Rockingham Substation	(managarity).	
Project ID #:	8830-1864	Requesting Region:	East Region
Project Lead:	Anthony Strabone	Project Sponsor:	Charles Rodrigues
Project Status:	□In Service □Complete	Closed	
Project Start Date:	01/01/18	Project Completion Date:	12/31/18
Requested Capital (\$)	\$1,568,869.97	Expenditure Included in Approved Budget?	⊠Yes □No

Section 1. Approval

Approval of the Project Closeout and Assessment Report indicates an understanding and formal agreement that the project is ready to be closed. By signing this document, each individual agrees all administrative, financial, and logistical aspects of the project should be concluded, executed, and documented as described herein.

Further, by signing this Report, it is accepted that CWIP (FERC Account 107) should be transferred to Utility in Plant Service (FERC Account 101)

Approver Name	Title	Signature	Date
Anthony Strabone	Manager, Electric Engineering	Lillian Stratures	3/27/19
Charles Rodrigues	Director, Engineering	Carolinas	3/31/19
Richard MacDonald	Vice President, Operations	Meled He Sull	3/29/19
Peter Dawes	Vice President, Finance & Administration	1	3/201

Section 2. Final Deliverable/Deployment Checklist

Sponsor to respond to each question. For each "no" response, include an issue in Open Issues section.

Item	Question	Response
2.1	Do you agree that the product and/or service is ready to be deployed?	Yes ⊠ No □
2.2	Do you agree the product and/or service has sufficiently met the stated business goals and objectives?	Yes ⊠ No □
2.3	Do you fully understand and agree to accept all operational requirements, operational risks, maintenance costs, and other limitations and/or constraints imposed as a result of ongoing operations of the product and/or service?	Yes ⊠ No □
2.4	Has the final unitization estimate been provided to Property Accounting?	Yes ⊠ No □

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Project Close Out Report

2018

Item	Question	Response
2.5	Do you agree the project should be closed? If no, please explain:	Yes ⊠ No □
	Rate your level of satisfaction with regards to the project outcomes listed below	
2.5	Project Quality	3/5
2.6	Product and/or Service Performance	3/5
2.7	Scope	3/5
2.8	Cost (Budget)	3/5
2.9	Schedule	3/5

Section 3. Project Documentation Checklist

Project Manager Respond to each question. For each "no" response, include an issue in Open Issues section.

Item	Question		Response				
3.1	Have project documentation and other ite Budget Documents, Status Reports) been	Have project documentation and other items (e.g., Business Case, Project Plan, Charter, Budget Documents, Status Reports) been prepared, collected, filed, and/or disposed?					
3.3i		completed and results documented for future	Yes ⊠ No □				
3.4	Identify the storage location for the follow	ving project documents items:					
Item	Document	Location (e.g., Google Docs, Webspace)	Format				
3.4a	Business Case	W:\Public\Engineering\2018 Preliminary Business Cases Electric	Electronic Manual				
3.4b	If available, the Final Project Schedule		Electronic Manual				
3.4c	Budget Documentation and Invoices		Electronic Manual				
3.4d	Status Reports		☐ Electronic ☐ Manual				
3.4e	Risks and Issues Log		☐ Electronic ☐ Manual				
3.4f	Final deliverable		☐ Electronic ☐ Manual				
3.4g	If applicable, verify that final project delivin 3.4.	erable for the project is attached or storage local	tion is identified				

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Project Close Out Report

2018

Section 4. Project Team ii

Project Manager to list resources specified in the Project Plan and used by the project.

Name	Role	Type (e.g., Contractor, Employee)
Anthony Strabone	Manager, Engineering	Employee
VHB	Engineering	Contractor
TRC	Engineering	Contractor

Section 5. Project Lessons Learned

Project Team to identify lessons learned specifically for the project. State the lessons learned in terms of a problem (issue). If available please include a Lesson Learned Log in the attached. Please summarize the top three issues on the project and the recommended improvements to correct a similar problem in the future.

Problem Statement	Problem Description	References	Recommendation
N/A	N/A	N/A	N/A
	11/1		

Section 7. Open Issues

Issue	Planned Resolution
N/A	N/A

Project Manager and Functional Lead to describe any open issues and plans for resolution within the context of project closeout. Include an open issue for any "no" responses in the Final Product and/or Service Acceptance Checklist and the Project Artifacts Checklist sections.

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Project Close Out Report

2018

Section 8. Project Cost Summary

Project Manager and Functional Lead to provide details for the following tables.

Cost Category	1- Budget	2- Actual	3 = 1 -2 Variance
Cost of Design &			J 1 - W Vallance
Engineering (\$)			
Cost of Materials (\$)			
Cost of Construction (\$)			
External Costs (\$)			
Internal Costs (\$)			
Other (\$)			
AFUDC (\$)			
Total Project Costs (\$)	\$1,568,869.97	\$1,568,869.97	\$ 0.00

Reasons for Variance	Impact	
No variance between actual costs and budget	\$ 0	
Cause 2	s	
Cause 3	s	

Project Manager to list of all work orders associated with project that should be closed once Close Out Report is accepted.

LABs)	(Regional, Corporate,
301864-03001	
301864-03002	

¹ This section assumes an accounting audit has been completed ensuring all outstanding payments have been reconciled to the project

ii For Section 4 in filling out the Project Team Section, for those projects following the materiality limit set forth in the work order approval limits greater than \$5M please complete this section, all other projects do not require this.



3 MIDDLE ST

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Location 3 MIDDLE ST Mblu 89/ / 10115/ /

Acct# Owner GRANITE STATE ELECTRIC

CO

Assessment \$107,300 Appraisal \$107,300

PID 6515 Building Count 1

Current Value

Appraisal					
Valuation Year Improvements Land Total					
2019	\$0	\$107,300	\$107,300		
Assessment					
Valuation Year	Improvements	Land	Total		
2019	\$0	\$107,300	\$107,300		

Owner of Record

Owner GRANITE STATE ELECTRIC CO

Co-Owner LIBERTY UTILITIES

Address ATTN ACCOUNTS PAYABLE DEPT

15 BUTTRICK RD

LONDONDERRY, NH 03053-3305

Sale Price \$0 Certificate Book & Page Sale Date

Ownership History

Ownership History				
Owner Sale Price Certificate Book & Page Sale Date				
GRANITE STATE ELECTRIC CO	\$0			

Building Information

Building 1 : Section 1

Year Built:

Living Area: 0
Replacement Cost: \$0

Replacement Cost

Less Depreciation: \$0

Building Attributes			
Field Description			
Style	Vacant Land		

Attachment JED-3c

Docket No. DE 19-064

Building Photo

Docket No. DE 19-064 Attachment Staff TS 1-13.g

No Image
Available

(http://images.vgsi.com/photos/SalemNHPhotos//default.jpg)

Building Layout

(http://images.vgsi.com/photos/SalemNHPhotos//Sketches/6515

Building Sub-Areas (sq ft)	<u>Legend</u>
No Data for Building Sub-Areas	

Extra Features

Model

Stories:
Occupancy
Exterior Wall 1

Exterior Wall 2
Roof Structure:
Roof Cover
Interior Wall 1
Interior Wall 2
Interior Flr 1
Interior Flr 2

Heat Fuel

Heat Type:

Total Bedrooms:
Total Bthrms:
Total Half Baths:
Total Xtra Fixtrs:
Total Rooms:
Bath Style:
Kitchen Style:
Loc_Adj

Extra Features	<u>Legend</u>
No Data for Extra Features	

Land

Land Use		Land Line Valuation	
Use Code	4240	Size (Acres)	0.44
Description	ELECSUBSTA	Frontage	0
Zone	RUR	Depth	0
Neighborhood	300	Assessed Value	\$107,300
Alt Land Appr	No	Appraised Value	\$107,300
Category			

Outbuildings

Outbuildings	<u>Legend</u>
--------------	---------------

No Data for Outbuildings

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Valuation History

Appraisal									
Valuation Year	Improvements	Land	Total						
2018	\$0	\$107,300	\$107,300						
2017	\$0	\$107,300	\$107,300						
2016	\$0	\$107,300	\$107,300						

Assessment									
Valuation Year	Improvements	Land	Total						
2018	\$0	\$107,300	\$107,300						
2017	\$0	\$107,300	\$107,300						
2016	\$0	\$107,300	\$107,300						

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5 CENTRAL ST

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Location 5 CENTRAL ST **Mblu** 89/ / 1099/ /

GRANITE STATE ELECTRIC Acct# Owner

COMPANY

Assessment \$82,700 Appraisal \$82,700

> **Building Count** 1 **PID** 6369

Current Value

Appraisal									
Valuation Year Improvements Land Total									
2019	\$82,700	\$82,700							
	Assessment								
Valuation Year	Improvements	Land	Total						
2019	\$0	\$82,700	\$82,700						

Certificate

Owner of Record

Sale Price Owner GRANITE STATE ELECTRIC COMPANY \$117,500

Co-Owner LIBERTY UTILITIES

Address ATTN ACCOUNTS PAYABLE DEPT **Book & Page** 3180/1296 15 BUTTRICK RD Sale Date 09/24/1996

LONDONDERRY, NH 03053-3305 00

Instrument

Ownership History

Ownership History									
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date				
GRANITE STATE ELECTRIC COMPANY	\$117,500		3180/1296	00	09/24/1996				
	\$0		2856/0254		03/28/1990				

Building Information

Building 1: Section 1

Year Built:

Living Area: 0 Replacement Cost: \$0

Replacement Cost

Less Depreciation: \$0

Building Attributes

Field	Description
Style	Vacant Land
Model	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Loc_Adj	

Building Photo

Docket No. DE 19-064 Attachment Staff TS 1-13.g

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(http://images.vgsi.com/photos/SalemNHPhotos//default.jpg)

Building Layout

(http://images.vgsi.com/photos/SalemNHPhotos//Sketches/6369

Building Sub-Areas (sq ft)	<u>Legend</u>
No Data for Building Sub-Areas	

Extra Features

Extra Features	<u>Legend</u>
No Data for Extra Features	

Land

Land Use		Land Line Valua	Land Line Valuation					
Use Code	3910	Size (Acres)	0.14					
Description	COM VAC PB	Frontage	0					
Zone	CA	Depth	0					
Neighborhood	45	Assessed Value	\$82,700					
Alt Land Appr	No	Appraised Value	\$82,700					
Category								

Outbuildings

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Outbuildings <u>Legend</u>

No Data for Outbuildings Docket No. DE 19-064
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Valuation History

Appraisal									
Valuation Year	Improvements	Land	Total						
2018	\$0	\$82,700	\$82,700						
2017	\$0	\$82,700	\$82,700						
2016	\$0	\$82,700	\$82,700						

Assessment									
Valuation Year	Land	Total							
2018	\$0	\$82,700	\$82,700						
2017	\$0	\$82,700	\$82,700						
2016	\$0	\$82,700	\$82,700						

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Row Labels	Sum o	of Transaction Amount
AFUDC Clearing	\$	1,552.08
Labor Burden	\$	2,152.82
Labor-Install	\$	973.67
LU Corporate Burden	\$	3,347.12
NH Management Burden	\$	15,415.92
Out-Station Equipment	\$	20,348.46
Vou-Station Equipment	\$	25,079.90
Grand Total	\$	68,869.97

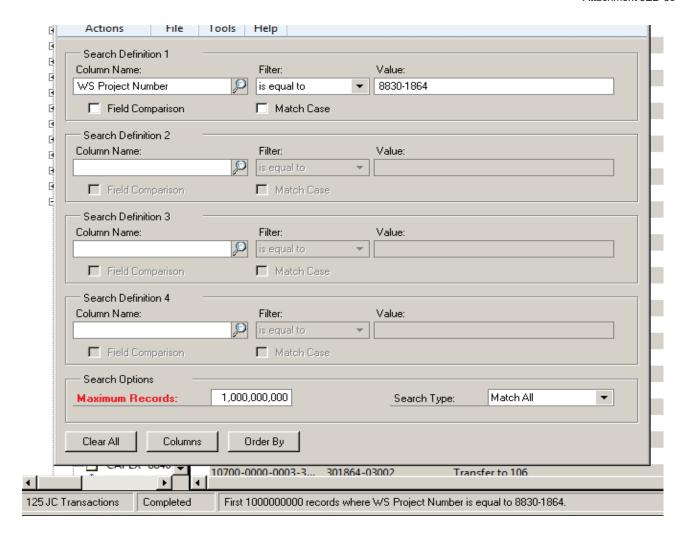
WS Job Number	Cost Code Description	Cost Element Transaction Description	Transaction Amount	Document Date	GL Postine Date	Vendor ID	Item Number	Transaction Date Purchase O	Order Number	Account Description	WS Project Number	WS Job Name	Divisions	Vendor Name	WS Description
301864-03001	Out-Station Equipment	5	3.830.00	4/17/2018	5/14/20	18 8810-MHFDES		1/1/1900		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2kv	8830-CAPITAL	MHF DESIGN CONSULTANTS. INC	Rockinsham Sub Site Engineering
301864-03001	Vou-Station Equipment	4	1,450.00	1/23/2018	5/29/20	18 8810-MHFDES		1/1/1900		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky	8830-CAPITAL	MHF DESIGN CONSULTANTS. INC	Rockinsham Sub Site Engineering
301864-03001	Vou-Station Equipment	4	1.252.50	2/28/2018	6/4/20	18 8810-HALDES		1/1/1900		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky	8830-CAPITAL	HALVORSON DESIGN PARTNERSHIP, INC.	Rockingham Sub Site Engineering
301864-03001	Vou-Station Equipment	4	6.161.70	3/31/2018	6/4/20	18 8810-HALDES		1/1/1900		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky	8830-CAPITAL	HALVORSON DESIGN PARTNERSHIP, INC.	Rockinsham Sub Site Engineering
301864-03001	Vou-Station Equipment	4	1,469.63	4/30/2018	6/4/20	18 8810-HALDES		1/1/1900		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2kv	BRROUGARITAL	HALVORSON DESIGN PARTNERSHIP, INC.	Rockinsham Sub Site Engineering
301864-03001	NH Management Burden	6 Alloc 3018-LAB - MAY18	585.46					6/12/2018		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	LU Corporate Burden	6 Alloc 3018-LU - MAY18	452.05					6/12/2018		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	Out-Station Equipment	5	4,544.48			18 8810-MHFDES		1/1/1900		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky		MHF DESIGN CONSULTANTS. INC	Rockingham Sub Site Engineering
301864-03001	Out-Station Equipment		1,392.48			18 8810-HALDES		1/1/1900		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky		HALVORSON DESIGN PARTNERSHIP, INC.	Rockingham Sub Site Engineering
301864-03001	Vou-Station Equipment	4	270			18 8810-VANASSE		1/1/1900		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky		VANASSE HANGEN BRUSTUN INC	Rockingham Sub Site Engineering
301864-03001	Out-Station Equipment	5	437.5			18 8810-HALDES		1/1/1900		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky		HALVORSON DESIGN PARTNERSHIP, INC.	Rockingham Sub Site Engineering
301864-03001	NH Management Burden	6 Alloc 3018-LAB - JUNE18	10.258.51	7/16/2018	7/16/20	118		7/16/2018		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	LU Corporate Burden	6 Alloc 3018-LU - JUNE18	1,721.85					7/16/2018		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	AFUDC Clearing	9 8830 AFUDC JUNE 18	87.16					7/17/2018		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	Labor-Install	1 ACCRUAL - PAYROLL	486.83					7/31/2018		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	Labor-Install	1 ACCRUAL - PAYROLL	-486.83					8/1/2018		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	Out-Station Equipment	5	1,299.93			18 8810-HALDES		1/1/1900		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky	8830-CAPITAL	HALVORSON DESIGN PARTNERSHIP, INC.	Rockingham Sub Site Engineering
301864-03001	NH Management Burden	6 Alloc 3018-LAB - JULY18	121.63					8/10/2018		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	LU Corporate Burden	6 Alloc 3018-LU - JULY18	20.46					8/10/2018		Construction Work In Progress	8830-1864	Rockinsham SS 115-13.2ky	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	Labor-Install	1 07/22/2018 to 08/04/2018	486.83					8/10/2018		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	Out-Station Equipment	6	5.454.24			018 8810-MHFDES		1/1/1900		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv		MHF DESIGN CONSULTANTS. INC	Rockingham Sub Site Engineering
301864-03001	AFUDC Clearing	9 8830 AFUDC JULY 18	180.67					8/13/2018		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL	HER DESIGN CONSOCIANTS, INC.	Rockingham Sub Site Engineering
301864-03001	Vou-Station Equipment	4 DISTRIBUTION SUBSTATION SITE E	1,525.00			018 8810-VHBENGINEE	CALL ENGINEERING	1/1/1900 PO000012:	1.70	Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv		VHB ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE	Rockingham Sub Site Engineering
301864-03001	Labor-Install	1 08/05/2018 to 08/18/2018	121.71				. JIII LAGINELANG	8/24/2018		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL	VIII ENGINEERING SOMETING & EMESSORE AND III COOK	Rockingham Sub Site Engineering
301864-03001	Labor-Install	1 ACCRUAL - PAYROLL	243.41					8/31/2018		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	Labor-Install	1 ACCRUAL - PAYROLL	-243.41					9/1/2018		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	Labor-Install	1 08/19/2018 to 09/01/2018	243.42					9/7/2018		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockinsham Sub Site Engineering
301864-03001	Labor-Install Labor Burden	6 Alloc 3018-88D - AUG18	1,679.37					9/13/2018		Construction Work in Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	NH Management Burden	6 Alloc 3018-LAB - AUG18	2,782.18					9/14/2018		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	LU Corporate Burden	6 Allot 3018-LU - AUG18	327.97					9/14/2018		Construction Work in Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	AFUDC Clearing	9 8830 AFUDC AUG 18	250.42					9/14/2018		Construction Work in Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	Out-Station Equipment	9 8830 APODE AUG 18	3.164.84			018 8810-MHFDES		1/1/1900		Construction Work in Progress	8830-1864	Rockingham SS 115-13.2kv		MHF DESIGN CONSULTANTS, INC	Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	Labor-Install	1 09/02/2018 to 09/15/2018	3,104.84					9/21/2018		Construction Work in Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL	MPF DESIGN CONSOLIANTS, INC.	Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	Vou-Station Equipment	4 DISTRIBUTION SUBSTATION SITE E	1,711.00			018 8810-VHBENGINEE		1/1/1900 PO000012:		Construction Work in Progress	8830-1864	Rockingham SS 115-13.2kv		VHB ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE	Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	AFUDC Clearing	9 8830 AFUDC SEPT 18	312.67				SITE ENGINEERING	10/11/2018	120	Construction Work in Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL	VHS ENGINEERING SURVETING & LANDSCAPE ARCHITECTURE	Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	Labor Burden	6 Alloc 3018-BRD - SEPT 18	473.45					10/11/2018		Construction Work In Progress Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	NH Management Burden	6 Alloc 3018-LAB - SEPT18	744.5					10/12/2018		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	LU Corporate Burden	6 Alloc 3018-LU - SEPT18	115.07					10/12/2018		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	Vou-Station Equipment	U AUGUSDIECU-SCFIII	540			18 8810-VANASSE		1/1/1900		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv		VANASSE HANGEN BRUSTUN INC	Rockingham Sub Site Engineering
301864-03001	Vou-Station Equipment	;	3.540.00			18 8810-VANASSE		1/1/1900		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv		VANASSE HANGEN BRUSTUN INC	Rockingham Sub Site Engineering
301864-03001	NH Management Burden	6 Alloc 3018-LAB - OCT18	3,540.00					1/27/2018		Construction Work in Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL	VANASSE HANGEN BRUSTUN INC.	Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	LU Corporate Burden	6 Alloc 3018-LU - OCT18	11.12					11/27/2018		Construction Work In Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	AFUDC Clearing	9 Alloc AFUDC - OCT18	351.55					11/28/2018		Construction Work in Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering
301864-03001	Out-Station Equipment	9 AIDEAFONC-OCIDS	301.00			018 8810-MHFDES		1/1/1900		Construction Work in Progress	8830-1864	Rockingham SS 115-13.2kv		MHF DESIGN CONSULTANTS, INC	Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	AFUDC Clearing	9 8830 AFUDC NOV 18	369.61					12/21/2018		Construction Work in Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL	MPF DESIGN CONSOLIANTS, INC.	Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	NH Management Burden	6 Alloc 3018-LAB - NOV18	816.33					12/27/2018		Construction Work in Progress	8830-1864	Rockingham SS 115-13.2kv	8830-CAPITAL		Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	NH Management Burden LU Corporate Burden	6 Alloc 3018-LAB - NOV18 6 Alloc 3018-LU - NOV18	816.33					12/27/2018		Construction Work In Progress Construction Work In Progress	8830-1864 8830-1864	Rockingham SS 115-13.2kv Rockingham SS 115-13.2kv	8830-CAPITAL 8830-CAPITAL		Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	LU Corporate Burden Vou-Station Equipment	6 Alloc 3018-LU - NOV18 4 ACCRUAL - ENGINEERING	5,000.00					12/27/2018		Construction Work In Progress Construction Work In Progress	8830-1864 8830-1864	Rockingham SS 115-13.2kv Rockingham SS 115-13.2kv	8830-CAPITAL 8830-CAPITAL		Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	Vou-Station Equipment Vou-Station Equipment	4 ACCRUAL - ENGINEERING 4 DISTRIBUTION SUBSTATION SITE E	5,000.00 2,160.00			018 018 8810-VHBENGINEE		1/1/1900 1/1/1900 P0000012:		Construction Work In Progress Construction Work In Progress	8830-1864 8830-1864	Rockingham SS 115-13.2kv Rockingham SS 115-13.2kv		VHB ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE	Rockingham Sub Site Engineering Rockingham Sub Site Engineering
301864-03001	vou-scation Equipment	4 DISTRIBUTION SUBSTATION SITE E	2,160.00	11/9/2018	12/31/20	118 8910-VHBENGINEE	SHE ENGINEERING	1/1/1900 PO000012	128	construction work in Progress	8830-1804	reckingnum 55 115-13.2kv	BB3U-CAPITAL	VPID ENGINEERING SURVETING & LANDSCAPE ARCHITECTURE	nockingnum sub Site Engineering

| Table | Control | Contro

The transfer to 105 is provided here, because you don't see it in the line item



Group Asset



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BUSINESS

CASE

PROJECT TITLE Replace 6L2 direct buried cables No Main St Hanover

PROJECT SPONSOR: Charles Rodrigues
PROJECT MANAGER: Anthony Strabone

DATE: 10/8/17
PROJECT ID 8830-1832

BUSINESS PLAN NUMBER: (Assigned by Corporate Finance)

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RECOMMENDATION:

- It is recommended to replace approximately 1600ft of 500 XLPE AL cables along North Main St in Hanover NH. The direct buried cables will be replaced with a duct lay cable system.
- This project is estimated at \$225,000 and will take place in 2018.

OBJECTIVE(S)

Replace approximately 1600ft of direct buried cables along No Main St.

BACKGROUND

The Costs associated with this project is to improve cable reliability and address the forward risk of a cable outage.

The Hanover 6L2 feeder supplies Dartmouth College West Campus and provides backup supply to the Dartmouth College North Campus.

The existing underground cable is 500 kCMIL Al XLPE of 1970's vintage and is installed in a direct buried arrangement. The cross linked polyethylene (XLPE) insulated cables of this vintage have a high failure rate. Voids and contamination in the insulation and shields as well as other design and manufacturing deficiencies, leads to voltage stress concentrations within the cable. These voltage stresses, combined with moisture creates water trees. These water trees degrade insulation over time, ultimately causing the cables to fail.

ALTERNATIVES/OPTIONS
None
FINANCIAL ASSESSMENT
None
RISK ASSESSMENT AND QUALITATIVE EVALUATION
None
IMPLEMENTATION/ACTION PLAN
The second secon

The construction will take place under individual jobs numbers throughout the year.

PROJECT MANAGER: Anthony Strabone Authory Strabone

DIRECTOR/VP: CHALLES COPIESES STORY

FINANCE: JANA LANGUESEN 12/29/17

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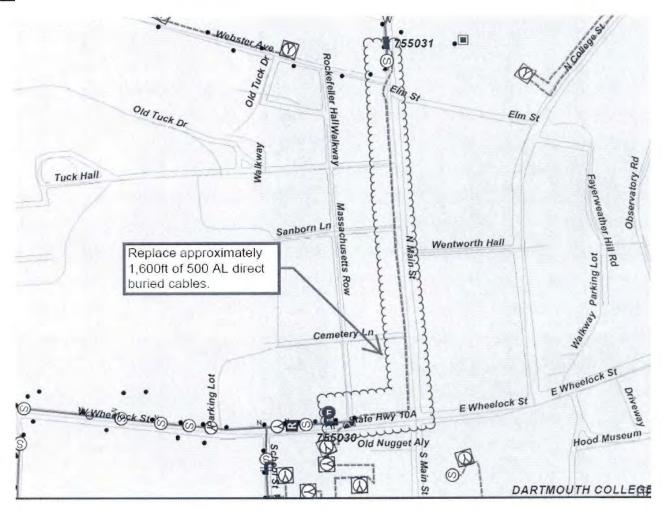
LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

Capital / Granite State	HOME OFFICE REF #: 8830-1832
Electric Co. PROJECT TITLE: Replace 6L2 direct buried cables No Main St Hanover	EXPECTED PROJECT TOTAL: \$225,000
PROJECT TYPE (circle one): System Maint / System Project / Growth / LXA	
PROJECT START DATE: 1/1/18	PROJECT END DATE: 12/1/18
CURRENT UTILITY EARNINGS STATUS:	JOB COST/FWO #:
☐ Growth ☐ Improvement Upgrades ■ Infrastructure Replacement	
PROJECT DESCRIPTION & LOCATION: Replace the direct buried cables along No Main St due to concern	
IS THIS PROJECT GROWTH RELATED? IF "YES", DESCRIBE THE SPEC WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOPMENT SER No.	
WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOPMENT SER No PERMITTING REQUIREMENTS, INCLUDING POTENTIAL IMPACT ON E WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT.	VICES REGARDING FUNDING). XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED
WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOPMENT SER No PERMITTING REQUIREMENTS, INCLUDING POTENTIAL IMPACT ON E	VICES REGARDING FUNDING). XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED g as required. FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED),
WHERE GROWTH WILL OCCUR (CONSULT WITH DEVELOPMENT SER No PERMITTING REQUIREMENTS, INCLUDING POTENTIAL IMPACT ON E WITH OBTAINING APPROPRIATE PERMITS FOR PROJECT. Underground equipment Licensing and Environmental Permitting COST ESTIMATE FOR TOTAL PROJECT, NATURE OF ESTIMATE (FIRM TIMING OF SPENDING BY QUARTER, AND RISKS ASSOCIATED WITH O	VICES REGARDING FUNDING). XISTING PERMITS, AND TIMING OF AND RISKS ASSOCIATED g as required. FIXED PRICE, INTERNALLY OR EXTERNALLY GENERATED), COST ESTIMATES. LY IN SERVICE REMOVED AS A RESULT OF THIS PROJECT? //ED: ost not known)? Not known

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CATEGORY & STATUS OF PROJE	СТ	FINANCIA	L SUMMARY			
(tick as appropriate)		NEXT ANT	TICIPATED TEST YEAR	2019		
		Rate Recove	ery (over 18 months)	2018		
		-		X		
Safety		Will this, ar cause a rate	nd other approved projects, shock	No	If yes, is cur affordability	
Mandated	X					
Impending Regulatory Obligation	A	I to make a				
Rate Recovery-Immediate Return		been consid	ZEPRO L			
Rate Recovery (3 to 6 months)		Has Enviror	nmental Compliance			
Rate Recovery (6 to 12 months)			ervices review been done?			
Rate Recovery (12 to 18 months)		1,000,170,0	75.40 (2 5 6 7 1 5 5 7 1 3 5 5 7 7 1 5 5 7 7 5 7 7 7 7 7 7 7 7 7 7			
Was this Capital Expenditure included in the Annual Budget?	I Yes	What amou	nt was budgeted? \$225,000			
ANALYSIS OF PROJECT VALUE Design/Engineering		CAPITAL	EXPENDITURE BUDGET	UTILIZATION Authorized	To be spent in:	
Material		9		Amount	Current	Future
External contractor costs	1	41.			Year	Years
310010001111111111111111111111111111111		(A) Capital		\$225,000	\$225,000	
Other costs (contingency)		(B) Over (u	nder) run vs. Budget		\$225,000	
Internal costs Other costs (contingency) Working capital requirements		(B) Over (u (C) (A+B)	nder) run vs. Budget Total Estimated Project Cost		\$225,000	
Other costs (contingency)		(B) Over (u (C) (A+B) (D) Less A	nder) run vs. Budget Total Estimated Project Cost pproved Spend to Date		\$225,000	
Other costs (contingency)		(B) Over (u (C) (A+B) (D) Less Au (E) Less Fu	nder) run vs. Budget Total Estimated Project Cost pproved Spend to Date ture Approval Requests		\$225,000	
Other costs (contingency)	\$225,000	(B) Over (u (C) (A+B) (D) Less Ap (E) Less Fu (F) (C-D-E)	nder) run vs. Budget Total Estimated Project Cost pproved Spend to Date		\$225,000	
Other costs (contingency) Working capital requirements	\$225,000 Nam	(B) Over (u (C) (A+B) (D) Less AJ (E) Less Fu (F) (C-D-E) Requested (nder) run vs. Budget Total Estimated Project Cost pproved Spend to Date ture Approval Requests Approval Amount		\$225,000	
Other costs (contingency) Working capital requirements Project Total Cost	Nam	(B) Over (u (C) (A+B) (D) Less Al (E) Less Fu (F) (C-D-E) Requested (c	nder) run vs. Budget Total Estimated Project Cost pproved Spend to Date uture Approval Requests Approval Amount (current application)		\$225,000	
Other costs (contingency) Working capital requirements Project Total Cost Requesting Party		(B) Over (u (C) (A+B) (D) Less AJ (E) Less Fu (F) (C-D-E) Requested (nder) run vs. Budget Total Estimated Project Cost pproved Spend to Date uture Approval Requests Approval Amount (current application)		\$225,000 30/7	
Other costs (contingency) Working capital requirements Project Total Cost Requesting Party Director of Engineering C	Nam	(B) Over (u (C) (A+B) (D) Less AJ (E) Less Fu (F) (C-D-E) Requested (nder) run vs. Budget Total Estimated Project Cost pproved Spend to Date uture Approval Requests Approval Amount (current application)		\$225,000 30/7 30/17	
Other costs (contingency) Working capital requirements Project Total Cost Requesting Party Director of Engineering VP of Operations Other costs Continued to the continue of the continue	Nam	(B) Over (u (C) (A+B) (D) Less AJ (E) Less Fu (F) (C-D-E) Requested (nder) run vs. Budget Total Estimated Project Cost pproved Spend to Date uture Approval Requests Approval Amount (current application)		30/7	
Other costs (contingency) Working capital requirements Project Total Cost Requesting Party Director of Engineering VP of Operations President – LU East	Nam	(B) Over (u (C) (A+B) (D) Less AJ (E) Less Fu (F) (C-D-E) Requested (nder) run vs. Budget Total Estimated Project Cost pproved Spend to Date uture Approval Requests Approval Amount (current application)		\$225,000 80/7 30/17	
Other costs (contingency) Working capital requirements Project Total Cost Requesting Party Director of Engineering VP of Operations President – LU East	Nam anthony Strabone Charles Rodrigues Fraig Jennings	(B) Over (u (C) (A+B) (D) Less AJ (E) Less Fu (F) (C-D-E) Requested (nder) run vs. Budget Total Estimated Project Cost pproved Spend to Date uture Approval Requests Approval Amount (current application)		\$225,000 80/7 30/17	

Attachment





N/A

Change Order Form

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		(1	Project Over	iew			
Reason for Change:							
Project ID:	8830-18	332		Project	Name:	Replace St Hano	6L2 Circuit No Ma
Change Order Name:	Replace	6L2 Circuit No Main St	Hanover	Date Pr	epared:	03/19/19)
Change Order #:	1			Financi (FWO):	al Work Order	301832-	01001
Project Sponsor:	Charles	Rodrigues		Revised	Start Date:	01/01/18	
Project Lead:	Anthony	Strabone		Revised	End Date:	12/31/18	
Prepared By:	Anthony	Strabone		Change	Typeiii	⊠ In Sc	ope □ Out of Scop
Project Contingency Available?	⊠ Yes	□ No			Selected, Please source of		
(I	Double cli	Financial A	Assessment/C update; inclu			excel file)	
Category		Original Project Value	Previous A Chan		Current Char Order Amou		Total
Internal Labor (includi and travel)	ng labor						
Materials (including consumables)							
Equipment (rental equi	pment)						
Contractor/Subcontract (including consultants)							
Total		225,000.00			1,070,59	93.30	1,295,593.30
Updated Unlevered Inte Rate of Return: Basis of Current Chang Order Amount:		Additional funding was funding requested incre costs for this project we oversight needed at the	ased the 2018 are greater tha request from t	Budget for n the revise he Town of	this project to \$1, ed budget due to a	100,000.	Actual construction
	(As a re	Sult of the Change Order	where applications New Force	cts able, List th	e Impacts to sched	dule)	

N/A

LUCo Change Order Form Page 1 Rev. 00

N/A



Change Order Form

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2018

Approvals and Signatures'

		Арр	roved By:	
Role	Approval Authority Limit	Name	Signature	Date
Manager / Staff (requisitioner/buyer):	Up to \$25,000	Anthony Strabone	Many Staters	3/28/19
Senior Manager: :	Up to \$50,000		Ų.	
Senior Director/Director:	Up to \$250,000	Charles Rodrigues Director, Engineering	Carodianos	3/31/19
State President / Senior VP / VP:	Up to \$500,000		0	
State President / Senior VP / VP:	Up to \$500,000	Susan Fleck President - LU NH	1	3/31/19
Regional President:	Up to \$3,000,000	James Sweeney President - East Region	may	3/31/19
Corporate - Sr VP Operations:	Up to \$5,000,000)0	
Corporate - Exec Team Member (CEO, CFO, COO, Vice Chair):	Over \$5,000,000			

The Financial Work Order Section captures the work order this change falls under when the job was initially set-up

iii The Change type for In scope or Out of scope changes fall within the following scenario:

[&]quot;The Revised project end date is dependent on changes in scope that may deviate the schedule from the original plan

In Scope changes are deviations of scope from the original plan and approved budget that align to the original scope of the project but have revised pricing as a result of changes in pricing of labour, materials, and equipment

Out of Scope changes are scope changes that were not originally planned for in the project baselines and approved budget. Examples
of this type of change are related to changes in technology, missed deliverables, a change in the project design altering the scope of the
project, etc.

in In cases where the project no longer has contingency to cover project change orders, please specify any other sources of funds that would address the project variance (i.e. not executing another project, delaying scope of another project, etc)

Y Approvals for work orders and purchase orders are subject to the limits set forth in the Approval Limits of Authority Policy owned and amended from time to time by the corporate procurement group.

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Project Close Out Report

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Requesting Region or Group:	Granite State Electric Co.	Date of Closeout (MM/DD/YY):	03/19/19
Project Name:	Replace 6L2 Circuit No Ma		
Project ID #:	8830-1832	Requesting Region:	East Region
Project Lead:	Anthony Strabone	Project Sponsor:	Charles Rodrigues
Project Status:	Aln Service □Complete □	Closed	
Project Start Date:	01/01/18	Project Completion Date:	12/31/18
Requested Capital (\$)	\$1,295,593.30	Expenditure Included in Approved Budget?	⊠Yes □No

Section 1. Approval

Approval of the Project Closeout and Assessment Report indicates an understanding and formal agreement that the project is ready to be closed. By signing this document, each individual agrees all administrative, financial, and logistical aspects of the project should be concluded, executed, and documented as described herein.

Further, by signing this Report, it is accepted that CWIP (FERC Account 107) should be transferred to Utility in Plant Service (FERC Account 101)

Approver Name	Title	Signature	Date
Anthony Strabone	Manager, Electric Engineering	Michay Matria	3/27/14
Charles Rodrigues	Director, Engineering	Catodrapes	3/31/19
Richard MacDonald	Vice President, Operations	healthould	3/29/19
Peter Dawes	Vice President, Finance & Administration	2	3/29/1

Section 2. Final Deliverable/Deployment Checklist

Sponsor to respond to each question. For each "no" response, include an issue in Open Issues section.

Item	Question	Response
2.1	Do you agree that the product and/or service is ready to be deployed?	Yes ⊠ No □
2.2	Do you agree the product and/or service has sufficiently met the stated business goals and objectives?	Yes ⊠ No □
2.3	Do you fully understand and agree to accept all operational requirements, operational risks, maintenance costs, and other limitations and/or constraints imposed as a result of ongoing operations of the product and/or service?	Yes No 🗌
2.4	Has the final unitization estimate been provided to Property Accounting?	Yes ⊠ No □

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Project Close Out Report

Item	Question	Response
2.5	Do you agree the project should be closed? If no, please explain:	Yes No 🗆
	Rate your level of satisfaction with regards to the project outcomes listed below	
2.5	Project Quality	3/5
2.6	Product and/or Service Performance	3/5
2.7	Scope	3/5
2.8	Cost (Budget)	3/5
2.9	Schedule	3/5

Section 3. Project Documentation Checklist

Project Manager Respond to each question. For each "no" response, include an issue in Open Issues section.

Item	Question		Response
3.1	Have project documentation and other ite Budget Documents, Status Reports) been	ms (e.g., Business Case, Project Plan, Charter, prepared, collected, filed, and/or disposed?	Yes ⊠ No □
3.3 ⁱ	Were audits (e.g., project closeout audit) reference?	completed and results documented for future	Yes ⊠ No □
3.4	Identify the storage location for the follow	ving project documents items:	
Item	Document	Location (e.g., Google Docs, Webspace)	Format
3.4a	Business Case	W:\Public\Engineering\2018 Preliminary Business Cases Electric	☐ Electronic ☐ Manual
3.4b	If available, the Final Project Schedule		☐ Electronic ☐ Manual
3.4c	Budget Documentation and Invoices		☐ Electronic ☐ Manual
3.4d	Status Reports		☐ Electronic ☐ Manual
3.4e	Risks and Issues Log		☐ Electronic ☐ Manual
3.4f	Final deliverable		☐ Electronic ☐ Manual
3.4g	If applicable, verify that final project delivin 3.4.	erable for the project is attached or storage loca	ation is identified

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Project Close Out Report

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Section 4. Project Team ii

Project Manager to list resources specified in the Project Plan and used by the project.

Role	Type (e.g., Contractor Employee)
Manager, Engineering	Employee
Engineering	Employee
Underground Civil Construction	Contractor
Underground Electrical Construction	Contractor
	Manager, Engineering Engineering Underground Civil Construction Underground Electrical Construction

Section 5. Project Lessons Learned

Project Team to identify lessons learned specifically for the project. State the lessons learned in terms of a problem (issue). If available please include a Lesson Learned Log in the attached. Please summarize the top three issues on the project and the recommended improvements to correct a similar problem in the future.

N/A

Section 7. Open Issues

Issue	Planned Resolution	
N/A	N/A	

Project Manager and Functional Lead to describe any open issues and plans for resolution within the context of project closeout. Include an open issue for any "no" responses in the Final Product and/or Service Acceptance Checklist and the Project Artifacts Checklist sections.

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Project Close Out Report

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Section 8. Project Cost Summary

Project Manager and Functional Lead to provide details for the following tables.

Cost Category	1- Budget	2- Actual	3 = 1 -2 Variance
Cost of Design &			J 1 -2 variance
Engineering (\$)			
Cost of Materials (\$)			
Cost of Construction (\$)			
External Costs (\$)			
Internal Costs (\$)			
Other (\$)			
AFUDC (\$)			_
Total Project Costs (\$)	\$1,295,593.30	\$1,295,593.30	\$ 0.00

Reasons for Variance	Impact	
No variance between actual and budget	\$0	
Cause 2	\$	
Cause 3	\$	

Project Manager to list of all work orders associated with project that should be closed once Close Out Report is accepted.

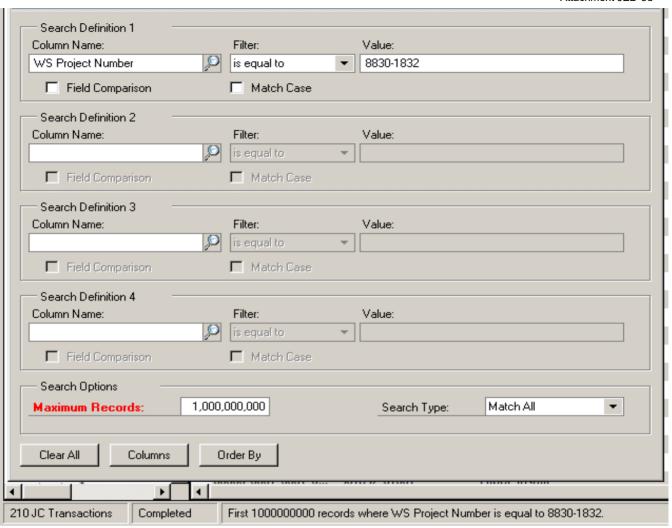
Registry of All Job Codes (I LABs)	Regional, Corporate,
301832-01001	

¹ This section assumes an accounting audit has been completed ensuring all outstanding payments have been reconciled to the

project
"For Section 4 in filling out the Project Team Section, for those projects following the materiality limit set forth in the work order approval limits greater than \$5M please complete this section, all other projects do not require this.

Row Labels	Sum	of Transaction Amount
AFUDC Clearing	\$	3,341.48
Labor Burden	\$	54,516.75
Labor Burden - COR	\$	8,666.07
Labor-Install	\$	29,536.22
Labor-Removal	\$	4,437.76
LU Corporate Burden	\$	29,060.61
LU Corporate Burden - COR	\$	127.17
Mat-UG Cond & Devices	\$	114,595.77
NH Management Burden	\$	231,712.33
NH Management Burden - COR	\$	970.71
Stores Burden	\$	11,996.77
Vou-Poles/Tow/Equip	\$	275.50
Vou-UG Cond & Devices	\$	793,052.02
Vou-UG Conduit	\$	27,514.00
Grand Total	\$	1,309,803.16

Cost Code Strine WS Job Number Cost Code Description	Cost Element: Transaction Description 1 05/27/2018 00 05/09/2018 1 05/27/2018 00 05/09/2018 1 ACCRUAL - PAYADLL 1 ACCRUAL - PAYADLL 1 05/2018 00 05/07/2018 1 07/09/2018 00 05/07/2018 1 07/09/2018 00 05/07/2018 1 ACCRUAL - PAYADLL 1 ACCRUAL - PAYADLL 1 ACCRUAL - PAYADLL	Transaction Amount Document Date GL Posting Date Vendor ID Item Number 365.12 6/15/2018 6/15/2018	Transaction Date Account Description WS Project Numb	er WS Job Name Vendor Name	W5 Description	TEMOSS
Cost Code String WS Job Number Cost Code Description 00000-0001-0001-0000 201822-01001 Labor-Install 00000-0001-0001-0000 201822-01001 Labor-Install Labor-Install Labor-Install	1 05/27/2018 to 06/09/2018 1 06/10/2018 to 06/23/2018	Transaction Amount Document Date GL Posting Date Vendor ID Item Number 366.12 6/15/2008 4/15/2008 730.24 6/26/2008 6/26/2008 6/26/2008 6/26/2008	Transaction Date Account Description W5 Project Numb 4/15/2028 Construction Work in Progress 8230-222 4/26/2028 Construction Work in Progress 8230-222 4/26/2028 Construction Work in Progress 8230-222	ser WS Job Name Vendor Name GL 2 N Main St UG GL 2 N Main St UG GL 2 N Main St UG	WS Description Replace 6.2 direct buried cables No. Main St. Hanover Replace 6.2 direct buried cables No. Main St. Hanover Replace 6.2 direct buried cables No. Main St. Hanover Replace 6.2 direct buried cables No. Main St. Hanover	
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		901.04 9/28/2018 9/28/2018 366.24 9/28/2018 9/28/2018	9/28/2018 Accrued cost of removal 8830-1832	GL2 N Main St UG	Replace 62.2 direct buried cables No. Main St. Harrover Replace 62.2 direct buried cables No. Main St. Harrover	
00000-0003-0001-0000 301832-01001 Labor-Removal 00000-0003-0001-0000 301832-01001 Labor-Removal	1 09/16/2018 to 09/22/2018 1 09/16/2018 to 09/22/2018		9/28/2018 Accrued cost of removal 8830-1832 9/28/2018 Accrued cost of removal 8830-1832	GL2 N Main St UG GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	
00000-0003-00000-00001232-010001 Labor-Removal 00000-0003-0001-0000-001823-010001 Labor-Removal 00000-0003-0001-0000-001823-010001 Labor-Removal 00000-00001-0001-0000-001823-010001 Labor-Install 000000-0001-0000-0000-001823-010001 Labor-Install 000000-0001-0000-0000-001823-010001 Labor-Install 00000-0001-0001-0000-001823-010001 Labor-Install 00000-0001-0001-0000-001823-010001 Labor-Install 00000-0001-0001-0000-0001823-010001	1 09/16/2018 to 09/22/2018 1 ACCRUAL - PAYROLL 1 ACCRUAL - PAYROLL 1 09/16/2018 to 09/29/2018	346.2 9 9747/2018 9743/2018 346.2 9 9747/2018 9743/2018 241.4 1 9747/2018 9743/2018 241.4 1 1977/2018 1074/2018 241.4 2 1077/2018 241.4 2 1077/2018 241.4 2 1077/2018	9/31/2018 Accorded cost of memoral 88.60-1812 9/31/2018 Accorded cost of memoral 88.60-1812 9/31/2018 Accorded cost of memoral 8880-1812 9/31/2018 Accorded cost of memoral 8880-1812 15/31/2018 Construction Work in Progress 8880-1812	GL2 N Main St UG GL2 N Main St UG	Replace 6.2 direct burind cases No. Nain St. Hanover Replace 6.2 direct burind cables No. Main St. Hanover Replace 6.2	
00000-0001-0000-0000-001832-01001 Labor-Install	1 ALLHUAL - PAYROLL 1 09/16/2018 to 09/29/2018	-44.41 10/1/2018 10/1/2018 143.42 10/1/2018 10/1/2018	avy 1/atura Construction Work in Progress 8830-1832 10/5/2028 Construction Work in Progress 8830-1832	62 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	
00000-0001-0001-0000 201832-01001 Labor-Install 00000-0001-0001-0000 201832-01001 Labor-Install	1 10/14/2018 to 30/20/2018 1 Reci to 201832-01001	215.28 10/26/2018 10/26/2018	suyzE/2018 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1833		керкасе 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Налочия	
00000-0001-0001-0000 301832-01001 Labor-Install 36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices 36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices	2		1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG GL2 N Main St UG GL2 N Main St UG	Replace 62.2 direct buried cables No. Main St. Hanover Replace 62.2 direct buried cables No. Main St. Hanover Benlace 62.2 direct buried rables No. Main St. Hanover	BRACE, XARM, FLAT, WOOD, 26IN. CTR TO CTR EA PAIR TERMINISTING COLD SURVIY CASSAY INSUL O.D. BANGE: 1.05".
36700-0001-0002-0000 301822-01001 Man-UG Cond & Devices 36700-0001-0002-0000 301822-01001 Man-UG Cond & Devices 36700-0001-0002-0000 301822-01001 Man-UG Cond & Devices	2	606.52 9/19/2008 9/19/2018 8820-0820501 16.2 9/19/2018 9/19/2018 8820-0821118 8/14/66 9/19/2018 9/19/2018 8820-0821118	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG GL2 N Main St UG GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	TERMINATION, COLD SWENK, S-25KV, INSUL. O. D. RANGE: 1.05" – WIRE, GUY, ALUNDWINGLD, 12.5KM, 7.5TR, 0.3-61KV. OD, 7.5TRAND 12 SWITCH, LONDREAK, SEN, 9-HI DIES BEAK, GAME OPR VERT, SOOL WITH INS ARM (SEC PREFERRED)
36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices 36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices	2 2	9/19/2018 9/19/2018 8830-0811143 19.68 9/19/2018 9/19/2018 8830-0811154	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG GL2 N Main St UG	мергасе ss.2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	
36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices 36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices	2 2	5,195.16 9/19/2018 9/19/2018 8830-0811161 665.36 9/19/2018 9/19/2018 8830-0811217	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	62.1 N Notes St UG 62.2 N Notes St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	SPLICE, KIT, COLD SHRINK, 15KV MAX, RANGE 500-1000KEMIL ANDDE MAGNESHIM 1718 HIGH POT 1.7VOLTS 3.5X25 W/10FT SOLID 12 AWG 18FT RED IN A CLOTH SACV 3RIN I DINC
36:00-0001-0002-0000 301822-01001 Man-UG Cord & Devices 36:00-0001-0002-0000 201822-01001 Man-UG Cord & Devices 36:00-0001-0002-0000 301822-01001 Man-UG Cord & Devices	2	86.5.0 1/17/2018 W19/2018 BEAD-081117 86.5.2 9/19/2018 9/19/2018 BEAD-2005/573 116.04 9/19/2018 9/19/2018 BEAD-2001572 242.44 9/19/2018 9/19/2018 BEAD-2002575	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	62 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover	TAPE, ELECTRICAL, ARC AND FP, 3IN X 333IN X 20FT
36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices 36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices	2 2	89.52 9/59/2018 9/19/2018 8830-3005673 116.04 9/19/2018 9/19/2018 8830-301572 342.44 9/19/2018 9/19/2018 8830-3023255	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	6L2 N Main St UG 6L2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	INSULATOR, STRAIN, 15KV, POLYMER MOUNT, EQUIPMENT, FIBERGLASS, 3 PH, 48IN, 26LBS
36700-0001-0002-0000 301832-01001 Mat-UG Cond & Devices	2 2	147.24 9/19/2018 9/19/2018 8830-3502022	1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG	Regions 6.2 direct buried cables No. Main Sc. Honover Regions 6.2 direct buried cables No. Moin Sc. Honover Moint Sc. Hon	ROCITICAD, MILLOUE, 4,881 NA AS-360 WASH ROCITICADE, MILLOUE, 4,881 NA AS-360 WASH ROCI MANCESHAN THA BIGH POT 1,701 TO 1,500 T
36700-0001-0002-0000 301832-01001 Mat-UG Cond & Devices	2	55.2 9/19/2018 9/19/2018 8820-3503013	1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover	ROD, GROUND, SOLID, CU BONDED STL, S/BIN X BFT
36700-0001-0002-0000 301832-01001 Mat-UG Cond & Devices	2	15 W1W/2018 W1W/2018 8880-2508277 16.12 9/19/2018 9/19/2018 8880-2509621	1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG	Replace 62.2 direct buried cables No. Main St. Harrover Replace 62.2 direct buried cables No. Main St. Harrover	INSULATOR, GUY STRAIN, FIRERGLASS, 15M, SAIN
### (ADD) 0001-0002-0000 ADD ### (ADD) 0001-0002-0002-0002-0002-0002-0002-0002	2	15.5.2 0/19/2028 9/19/2038 8130-350313 3.5 0/19/2028 9/19/2038 8130-350317 16.12 0/19/2028 9/19/2038 8130-350327 16.13 0/19/2028 8130-3505421 150 0/19/2028 8130-3505423 6.08 0/19/2028 8130-3505423 8130-350542 8130-350542 8130-350542 8130-350542 8130-350542 8130-350542 8	1/1/100 Construction Work in Progress 8820-1822	62.1 N Notes St UG 62.2 N Notes St UG	Replace 6.2 direct burind cases No. Nain Sr. Hanover Replace 6.2 direct burind cables No. Main Sr. Hanover Replace 6.2	CLOSE/ SEGULATION SERVICES (1) ANAPORT CAREA, 1981 - 10078. BOOL (SCOURS, CLOSE) CLO (SACKED ST. (1) ANAPORT SET SET SET SET SET SET SET SET SET SE
36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices	2	393.3 9/19/2018 9/19/2018 8830-4000044 196.65 9/19/2018 9/19/2018 8830-4005440	1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover	WIRE, 4/D AWG CU, 29 STRAND, SNGL COND. 60 MILS INSUL.
26705-0002-0002-00002-00002-00002-00002-0000-0000-0000-0000-0000-0000-0000-0000	2	196.05 9/19/2018 9/19/2018 BED-4005640 7.74 9/19/2018 9/19/2018 BED-4005522 648 9/19/2018 BED-4005523 7.24 8 9/19/2018 BED-4005629 7.24 8 9/19/2018 BED-5100662 9/19/2018 BED-5100662 9/19/2018 BED-5100662	1/1/1900 Construction Work in Progress 8820-1822 1/1/1900 Construction Work in Progress 8820-1822	GL2 N Main St UG GL2 N Main St UG	Replace 62.2 direct buried cables No. Main St. Hanover Replace 62.2 direct buried cables No. Main St. Hanover	WINE, 400 MWG-LOL, 29 1 MINNEY, SWAL CLARK, 300 MAS THOUGH MANG, GOOV WINE, DRICK CLARK, COLOR CLARK CHART CONTROVER, MANG, GOOV WINE, BOARD, 20 MRC LOL 21 THE, CONCENTRACING, CLARK CHART, CANAGE, 400 MRC LOL 25 THE, CONCENTRACING, CLARK CHART, CHART, CHART, CHART CLARK COLOR CHART CHART, CHART CLARK CHART CHAR
36700-0001-0002-0000 301832-01001 Max-UG Cond & Devices 36700-0001-0002-0000 301832-01001 Max-UG Cond & Devices	2 2	7.74 9/19/2018 9/19/2018 8830-4015032 648 9/19/2018 9/19/2018 8830-4035019 238.8 9/19/2018 9/19/2018 8830-5100682 96/610.00 9/19/2018 9/19/2018 8830-5107062	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	CABLE, BARE, 4/0 AWG CU, 19 STR, 1/C ARRESTER, SURGE, RISER CLASS, POLYMER, MOV TYPE, 12KV
36709-0001-0002-0000 301832-01001 Mat-UG Cord & Devices 36709-0001-0002-0000 301832-01001 Mat-UG Cord & Devices	2	90,610.00 9/19/2018 9/19/2018 8820-5107262 108.94 9/19/2018 9/19/2018 8820-5642411	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	G2 N Main St UG G2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover	CABLE 15NJ, 1000K: MIL COPPER 3-1 CONDUCTOR 175 MILS EPR INSULATED DEVICE, CABLE POSITIONER
36700-0001-0002-0000 301832-01001 Mat-UG Cond & Devices	2	108.84 9/19/2018 9/19/2018 8820-5642411 170.4 9/19/2018 9/19/2018 8820-564250 976 9/19/2018 9/19/2018 8820-5642021	1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG	Replace 62.2 direct buried cables No. Main St. Hanover Replace 62.2 direct buried cables No. Main St. Hanover	DAVILL, CAULE PCSI IDONIA: IN SULATOR, RACK, 2-3/4IN WO X-4IN LG, PORCELAIN RACK, CAULE, 1-3/4IN WO X-5SIN LG, GALVS
\$2000-0001-0002-0000-100182-2-01000 Met-UG Conel & Devices \$2000-0001-0002-0000-100182-2-01001 Met-UG Conel & Devices	2 2		\$1,17,100 Connection Water in Progress \$1,17,100 Connecti	GL IN Main St UG GL IN Main St UG	Supplex 2.2 direct bending states. No. March S. Brooker	RACK, CABLE, 1-3/NIN WD X SSIN LG, GALVS SUPPORT, CABLE, 14-7/NIN, GALVS
36700-0001-0002-0000 301822-01001 Man-UG Cond & Devices 36700-0001-0002-0000 301822-01001 Man-UG Cond & Devices 36700-0001-0002-0000 301822-01001 Man-UG Cond & Devices	2	2,151.56 9/19/2018 9/19/2018 88EO-5647434 100.8 9/19/2018 9/19/2018 88EO-564375 196.56 9/8/2018 9/19/2018 88EO-564375	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover	SLIPPORT, CABLE, 14-7/BIN, CALVS WIRE, BARE, 84 CU, SCIUS, SOFT DRAWN, TINNED, 200FT REE COMMETCER, PRABALEL, GROUNE, 977-795 KCM AL, 4/0 ANIG - 400 KC
36700-0001-0002-0000 301832-01001 Man-UG-Cond & Devices	2	196.56 9/19/2018 9/19/2018 8830-5962875 152.76 9/19/2018 9/19/2018 8830-5985783	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	CLAMP, STRILDE, GADDIN, 407-795 KDM AC, 4(0 AMIG - 400 KC. CLAMP, STRILDE, 3/0 -556.5 AL, 1 U-90LT
14030-0003-0003-0000-0000 201213-010001 Meta-UG-Corfe & Devices 14030-0003-0000-0000 201213-010001 Meta-UG-Corfe & Devices 14030-0003-0000-0000 000113-0100001 Meta-UG-Corfe & Devices 14030-0003-0000-0000 201213-010001 Meta-UG-Corfe & Devices 14030-0003-0000-0000 201213-010001 Meta-UG-Corfe & Devices 14030-0003-0000-0000 201213-010001 Meta-UG-Corfe & Devices 14030-0003-00000-0000 201213-010001 Meta-UG-Corfe & Devices 14030-0003-0000-0000 201213-010001 Meta-UG-Corfe & Devices 14030-0003-00000000000000000000000000000	2 2	18-0-70 VINI-VIDE NO VINI-VIDE	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	G.2 N Mains 24 UG G.2 N Mains 24 UG G.3 N Mains 24 UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	CONSICTOR, SHARLIC GLOOK, 67,75% COMA, 46,9 MINE - 400CE KHAT, FOLE FOLE, 67,6 CAN, 15-50 COM CONSICTOR, BLC, 600,7 TH CL, (22, 85) COT 04,9 GROUP, 15-50 CONSICTOR, BLC, 600,7 TH CL, (22, 85) COT 04,9 GROUP, 15-50 CONSICTOR, BLC, 600,7 TH CL, (22, 85) COT 04,9 GROUP, 15-50 CONSICTOR, BLC, 600,7 TH CL, 600,7 TH CONSICTOR STORT OA,19 WATER STOP AND CLEB A CLASS A CLASS 2 MIN CONSICTOR, BLC, 600,7 TH, 600,8 GROUP TO ACTION THE CONTINUE OF CONT
36700-0003-0003-0000-201823-01001 Max-UG Cond & Devices 36700-0003-0003-0000-201823-01001 Max-UG Cond & Devices 36700-0001-0003-0000-01823-01001 Max-UG Cond & Devices 36700-0001-0003-0000-201823-01001 Max-UG Cond & Devices	2	257.24 9/19/2008 9/19/2018 8820-9202.002 123.44 9/19/2018 9/19/2018 8820-9202.06 42 9/19/2018 9/19/2018 8820-9202.06 13.91 9/19/2018 9/19/2018 8820-9202.000 13.91 9/19/2018 9/19/2018 8820-9202.002 9/19/2018 9/19/2018	1/1/1900 Construction Work in Progress 8820-1822 1/1/1900 Construction Work in Progress 8820-1822	GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover	CONNECTOR, COMPR, TND ALUM, FOR 1000 MCM W/CTR OIL/WATER STOP ANSI C119.4 CLASS A CLASS 2 MIN
36700-0001-0002-0000 301832-01001 Man-UG-Cond & Devices	2	357.24 9/19/2018 9/19/2018 8820-9202.202 123.44 9/19/2018 9/19/2018 8820-9202.205 42 9/19/2018 9/19/2018 8820-9202.205 13.91 9/19/2018 9/19/2018 8820-9202.802 0.03 9/19/2018 9/19/2018 8820-9202.802	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	GLIARD, RISER, 31N X SFT, HIGH DENSITY POLYETHYLENE
36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices 36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices	2 2 IVA000000096		1/1/1900 Construction Work in Progress 8830-1832 11/30/2018 Construction Work in Progress 8830-1832	GL2 N Main St UG GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	GUARD, RISER, SIN X SFT, HIGH DENSITY POLYETHYLENE
### (ADD) 0001-0002-0000 ADD ### (ADD) 0001-0002-0002-0002-0002-0002-0002-0002	2 IVA000000096		11/a/JUSSE Construction Work in Progress 8820-1822 11/a/2008 Construction Work in Progress 8820-1822 11/1/1800 Construction Work in Progress 8820-1822	ALZ IN MARIN SE UIG ALZ IN MARIN SE UIG	Replace 6.2 direct burind cases No. Nain Sr. Hanover Replace 6.2 direct burind cables No. Main Sr. Hanover Replace 6.2	
36700-0001-0002-0000 301832-01001 Man-UG-Cond & Devices	2	12122 10/73/2018 10/73/2018 8800-3/2017 26.88 10/73/2018 10/73/2018 8800-3/2014 6.68 10/73/2018 10/73/2018 8800-3/2012 74.84 10/73/2018 10/73/2018 8800-3/2017 87.4 10/73/2018 10/73/2018 8800-3/2017	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	6L2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	MOUNT, EQUIPMENT, FREERCLAGS, 3 PM, 480H, 3 ELES PM, INDUSTRION, TOP GENERAL GS, 5 PM, 480H, 3 ELES CLAMP, MESSENGER SUPPORT, FREERING, CLAMP, MESSENGER SUPPORT, FREERING, CLAMP, 2 PM, 2
36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices 36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices	2 2	6.98 10/23/2018 10/23/2018 8830-3502812 74.84 10/23/2018 10/23/2018 8830-3502879	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	CLAMP, MESSINGER SUPPORT, F/AERIAL CABLE, 3/8 - 1/2IN. BRACE, XARM, RVRS, TRANS, WOOD, GOIN SPREAD EA PAIR
36700-0001-0002-0000 301832-01001 Man-UG Cond & Devices	2	87.4 10/23/2018 10/23/2018 8830-4001044 96.9 10/23/2018 10/23/2018 8830-590290	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover	WIRE, 4/D AWG CU, 29 STRAND, SNGL COND. 60 MILS INSUL.
36700-0003-0020-0000-201823-01001 Mat-UG Cord & Devices 36700-0003-0002-0000-201823-01001 Mat-UG Cord & Devices	2	56.76 10/23/2018 10/23/2018 8830-5980862	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	CROSCAPAD, DISTRIBUTION, 205T X 3-JAINN X 4-JAINN 8 PIN LINK, DISTRIBUTION ABY, 1910, LG, 15000038 LAMP, STRING, 15-10-565 KJ, 1 LOCT INSULATOR, PCKY, VISC TOP HENCHIX 8P9-15VTP
36700-0001-0002-0000 301822-01001 Man-UG Cond & Devices 36700-0001-0002-0000 301822-01001 Man-UG Cond & Devices 36700-0001-0002-0000 301822-01001 Man-UG Cond & Devices	2 2	74.4 10/23/2018 10/23/2018 8820-5985783 97.44 10/23/2018 10/23/2018 8820-9387113 -0.12 10/63/2018 10/64/2018	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	CLAMP, STRN,DE, 3/D-SSE,S AL, 1 U-BOLT INSULATOR, POLY, VISE TOP HENDRIX HPI-LSVTP
36709-0001-0002-0000 301832-01001 Mat-UG Cord & Devices 36709-0001-0002-0000 301832-01001 Mat-UG Cord & Devices	2 IVARCT00040389 2 IVARCT00040389	74.4 10/23/2018 10/23/2018 8830-5985783 97.44 10/23/2018 10/23/2018 8830-9387113 -0.12 10/24/2018 10/23/2018 -0.66 10/24/2018 10/24/2018	\$\(I/\)\(I/\)\	GL2 N Main St UG	Register G. J. Effect burder clash les. Manie F. Harmone F. Register G. G. Affect burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Harmone Register G. J. Brett burder clash les. Manie F. Manie F. Manie F. Manie F. Manie F. J. Brett Brett F.	
\$2000.0001.0002.0000.00018123-010001 Met-UG Conel & Devices 1,4000.0001.0001.000180123-01000 Met-UG Conel & Devices 1,4000.0001.000180123-01000 Met-UG Conel & Devices 1,4000.0001.000180123-01000 Met-UG Conel & Devices 1,4000.0001.00018000.000180123-01000 Met-UG Conel & Devices 1,4000.0001.00018000.000180123-01000 Met-UG Conel & Devices 1,4000.0001.00018000.000180123-01000 Met-UG Conel & Devices 1,4000.00018000.000180123-01000 Met-UG Conel & Devices 1,4000.00018000.000000.000180123-01000 Met-UG Conel & Devices 1,4000.00018000.00000.00000.00000000000000	4 IVANCIODADAN	170,000.00 8/1,7018 8/1,7018 8810-1MEERV 6,262.00 8/6/2018 8/9/2018 8810-TMEEWO	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	62 Y Main's UG 62 Y Main's UG 62 Y Main's UG 63 Y Main's UG 63 Y Main's UG 64 Y Main's UG 65 Y Main's UG 65 Y Main's UG 65 Y Main's UG 65 Y Main's UG 66 Y Main's UG 67 Y Main's UG 68 Y M	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	
36700-0001-0006-0000 301832-01001 Vou-UG Cond & Devices 36700-0001-0006-0000 301832-01001 Vou-UG Cond & Devices	4 DELIVERY CHARGE	6,262.00 8/6/2018 8/9/2018 8810-TREEWO 165 8/17/2018 8/17/2018 8810-SHECON DELIVERY CHARGE	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG TREEWORKS LTD GL2 N Main St UG SHEA CONCRETE PRODUCTS	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	
36700-0001-0004-0000 301822-01001 Vou-UG Cond & Devices 36700-0001-0004-0000 301822-01001 Vou-UG Cond & Devices 36700-0001-0004-0000 301822-01001 Vou-UG Cond & Devices	4 4 DRUM DEPOSIT	165 8/17/2018 8/13/2018 8810-SHECON DELIVERY CHARGE 268/200.00 8/13/2018 8/20/2018 8810-SHECON DELIVERY CHARGE 6,600.00 8/20/2018 8/20/2018 8810-SHECON DELIVERY CHARGE 7.000.000 8/20/2018 8/20/201	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG L & M SERVICE CONTRACTORS, LLC	Replace 6L2 direct buried cables No. Main St. Hanover Benlace 6L2 direct buried cables No. Main St. Hanover	
36700-0001-0008-0000 201822-01001 Vou-UG Cond & Devices 36700-0001-0008-0000 201822-01001 Vou-UG Cond & Devices	A		1/1/1800 Construction Work in Progress 8820-1822 1/1/1900 Construction Work in Progress 8820-1822	GL2 N Main St UG ANTHONY STRABONE GL2 N Main St UG AMERICAN CRANE COMPANY	Replace 6L2 direct buried cables No. Main St. Hanover	
36700-0001-0004-0000 301832-01001 Vou-UG Cond & Devices 36700-0001-0004-0000 301832-01001 Vou-UG Cond & Devices	4 B HOUR CRANE RENTAL TO OFFLOAD 4 BIGGER FOR BIR	1,660.00 8/21/2018 8/21/2018 8810-AMECRA CRANE RENTAL 680 8/21/2018 8/21/2018 8810-AMECRA RIGGER	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG AMERICAN CRANE COMPANY GL2 N Main St UG AMERICAN CRANE COMPANY	Replace 62.2 direct buried cables No. Main St. Hanover Replace 62.2 direct buried cables No. Main St. Hanover	
### (ADD) 0001-0009-0000 ADD ### (ADD) 0001-0009 ### (ADD) 0001-0009-0009 ADD ### (ADD) 0001-0009-0009-0009-0009-0009-0009-0009	4 RIGGER FOR BIR 4 B HOUR CRANE SENTAL TO OFFLOAD 5 DELIVERY CHARGE 6 RIGGER FOR BIR 6 DRUM DEPOST	660 8/21/2018 8/21/2018 8810-AMRCDA RIGGER 0 8/15/2018 8/21/2018 8810-AMRCDA CAME SINTEAL 0 7/22/2018 8/22/2018 8810-AMRCDA CAME SINTEAL 0 8/15/2018 8/22/2018 8810-AMRCDA RIGGER 0 8/14/2018 8/22/2018 8810-AMRCDA RIGGER 0 8/14/2018 8/22/2018 8/20-AMRCDA RIGGER	1/1/100 Construction Work in Progress 8820-1822	G2.3 No. No. 15 LUG AMERICAN CRANE COMPANY G2.3 No. 15 LUG AMERICAN CRANE COMPANY G2.3 No. 15 LUG SERA CONCRETE PRODUCTS G2.3 No. 15 LUG AMERICAN CRANE COMPANY G2.3 No. 15 LUG AMERICAN CRANE COMPANY G2.3 No. 15 LUG AMERICAN L. PURIETY CO., INC.	Replace 6.2 direct burind cases No. Nain Sr. Hanover Replace 6.2 direct burind cables No. Main Sr. Hanover Replace 6.2	
36700-0001-0004-0000 301832-01001 Vou-UG Cond & Devices	4 RIGGER FOR BHR	0 8/15/2018 8/23/2018 8810-AMECRA RIGGER	1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG AMERICAN CRANE COMPANY	Replace 6L2 direct buried cables No. Main St. Hanover	
36700-0001-0004-0000 301832-01001 Vou-UG Cond & Devices 36700-0001-0004-0000 301832-01001 Vou-UG Cond & Devices	4 DRUM DEPOSIT 4		1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832		Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	
\$1000.000.0004.0004.0002 \$100128-91002\$ \$1000-\$10004.0004.0002\$ \$100128-91002\$ \$1000-\$10004.0004.0002\$ \$100000000000000000000000000000000	1	547 8/16/2018 8/21/2018 8810-X-RCONSTRU 1,111.55 8/79/2018 8/21/2018 8810-X-RCONSTRU 1,945.50 8/21/2018 8/21/2018 8810-X-RCONSTRU 5/200.0010 8/21/2018 8/21/2018 5/200.0010 8/21/2018 8/21/2018		GL2 N Main SEUG JER CONSTRUCTION CO INC GL2 N Main SEUG JER CONSTRUCTION CO INC GL2 N Main SEUG GL2 N Main SEUG	Replace 6L2 direct buried cables No. Main St. Hanover Bandara 6L2 direct buried rables No. Main St. Hanover	
36700-0001-0004-0000 301832-01001 Vou-UG Cond & Devices	4 ACCRUAL -AP 4 ACCRUAL - ENGINEERING AS 4 ACCRUAL - AP	1111.55 AFRICATION AND APPLICATION APPLICATION AND APPLICATION APPLICATION AND APPLICATION APPLICA	1/1/100 Construction Work in Progress 880-2432 1/1/100 Construction Work in Progress 880-2432 1/1/100 Construction Work in Progress 880-882 1/1/100 Construction	GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover	
36700-0001-0006-0000 301832-01001 Vou-UG Cond & Devices	4 ACCRUAL - AP 4 ACCRUAL - ENGINEERING AS	-5,965.00 8/1/2018 9/1/2018	9/1/2018 Construction Work in Progress 8830-1832	GL2 N Main St UG	Replace 622 direct buried cables No. Main St. Hanover	
36700-0001-0004-0000 201822-01001 Vou-UG Cond & Devices 36700-0001-0004-0000 301822-01001 Vou-UG Cond & Devices 36700-0001-0004-0000 301822-01001 Vou-UG Cond & Devices		-92,000.00 9/1/2018 9/1/2018 5,965.00 8/23/2018 9/6/2018 8810-4DATRA	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG GL2 N Main St UG ADA TRAFFIC CONTROL	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	
36700-0001-0006-0000 301832-01001 Vou-UG Cond & Devices 36700-0001-0006-0000 301832-01001 Vou-UG Cond & Devices	4 INSTALLATION OF 1000MCM CU 15K 4 INSTALLATION OF 1000MCM CU 15K	-5,65.0.00 97,70288 97,12038 9	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	62 N Main St UG ELECCOMM CORPORATION CONTRACTOR 62 N Main St UG ELECCOMM CORPORATION CONTRACTOR	Replace 6L2 direct buried cables No. Main St. Hanover Benlace 6L2 direct buried cables No. Main St. Hanover	
36700-0001-0004-0000 301822-01001 Vou-UG Cond & Devices 36700-0001-0004-0000 301822-01001 Vou-UG Cond & Devices 36700-0001-0004-0000 301822-01001 Vou-UG Cond & Devices	4	40,008.33 9/12/2018 9/12/2018 BEID-GLECOR INSTALLATION SERVICES 9,235.00 6/27/2018 9/18/2018 BEID-HOREMS 5,565.00 9/15/2018 9/18/2018 BEID-HOREMS	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	6L2 N Main St UG HORIZONS ENGINEERING INC.	Replace 6L2 direct buried cables No. Main St. Hanover	
36600-0001-0000-0000 301832-01001 Vou-UG Conduit	1		1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG JOHN TORNER CONSULTING, INC.	Replace 6L2 direct buried cables No. Main St. Harnover Replace 6L2 direct buried cables No. Main St. Harnover	
3600-0001-0004-0000 201822-01001 Vou-UG Conduit 3600-0001-0004-0000 301822-01001 Vou-UG Conduit 3600-0001-0004-0000 301822-01001 Vou-UG Conduit	4	3,780.00 8/13/2018 9/20/2018 8810-ADATRA 2,270.00 9/6/2018 9/20/2018 8810-ADATRA	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	QL IN Mains 16 UG QL IN Mains 1	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	
3660-0001-0004-0000 301832-01001 Vou-UG Conduit		3,549.00 9/6/2018 9/20/2018 8810-ADATRA	1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG ADA TRAFFIC CONTROL	Replace 6L2 direct buried cables No. Main St. Hanover	
3600-0001-0008-0000 201822-01001 Visu-UG Conduit 36700-0001-0008-0000 201822-01001 Visu-UG Cond & Devices 36700-0001-0008-0000 201820-01001 Visu-UG Cond & Devices 36700-0001-0008-0000 201822-01001 Visu-UG Cond & Devices	i	760 9/14/2018 9/20/2018 8810-HUNTERNORT	1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG HUNTER NORTH ASSOCIATES LLC	Replace 6L2 direct buried cables No. Main St. Hanover	
	1	2,548.00 (9(2,008 92)2,008 8830-ACATRA 280 (9(2,008 92)2,008 8830-ACATRA 700 (91,47,008 92)2,008 8830-ACATRACORT 930.04 8/74,008 92)2,008 8830-AGENERORY 930.04 8/74,008 92)2,008 8830-AGENERORY 2,270.00 8/12,008 872,008 8830-ACATRACORT	1/1/1900 Construction Work in Progress 8820-1822 1/1/1900 Construction Work in Progress 8820-1822	62.2 N. Main SE UG ADA TRAFFIC CONTROL 62.2 N. Main SE UG HUNTER NORTH ASSOCIATES LLC 62.2 N. Main SE UG HUNTER NORTH ASSOCIATES LLC 62.2 N. Main SE UG ASFUNDANT FREE EXPERT CO 62.2 N. Main SE UG ADA TRAFFIC CONTROL 1.	Applicated 2 and the coloration in March 20 Marc	
	4				Replace 6.2 direct burind casels No. Main Sr. Hanover Replace 6.2 direct burind cables No. Main Sr. Hanover Replace 6.2	
36709-0001-0004-0009 201812-01001 Visu-UI-C cand & Devices 26709-0001-0004-0009 201812-01001 Visu-UI-C cand & Devices 26709-0001-0004-0000 201812-01001 Visu-UI-C cand & Devices 26709-0004-0004-0004-0004-0004-0004-0004-0	4 INSTALLATION OF 1000MCM CU 15K	1,035.01 9/14/2018 9/23/2018 8810-4GFLUNDH 40,008.32 9/14/2018 9/23/2018 8810-4GCDR INSTALLATION SERVICES -2,270.00 8/12/2018 9/23/2018 8810-4DATRA 40,000.00 9/32/2018 9/23/2018 8810-4DATRA	\(\lambda \frac{1}{1/1}\$100 Construction Work in Progress \)	GL 1 Main SE LIG. ASPLUNCENT TREE DIFFERT CO GL 2 N Main SE LIG. ELECCOMM CORPORATION CONTRACTOR GL 3 N Main SE LIG. ADA TRAFFIC CONTROL GL 3 N Main SE LIG. GL 3 N Main SE LIG.	Replace 6.2 direct buried cables No. Main St. Hanover Burders 6.2 direct buried cables No. Main St. Hanover	
36700-0001-0006-0000 301822-01001 Vos-UG Cond & Devices 36700-0001-0006-0000 301822-01001 Vos-UG Cond & Devices	4 ACCRUAL - ENGINEERING 4 ACCRUAL - ENGINEERING	40,000.00 9/30/2018 9/30/2018 8810-40A19A 40,000.00 9/30/2018 9/30/2018 160,000.00 9/30/2018 9/30/2018	1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover	
	4 ACCRUAL - ENGINEERING 4 ACCRUAL - ENGINEERING 4 ACCRUAL - ENGINEERING	160,000.00 9/30/2018 9/30/2018 -40,000.00 10/1/2018 10/1/2018	4/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG	repecte 6.2 direct duried cables No. Main St. Hanover Replace 6.2 direct buried cables No. Main St. Hanover	
36700-0001-0004-0000 301832-01001 Vou-UG Cond & Daviors 36700-0001-0004-0000 301832-01001 Vou-UG Cond & Daviors 36700-0001-0004-0000 301832-01001 Vou-UG Cond & Daviors	4 ACCRUAL - ENGINEERING 4		1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	62 N Main St UG 62 N Main St UG 62 N Main St UG L & M SERVICE CONTRACTORS, LLC	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried rables No. Main Cr. Hanover	
36700-0001-0004-0000 301822-01001 Vou-UG Cond & Devices 36700-0001-0004-0000 301822-01001 Vou-UG Cond & Devices 36700-0001-0004-0000 301822-01001 Vou-UG Cond & Devices	i	\$9,000.00 9(4)7008 10(5)7018 8810-LMSERV 1,504.00 9(72)7018 10(1)70308 8810-ADATRA 992 9(74)7018 10(1)70308 8810-ADATRA 992 9(74)7018 10(1)70308 8810-ADATRA	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	62.2 N Main St UG L & M SERVICE CONTRACTORS, LLC 62.2 N Main St UG ADA TRAFFIC CONTROL 63.2 N Main St UG ADA TRAFFIC CONTROL	Replace 62.2 direct buried cables No. Main St. Hanover Replace 62.2 direct buried cables No. Main St. Hanover	
36700-0001-0000-0000-301832-01001 Vou-UG Cond & Devices 36700-0001-0000-0000-301832-01001 Vou-UG Cond & Devices	4	992 9/24/2018 10/9/2018 8810-ADATRA 136,800.00 9/4/2018 10/9/2018 8810-LMSERV	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 NI Main SE UG. AMA TRAVERIC CONTROL. GL2 NI Main SE UG. LAM SERVINE CONTRACTORS, LLC GL2 NI Main SE UG. AMA TRAVERIC CONTROL. GL2 NI Main SE UG. AMA TRAVERIC CONTROL. GL2 NI Main SE UG. SAFELINENT RESE EDVERT CO. GL2 NI Main SE UG. SHEA CONCRETE PRODUCTS GL3 NI Main SE UG. SHEA CONCRETE PRODUCTS GL3 NI MAIN SE UG. SHEA CONCRETE PRODUCTS	Replace G.2 direct buried cables No. Main St. Harover Replace G.2 direct buried cables No. Main St. Marover Replace G.2 direct buried cables No. Main St. Marover No. Main St. Marover	
36700-0001-0006-0000 301832-01001 Vou-UG Cond & Devices 36600-0001-0006-0000 301832-01001 Vou-UG Conduit	4	136,800.00 9(27)008 10(3(27)08 810.04KEV 2,090.00 9(17)7008 10(17)7038 810.04KEV 768 9(27)7008 10(17)7038 810.04KEV	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St. UG ADA TRAFFIC CONTROL GL2 N Main St. UG ASPLUNDH TREE EXPERT CO	Replace 6.2 direct buried cables No. Main St. Hanover Replace 6.2 direct buried cables No. Main St. Hanover	
36700-0001-0004-0000 301832-01001 Vos-UG Cond & Devices 36700-0001-0004-0000 301832-01001 Vos-UG Cond & Devices 36700-0001-0004-0000 301832-01001 Vos-UG Cond & Devices	4 DELIVERY CHARGE 4 DELIVERY CHARGE 4 DELIVERY CHARGE	365 10/18/2018 10/18/2018 8810-9HCON DELIVERY CHARGE 1378,000 10/18/2018	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	62 N Main St UG SHEA CONCRETE PRODUCTS 62 N Main St UG SHEA CONCRETE REPORTER	Replace GL2 direct buried cables No. Main St. Hanover Replace GL2 direct buried cables No. Main St. Hanover Replace GL2 direct buried cables No. Main St. Hanover	
14000 0003 0004 0000 700123 -01001 Verwid-Cord & Enviews 14000 0003 0000 700123 -01001 Verwid-Cord & Enviews 14000 0003 0000 700124 -01001 Verwid-Cord & Enviews 14000 0003 0000 700124 -01001 Verwid-Cord & Enviews 14000 0003 0000 700124 -01001 Verwid-Cord & Enviews 14000 0003 0000 700123 -01001 Verwid-Cord & Enviews 14000 0003 0000 700123 -01001 Verwid-Cord & Enviews 14000 0003 0000 700123 -01001 Verwid-Cord & Enviews 14000 0003 00000 700000 7	4 DELIVERY CHARGE 4 DELIVERY CHARGE	1,770.00 10/18/2018 10/18/2018 8810-91CON DELIVERY CHARGE 0 9/28/2018 10/18/2018 8810-91CON DELIVERY CHARGE	1/1/1900 Construction Work in Progress 8830-1832	6L2 N Main St UG SHEA CONCRETE PRODUCTS	Replace 6L2 direct buried cables No. Main St. Hanover	
36700-0001-0006-0000 301832-01001 Vou-UG Cond & Devices 36600-0001-0006-0000 301832-01001 Vou-UG Conduit	6 DELIVERY CHARGE 6	3,054.00 9/6/2018 10/25/2018 8810-ADATRA	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG SHEA CONCRETE PRODUCTS GL2 N Main St UG ADA TRAFFIC CONTROL	Replace GL2 direct buried cables No. Main St. Hanover Replace GL2 direct buried cables No. Main St. Hanover	
36600-0001-0006-0000 201832-01001 Vou-UG Conduit 36600-0001-0006-0000 201832-01001 Vou-UG Conduit	4 4	1,010.00 9/24/2018 11/20/2018 8810-ADATRA 1,760.00 10/15/2018 11/20/2018 8810-ADATRA	1/1/1900 Construction Work in Progress 8830-1832		Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	
36600-0001-0004-0000 201832-01001 Vos-UG Conduit	4 April to 201477 01001	1,422.00 10/11/2018 11/20/2018 8810-ADATRA	1/1/1900 Construction Work in Progress 8830-1832	62 N Main St UG ADA TRAFFIC CONTROL 62 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover	
\$1600 0000 -0004 -0000 201822 -01001	4 Reci to 301832-01001 4 Reci to 301832-01001 4 ACCRUAL - ENGINEERING	1,740,00 10/15/2018 11/20/2018 8810-ACATEA 1,432,00 10/11/2018 11/20/2018 8810-ACATEA 275.5 12/20/2018 12/20/2018 8810-ACATEA 1,941.00 12/20/2018 12/20/2018 20/20/00 12/21/2018	2.7.1/2000 Construction Work in Progress 8820-2822 2.7.1/2000 Construction Work in Progress 8820-2822	ILL IN NOBER DU MAN POPPINI CONTROLL ILL IN NOBER SE UIT AND TRANSFEC CONTROLL ILL IN NOBER SE UIT AND TRANSFEC CONTROL ILL IN NOBER SE UIT	Replace 6.2 direct buried cables No. Main St. Hanover Replace 6.2 direct buried cables No. Main St. Hanover	
36700-0001-0006-0000 301832-01001 Vou-UG Cond & Devices 00000-0000-0006-6001 301832-01001 Labor Burden	4 ACCRUAL - ENGINEERING 6 Alloc 3018-880 - JUN 18	20,000.00 12/31/2018 12/31/2018 1,814.57 7/16/2018 7/16/2018	1/1/2900 Construction Work in Progress 8830-1832 7/16/2018 Construction Work in Progress 8830-1832	GL2 N Main St UG GL2 N Main St UG		
00000-0000-0006-6006 201822-01001 NH Management Burden 00000-0000-0006-6007 201822-01001 LU Consorate Burden	G Alloc 2018-LAB - JUNE 18 G Alloc 2018-LU - JUNE 18	744.61 7/16/2018 7/16/2018 124.98 7/16/2018 7/16/2018	7/16/2028 Construction Work in Progress 8830-3832 7/16/2028 Construction Work in Progress 8830-1837	GL2 N Main St UG GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	
## 1000-0001-0009-0000-0001-011812-01001 ## 1000-0000-0000-0000-0001-011812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0001-011812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 100000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-0000-001812-01001 ## 10000-0000-0000-0000-0000-0000-0000-0	6 Aloc 3018-RRD - JUN 18 6 Aloc 3018-LRB - JUNE18 6 Aloc 3018-LU - JUNE18 6 Aloc 3018-RRD - JUL 18 6 Aloc 3018-RRD - JUL 18 6 Aloc 3018-RRB - JULY18	1,834.57 7/14/2018 7/14/2018 7/14/2018 7/14/2018 7/14/2018 7/14/2018 7/14/2018 7/14/2018 7/14/2018 7/14/2018 7/14/2018 7/14/2018 1.552.26 8/14/2018 8/14/2018 8/14/2018 8/14/2018 8/14/2018	7/16/2028 Construction Work in Progress 8820-2822 7/16/2028 Construction Work in Progress 8820-2822 7/16/2028 Construction Work in Progress 8820-2822 8/10/2028 Construction Work in Progress 8820-2822 8/10/2028 Construction Work in Progress 8820-2822 8/10/2028 Construction Work in Progress 8820-2822	GL2 N Main St UG GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	
00000-0000-0006-6006 201832-01001 NH Management Burden 00000-0000-0006-6007 201832-01001 LU Corporate Burden		51.23 8/10/2018 8/10/2018	8/10/2018 Construction Work in Progress 8830-1832 8/10/2018 Construction Work in Progress 8830-1832	sc.z n Main St UG 6L2 N Main St UG	неркасе GL2 direct buried cables No. Main St. Hanover Replace GL2 direct buried cables No. Main St. Hanover	
24202 0002 0001 0001 201832 01001 Labor Burden COD	6 Aloc 3018-880 - AUG18	17,020.05 9/13/2018 9/13/2018 5.40.57 9/13/2019 9/13/2019	9/13/2018 Construction Work in Progress 8830-1832	62.2 N Main St UG 62.2 N Main St UG 62.2 N Main St UG	Replace 6.2 direct turied cables No. Main St. Hanover Replace 6.2 direct buried cables No. Main St. Hanover Replace 6.2 direct buried cables No. Main St. Hanover Replace 6.2 direct buried cables No. Main St. Hanover	
00000-0000-0006-6006 201222-01001 NH Management Burden	6 Allo: 2018-LAB - AUG18	148,245.79 9/14/2018 9/14/2018	9/14/2018 Accused cost of removal 8840-1812 9/14/2018 Construction Work in Progress 8820-1832 9/14/2018 Accused cost of removal 8830-1832 9/14/2018 Accused cost of removal 8830-1832	62 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover	
20000-0000-0006-0006 1001823-01000 MM Management Burden 00000-0000-0006-0007 100182-01000 MM Management Burden 100000-0000-0006-0007 100182-01000 MM Management Burden 10000-0000-0000-0006-0007 100182-01000 MM Management Burden - COR 00000-0000-0006-0000 100182-01000 MM Management Burden - COR 00000-0000-0006-0000-0006-0000 100182-01000 MM Management Burden - COR 00000-0000-0006-0006-0000-0000-0000-00	G Alloc 2018 LAB - ALIG18 G Alloc 2018 LU - ALIG18 R G Alloc 2018 LAB - ALIG18	148,345.79 99/4/2018 97/4/2018 12,875.29 98/4/2018 62,104 97/4/2018 97/4/2018 72,44 97/4/2018 97/4/2018 10,001.00 100/17/2018 10,07/2/2018 10,001.00 100/17/2018 10,07/2/2018 11,1446.81 98/17/2018 10,07/2/2018	9/14/2028 Construction Work in Progress 8820-1832 9/14/2028 Construction Work in Progress 8830-1832 9/14/2028 Accrued cost of removal 8830-1832	GL2 N Main St UG GL2 N Main St UG GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	
24209-0003-0006-6007 201822-01001 LU Corporate Burden - COR 00000-0000-0006-6001 201822-01001 Labor Burden	G Alloc 2018-LU - AUG18 G Alloc 2018-BRD - SEPT18	77.4-6 9/4/7003 9/4/2003 20/692.00 10/12/7003 10/12/7003 11/66.63 10/12/7003 10/12/7003 11/66.63 10/12/7003 10/12/7003	9/14/2018 Accrued cost of removal 8830-1832 10/12/2018 Construction Work in Processor 8830-1832	GL2 N Main St UG GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried rables No. Main Gr. I************************************	
00000-0000-0000-0001 201822-01001 1350* Burden 00000-0000-0000-6002 201832-01001 Scores Burden	6 Alloc 2018-500 - SEPT18 6 Alloc 2018-570 - SEPT18	11,968.63 10/12/2018 10/12/2018	10/12/2018 Construction Work in Progress 8830-1832	6.2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover	
00000 00000-00006-62006 201822-01001 MM Management Bunden 00000 00000-00006-6207 201812-01000 Lib Corporate Bunden 24000 00000-0006-62001 201820-01000 Lib Corporate Bunden - COR 24000 00000-0006-6200 201812-01000 MM Management Bunden - COR 24000 00000-0006-62007 201812-01000 Li Corporate Bunden - COR	6 Aloc 3018-LAB - SEPTIB 6 Aloc 3018-LU - SEPTIB 6 Aloc 3018-BRD - SEPTIB 8 6 Aloc 3018-LB - SEPTIB 6 Aloc 3018-LU - SEPTIB	33,994.61 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008 10/12/2008	\$914,02038 Accused cost of removal 8830-3822 (1972) (1974)	GL 70 Mains St UG	Replace & 2 direct buried cables No. Main S. Harover Replace & 2 direct buried cables No. Main S. Harover Replace & 2 direct buried cables No. Main S. Harover Replace & 2 direct buried cables No. Main S. Harover Replace & 2 direct buried cables No. Main S. Harover Replace & 2 direct buried cables No. Main S. Harover Replace & 2 direct buried cables No. Main S. Harover Replace & 2 direct buried cables No. Main S. Harover Replace & 2 direct buried cables No. Main S. Harover Replace & 2 direct buried cables No. Main S. Harover Replace & 2 direct buried cables No. Main S. Harover Replace & 2 direct buried cables No. Main S. Harover Replace & 2 direct buried cables No. Main S. Marover Main S. Marover Main S. Marover Replace & 2 direct buried cables No. Main S. Marover Main S. Marover Main S. Marover Replace & 2 direct buried cables No. Main S. Marover Marover & Marover Marover & Marover Marover & Marover Marover & Marover Marover & Marover Marover & Marover Marover Marover & Marover Marover & Marover Marover & Marover Marover Marover & Marover Marover & Marover Marover & Marover Marover Marover & Marover Marover & Marover Marover Marover Marover & Marover Mar	
24200-0003-0006-6001 201822-01001 Labor Burden - COR 24200-0003-0006-6006 201822-01001 NH Management Burden - COR	G Alloc 2018-080 - SEPT18 IR G Alloc 2018-LAB - SEPT18	3,173.50 10/12/2018 10/12/2018 347.67 10/12/2018 10/12/2018	10/12/2018 Accrued cost of removal 8830-1832 10/12/2018 Accrued cost of removal 8830-1833	GL2 N Main St UG GL2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover Replace 6L2 direct buried cables No. Main St. Hanover	
24205-0003-0006-6007-201832-01001 LU Corporate Burden - COR	6 Alloc 2018-LU - SEPTIB	50.75 10/12/2018 10/12/2018 50.73 10/12/2018 10/12/2018 962.45 11/26/2018 11/26/2018	10/12/2018 Accrued cost of removal 8830-1832	6.2 N Main St UG	Replace 6L2 direct buried cables No. Main St. Hanover	
00000-0000-0006-0002 301832-01001 Stores Burden	6 Aloc 2018-510 - OCT18	28.14 11/26/2018 11/26/2018	11/26/2018 Construction Work in Progress 8830-1832	GL2 N Main St UG	Replace 622 direct buried cables No. Main St. Hanover Replace 622 direct buried cables No. Main St. Hanover	
00000-00000-00006-6001 201822-01001 Labor Burden 00000-0000-0006-6000 201812-01000 Scores Burden 00000-0000-0006-6006 201812-01000 Nel Management Burden 00000-0000-0006-6006 20182-01000 LU Corporate Burden 00000-0000-0006-6006 20182-01000 Nel Management Burden	G ABoc 3018-LAB - OCT18 G ABoc 3018-LU - OCT18	963.45 \$1,734,7008 \$1,734,7008 \$1,734,7008 \$1,734,7008 \$1,734,7008 \$1,734,7008 \$1,734,7008 \$1,737,7008 \$1,737,7008 \$1,737,7008 \$1,737,7008 \$1,737,7008 \$1,737,7008 \$1,737,7008 \$1,737,7008 \$1,737,7008 \$1,737,7008 \$1,737,7008	11/27/2018 Construction Work in Progress 8830-1832 11/27/2018 Construction Work in Progress 8830-1832	sc.z n Main St UG 6L2 N Main St UG	неркасе GL2 direct buried cables No. Main St. Hanover Replace GL2 direct buried cables No. Main St. Hanover	
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00000-0000-0006-6001 201822-01001 Labor Burden 00000-0000-0006-6006 201822-01001 NH Management Burden	6 Reci to 301832-01001 6 Reci to 301832-01001	23,073.42 12/28/2018 12/28/2018 6/029.84 12/28/2018 12/28/2018	1/1/1900 Construction Work in Progress 8830-1832 1/1/1900 Construction Work in Progress 8830-1832	GL2 N Main St UG GL2 N Main St UG	Replace 6.2 direct buried cables No. Main St. Hanover Replace 6.2 direct buried cables No. Main St. Hanover	
00000-0000-0000-0000 201822-01001 III Corporate Burden 42700-0000-0000-0000 201822-01001 III Corporate Burden	6 Reci to 201822-01001 9 8830 AFUDC ULLY 18 9 8830 AFUDC AUG 18	1,021,09 12,721,7018 12,723,7018 1,021,09 12,00	1/1/1900 Construction Work in Progress 8830-1832 8/13/2008 Construction Work in Progress 8830-1832 8/13/2018 Construction Work in Progress 8830-1832 9/14/2018 Construction Work in Progress 8830-1832	6L2 N Main St UG 6L2 N Main St UG 6L2 N Main St UG	Replace 6.2 direct turied cables No. Main St. Hanover Replace 6.2 direct turied cables No. Main St. Hanover Replace 6.2 direct turied cables No. Main St. Hanover Replace 6.2 direct turied cables No. Main St. Hanover	
00000-0000-0005-0007-1001823-010001 LIU Corporates Busiden 00000-0000-0005-0001-101823-01001 00000-0000-0005-0001-101823-01001 40000-0000-0000-0000-001823-01001 47700-0000-0000-0000-001823-01001 47700-0000-0000-0000-001823-01001 47700-0000-0000-0000-001823-01001 47700-0000-0000-0000-001823-01001 47700-0000-0000-00000-001823-01001 47700-0000-0000-0000-001823-01001 47700-0000-00000-0000-001823-01001 47700-0000-0000-0000-001823-01001 47700-0000-0000-0000-001823-01001	9 BESO AFUDC AUG 18	19.49 8/13/2018 8/13/2018 1,584.66 9/14/2018 9/14/2018 1,737.33 12/28/2018 12/28/2018	#/-4/JUSE Construction Work in Progress 8830-1832 9/14/2028 Construction Work in Progress 8830-1832	GL2 N Main St UG	Replace 62.2 direct buried cables No. Main St. Hanover Replace 62.2 direct buried cables No. Main St. Hanover Benlace 62.2 direct buried cables No. Main St. Manover	
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Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 1

Date Request Received: 10/18/19

Request No. Staff TS 1-15

Date of Response: 11/1/19

Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Re: Staff 9-3; Project 8830-1832 Replace 6L2 Direct Buried Cables No. Main St. Hanover. Please provide the following for this project:

- a. Failure reports and inspection reports for this XLPE AL cable and others deployed in Liberty's service territory.
- b. Change Order/Over Expenditure forms.
- c. Work Orders/spreadsheet #'s 301832-0100, showing costs spent and dates...
- d. Explain why Section 3 of the Project Close Out Report is not filled out as required by the Policy and Procedures.
- e. CIAC for the project provided by Dartmouth College.
- f. Explain the difference between this project and 8830-1867 done in 2017.

RESPONSE:

- a. The cable is direct buried underground, thus failure reports and inspection reports do not apply because the only way to conduct these inspections it to dig up the cable. The only other option is to perform cable injection inspection, but the Company has not undertaken this type of inspection due to the cost.
- b. Please see Attachment Staff TS 1-15.b.
- c. Please see Attachment Staff TS 1-15.c.xlsx.
- d. Given that the business cases and other project documentation are readily available, and that the status of projects is discussed in the monthly review of capital projects that takes place in the capital budget meetings, the portion of Section 3 indicating the location of certain documents has not been viewed as critical to the overall project documentation. It is viewed as more important that the necessary documentation has been prepared and the approvals received.

e. This project was not the result of a request by Dartmouth College. Dartmouth was completing work in the area and the Company took advantage of the area construction to complete our work at the same time. The Company similarly takes advantage of opportunities to work with municipalities for gas line upgrades when the municipalities will be paving, which avoids the need to do underground work after paving has occurred.

f. Project 8830-1867 (Rockingham supply line to be located in Salem) and 8830-1832 (replacement of direct buried cables located in Hanover) are not related.

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 1

Date Request Received: 10/18/19

Request No. Staff TS 1-16

Date of Response: 11/1/19

Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Re: Staff 9-3; Project 8830-1865 Rockingham Station – Transmission Lines. Please provide the following for this project:

- a. Change Order/Over Expenditure forms.
- b. Work Orders/spreadsheet #'s 301767-01001, 301867-03002, and 301865-01001, showing costs spent and dates...
- c. Explanation of key design changes and engineering that caused the reason for the budget variance.

RESPONSE:

- a. Please see Attachment Staff TS 1-16.a.
- b. Please see Attachment Staff TS 1-16.b.1.xlsx and Attachment Staff TS 1-16.b.2.xlsx.
- c. The explanation for the cause of the budget variance can be found on the Change Order form in the section called Financial Assessment/Cost Estimates.

Docket No. DE 19-064 Attachment Staff TS 1-16.a Page 1 of 2





Change Order Form

			Project Overv	iew					
Reason for Change:									
Project ID:	8830-18	65		Project	Name:	Rockingha Transmiss	m Substation - ion Lines		
Change Order Name:	Rocking	ham Substation - Transi	mission Lines	Date Pr	repared:	03/19/19			
Change Order #:	1		Financi (FWO):	al Work Order	301767-01001				
Project Sponsor:	Charles	Rodrigues		Revised	Start Date:	01/01/18			
Project Lead:	Anthony	Strabone		Revised	End Date:	12/31/18			
Prepared By:	Anthony	Strabone		Change	Typelli	☑ In Scope ☐ Out of Scope			
Project Contingency Available?	⊠ Yes I	□ No.		If No is specify s funds ^{iv}	Selected, Please source of				
()	Double clic	Financial ik embedded excel file t	Assessment/Co to update; include	st Estimat e continge	tes ency allowance in e	excel file)			
Category	Category				Previous Ap				
Internal Labor (includi	ing labor				Entrod Ga				

Category	Original Project Value	Previous Approved Changes	Current Change Order Amount	Total
Internal Labor (including labor and travel)				
Materials (including consumables)				
Equipment (rental equipment)				
Contractor/Subcontractor (including consultants)				
Total	200,000.00		402,418.70	602,418,70

Updated Unlevered Internal Rate of Return:

Basis of Current Change Order Amount:

Additional costs occurred in 2018 were due to the completion of additional tasks such as LiDAR; Staking of structures in ROW; Borings in ROW for proposed structures; Preparation of Construction Cost Estimate and Preparation and submittal of necessary forms to obtain ISO-NE Approval.

Schedule Impacts (As a result of the Change Order, where applicable, List the Impacts to schedule)							
Baseline Schedule (BL)	New Forecast (NF)	Variance (BL - NF)					
N/A	N/A	N/A					

LUCo Change Order Form Page 1 Rev. 00



Change Order Form

Docket No. DE 19-064 Attachment Staff TS 1-16.a Page 2 of 2

2018

Approvals and Signatures

		Appr	oved By:	
Role	Approval Authority Limit	Name	Signature	Date
Manager / Staff (requisitioner/buyer):	Up to \$25,000	Anthony Strabone	Andliay Matou	3/28/19
Senior Manager: :	Up to \$50,000		U'	
Senior Director/Director:	Up to \$250,000	Charles Rodrigues Director, Engineering	Calodinas	3/31/19
State President / Senior VP / VP;	Up to \$500,000		0	
State President / Senior VP / VP:	Up to \$500,000	Susan Fleck President - LU NH	The	3/3/19
Regional President:	Up to \$3,000,000	James Sweeney President - East Region	James	3/31/19
Corporate - Sr VP Operations:	Up to \$5,000,000)0	
Corporate - Exec Team Member (CEO, CFO, COO, Vice Chair):	Over \$5,000,000			

¹ The Financial Work Order Section captures the work order this change falls under when the job was initially set-up

LUCo Change Order Form Page 2 Rev. 00

[&]quot;The Revised project end date is dependent on changes in scope that may deviate the schedule from the original plan

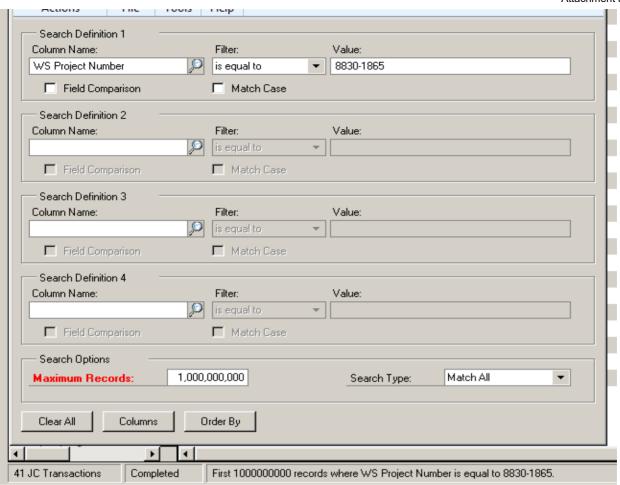
iii The Change type for In scope or Out of scope changes fall within the following scenario:

In Scope changes are deviations of scope from the original plan and approved budget that align to the original scope of the project but have revised pricing as a result of changes in pricing of labour, materials, and equipment

Out of Scope changes are scope changes that were not originally planned for in the project baselines and approved budget. Examples
of this type of change are related to changes in technology, missed deliverables, a change in the project design altering the scope of the
project, etc.

iv In cases where the project no longer has contingency to cover project change orders, please specify any other sources of funds that would address the project variance (i.e. not executing another project, delaying scope of another project, etc)

Y Approvals for work orders and purchase orders are subject to the limits set forth in the Approval Limits of Authority Policy owned and amended from time to time by the corporate procurement group.



Sum of Transaction Amount	Colum	n Labels							
Row Labels		1	2	4	5	6	9	Gra	and Total
AFUDC Clearing							\$ 5,499.82	\$	5,499.82
Labor Burden						\$ 6,176.45		\$	6,176.45
Labor-Install	\$	4,018.81						\$	4,018.81
LU Corporate Burden						\$ 10,689.82		\$	10,689.82
Mat-OH Cond & Devices			\$ 188,150.00					\$	188,150.00
NH Management Burden						\$ 64,448.93		\$	64,448.93
Out-OH Cond & Devices					\$ 37,859.78			\$	37,859.78
Stores Burden						\$ (1,694.36)		\$	(1,694.36)
Vou -Prelim Survey & Investig				\$ (1,526,241.00)				\$	(1,526,241.00)
Vou-OH Cond & Devices				\$ 215,875.31				\$	215,875.31
Vou-Poles/Tow/Equip				\$ 70,570.20				\$	70,570.20
Grand Total	\$	4,018.81	\$ 188,150.00	\$ (1,239,795.49)	\$ 37,859.78	\$ 79,620.84	\$ 5,499.82	\$	(924,646.24)

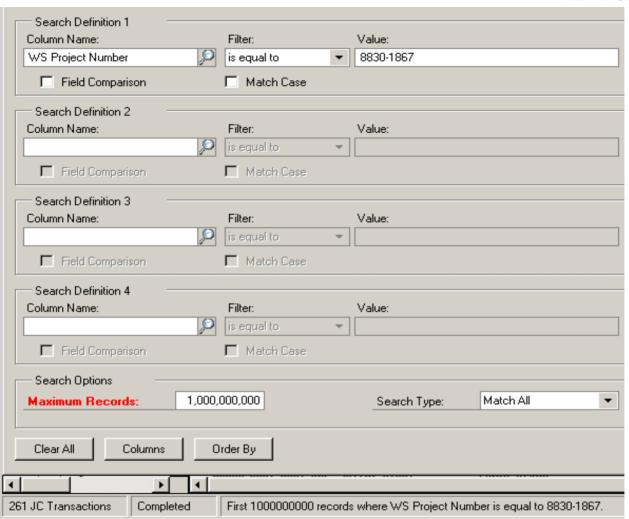
\$ \$ (1,526,241) includes land purchase and accrual

(26,241) when lines 2, 3 and 129 on tab 301767-01001 are made zero, under cost element 4

Cost Code String	WS Job Number	Cost Code Description	Cost Element	Transaction Description 4 Red Land from 301767-01001	Transaction Amount	Document Date 8/13/2018	GL Posting Date Vendor ID 8/13/2018	Item Number	Account Description	WS Job Name	Vendor Name	WS Description	ITEMDESC
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig		4 ACCRUAL AP	-1,350,000.00 -1,350,000.00	1/1/2018	1/1/2018		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000		You -Prelim Survey & Investig		4 Red to CWIP 301767-01001	-125,931.48	8/13/2018	8/13/2018		Preliminary Survey & Investigation Charges	Bockinsham SS Transmission Sun		Rockingham Substation Transmission Supply	
18300-0000-0004-0000	101767-01001	Vou -Prelim Survey & Investig		A ACCRISE AR HC	.18 995 76	3/1/2018	3/1/2018		Preliminary Survey & Investigation Charges	Sankinskam EF Teamentonian From		Residentian Education Transmission Francis	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		4 Red to CWIP 301767-01001	-17,562.00	10/10/2018	10/10/2018		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
36500-0001-0002-0000	301767-01001	Mat-OH Cond & Devices		2	-11,850.00	4/26/2018	8/17/2018 8810-PASONS		Construction Work In Progress	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
18300-0000-0004-0000		Vou -Prelim Survey & Investig		4 ACCRUAL - AP HC	-8,282.00	5/1/2018	5/1/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
36400-0001-0004-0000	301767-01001	Vou-Poles/Tow/Equip		4 ACCRUAL - ENVIRONMENTAL	-7,247.00	11/2/2018	11/2/2018		Construction Work in Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		4 ACCRUAL- AP PENDING	-5,605.76	2/1/2018	2/1/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000 16500-0001-0004-0000	301767-01001	Vou -Prelim Survey & Investig Vou-OH Cond & Desires		4 ACCRIGIT - ENVIRONMENTAL	-3,900.00 -2,715.00	5/22/2018	6/12/2018 8810-VHBENGINE	t .	Preliminary Survey & Investigation Charges Construction Work in Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	VHS ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
16500-0001-0004-0000	301767-01001	Vou -Prelim Survey & Investig		4 ACCRUAL- ENVIRONMENTAL 4 ACCRUAL- AP PENDING	-2,625.00 -2,625.00	2/1/2018	2/1/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		4 ALCRUAL AP PENDING	-2,625.00 -2,400.00	3/29/2018	5/23/2018 8810-PASONS		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000		You -Prelim Survey & Investig		4 ACCRUAL- AP POF	-2,150.00	4/1/2018	4/1/2018		Preliminary Survey & Investigation Charges	Rockinsham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	You -Prelim Survey & Investig		4 ACCRUAL AR PENDING	-1,750.00	2/1/2018	2/1/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0000-0006-6002	301767-01001	Stores Burden		4 ACCRUAL- AP PENDING 6 Alloc 3018-5TO - AUG18	-1,694.36	9/14/2018	2/1/2018 9/14/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
16500-0001-0004-0000		Vou-OH Cond & Devices		4 ACCRUAL - ENVIRONMENTAL	-1.678.00	10/1/2018	10/1/2018		Construction Work in Progress	Rockinsham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig		4 ACCRUAL- AP PENDING	-1,575.00 -1,200.00	2/1/2018 10/10/2018	2/1/2018 10/10/2018		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	You -Prelim Survey & Investig		4 Red to CWIP 301767-01001	-1,200.00	10/10/2018	10/10/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301767-01001	Labor-Install		1 ACCRUAL - PAYROLL	-1,174.15	10/1/2018	10/1/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301767-01001	Labor-Install		1 ACCRUAL - PAYROLL	-905.11	11/1/2018	11/1/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		4 Red to CWIP 301767-01001	-737	9/11/2018	9/11/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	You -Prelim Survey & Investig		4	-737	6/30/2018	10/16/2018 BB10-JPMCHASE		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	JP MORGAN CHASE BANK	Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig		4 ACCRUAL AP PENDING A ACCRUAL AP PENDING	-350	2/1/2018 2/1/2018	2/1/2018 2/1/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
									Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301767-01001	Labor-Install Labor-Install		1 ACCRUAL - PAYROLL 1 Red to CWIP 301767-01001	-243.41 -66.83	9/1/2018 9/11/2018	9/1/2018 9/11/2018		Construction Work in Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301707-01001	Labor-Install		1 ACCRIAL - PAYROLL	-66.83	12/1/2018	12/1/2018		Construction Work in Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
	301767-01001	Labor-Install		1 07/22/2018 to 08/04/2018	66.83	8/10/2018	8/10/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000		Labor-Install		1 08/05/2018 to 08/18/2018	66.83	8/24/2018	8/24/2018		Construction Work In Progress	Rockinsham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301767-01001	Labor-Install		1 Red to CWIP 301767-01001	66.83	9/11/2018	9/11/2018		Construction Work In Progress	Rockinsham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301767-01001	Labor-Install		1 10/14/2018 to 10/27/2018	66.83	11/2/2018	11/2/2018		Construction Work in Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
	301767-01001	Labor-Install		1 ACCRUAL - PAYROLL	66.83	11/30/2018	11/30/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301767-01001	Labor-Install		1 11/25/2018 to 12/08/2018	66.83	12/14/2018	12/14/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301767-01001	Labor-Install		1 12/09/2018 to 12/22/2018	66.83 69.85	12/28/2018 11/30/2018	12/28/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301767-01001	Labor-Install		1 11/11/2018 to 11/24/2018	69.85	11/30/2018	11/30/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
36500-0001-0005-0000 00000-0001-0001-0000	301767-01001	Out-Off Cond & Devices Labor-Install		5 1 08/05/2018 to 08/18/2018	76 121.71	11/2/2018 8/24/2018	11/2/2018 BB10-BRENTWOO B/24/2018	D	Construction Work In Progress Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	ROCKINGHAM COUNTY REGISTRY OF DEEDS	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301767-01001	Labor-Install		1 09/02/2018 to 09/15/2018 1 09/02/2018 to 09/15/2018	121.71	9/21/2018	9/21/2018		Construction Work in Progress Construction Work in Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
16500-0001-0001-0000		Vou-OH Cond & Devices		4 DISTRIBUTION LINE 2	121.71	9/27/2018	11/8/2018 8810-PASONS	DISTRIBUTION LINE 2	Construction Work in Progress Construction Work in Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
16500-0001-0004-0000	301767-01001	Out-OH Cond & Devices		4 DISTRIBUTION UNE 2	150	10/26/2018	11/80/2018 8810-PASONS 11/30/2018 8810-PASONS	DISTRIBUTION LINE 2	Construction Work in Progress Construction Work in Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
16500-0001-0005-0000	301767-01001	Out-OH Cond & Devices			163.5	12/3/2018	12/7/2018 8810-PRIORS	n	Construction Work in Progress Construction Work in Progress	Rockingham SS Transmission Sup	ROCKINGHAM COUNTY REGISTRY OF DEEDS	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0001-0001-0000		Labor-Install		1 09/16/2018 to 09/29/2018	200.49	10/5/2018	10/5/2018		Construction Work in Progress	Rockingham SS Transmission Sup	NOCKHAINMI COOM I READINI OF DEEDS	Rockingham Substation Transmission Supply	
16500-0001-0005-0000	301767-01001	Out-Off Cond & Devices		5	225	12/28/2018	12/31/2018 BB10-PASONS		Construction Work in Progress	Bockingham SS Transmission Sun	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
00000-0001-0001-0000		Labor-Install		1 ACCRUAL - PAYROLL	241.41	8/31/2018	8/31/2018		Construction Work in Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000		Labor-Install		1 08/19/2018 to 09/01/2018	243.42	9/7/2018	9/7/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	You -Prelim Survey & Investig		4	295	5/21/2018	5/23/2018 8810-SALEM		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	TOWN OF SALEM NH	Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	You -Prelim Survey & Investig		4 ACCRUAL- AP PENDING	300	1/31/2018	1/31/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
	301767-01001	You -Prelim Survey & Investig		4 ACCRUAL- AP PENDING	350	1/31/2018	1/31/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
36400-0001-0004-0000	301767-01001	Vou-Poles/Tow/Equip		4 ACCRUAL - ENVIRONMENTAL	456	12/31/2018	12/31/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0000-0006-6001		Labor Burden		6 Alloc 3018-BRD - SEPT18	473.45	10/12/2018	10/12/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301767-01001	Labor-Install		1 11/11/2018 to 11/24/2018	485.83	11/30/2018	11/30/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
	301767-01001	Labor Burden		6 Alloc 3018-BRD - AUG18	520.31	9/13/2018	9/13/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0006-6007	301767-01001	LU Corporate Burden You -Prelim Survey & Investig		6 Alloc 3018-LU - OCT18	569.23 601.48	11/27/2018	11/27/2018 1/11/2018 8810.0450W5		Construction Work In Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INTRASTLICTURE GROUP INC	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
	301767-01001	Vou -Prelim Survey & Investig		1	737	6/30/2018	7/1/2018 8810-PASONS 7/1/2018 8810-IPMCHASE		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	IP MORGAN CHASE BANK	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		:	737	6/30/2018	8/22/2018 8810-JPMCHASE 8/22/2018 8810-JPMCHASE		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	IP MORGAN CHASE BANK	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
16500-0001-0004-0000	301767-01001	Vou-OH Cond & Devices		4 Red to CWIP 301767-01001	737 737	9/11/2018	9/11/2018		Construction Work in Progress	Rockinsham SS Transmission Sup	IF BUNDAN CIRCL BANK	Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	You -Prelim Survey & Investig		4	825	2/22/2018	4/9/2018 8810-PASONS		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	You -Prelim Survey & Investig		4	825	5/30/2018	5/30/2018 8810-STNHTRE		Preliminary Survey & Investigation Charges	Rockinsham SS Transmission Sup	STATE OF NH TREASURER	Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301767-01001	Labor-Install		1 ACCRUAL - PAYROLL	905.11	10/31/2018	10/31/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301767-01001	Labor-Install		1 09/16/2018 to 09/29/2018	973.66	10/5/2018	10/5/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301767-01001	Labor-Install		1 ACCRUAL - PAYROLL	1,174.15	9/30/2018	9/30/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000		You -Prelim Survey & Investig		4 ENGINEERING SUPPORT FOR THE DE	1,200.00	5/24/2018	5/29/2018 BB10-PASONS	ENGINEERING SUPPORT	Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
36500-0001-0004-0000		Vou-OH Cond & Devices		4 DISTRIBUTION LINE 2	1,200.00	7/26/2018	8/17/2018 8810-PASONS	DISTRIBUTION LINE 2	Construction Work In Progress	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	You -Prelim Survey & Investig		4 payment bond for setting monum	1,200.00	9/25/2018	9/26/2018 8810-SALEM 10/10/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	TOWN OF SALEM NH	Rockingham Substation Transmission Supply	
16500-0001-0004-0000 47700-0000-0009-0000	301767-01001	Vou-OH Cond & Devices		4 Red to CWIP 301767-01001 9 8830 AFUDC SEPT 18	1,200.00	10/10/2018	10/10/2018		Construction Work In Progress Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	AFUDC Clearing You -Prelim Survey & Investig		9 BBJD AFODC SEPT 18	1,332.70	3/29/2018	5/23/2018 8810-PASONS		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0001-0001-0000	301707-01001	Labor-Install		1 10/28/2018 to 11/10/2018	1,456.99	11/16/2018	11/16/2018		Construction Work in Progress	Rockingham SS Transmission Sup	PARADIS DEVINORIBLES BEINDOCTURE UNDER INC.	Rockingham Substation Transmission Supply	
18300.0000.0004.0000	301707-01001	Mary Banking Evenous & Secretion		4 ACCRIAL AS SENDING	1,575.00	1/31/2018	1/31/2018		Declaria on Constant & Investigation Charges	Restrotor II Transmission for		Rechisebour Exhibition Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		4	1,575.00	1/7/2018	2/17/2018 8810-VHBENGINE		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	VHB ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		4	1,575.00	2/3/2018	3/19/2018 8810-VHBENGINE		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	VHB ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE	Rockingham Substation Transmission Supply	
16500-0001-0004-0000	301767-01001	Vou-OH Cond & Devices		4 ACCRUAL - ENVIRONMENTAL	1,678.00	9/30/2018	9/30/2018		Construction Work In Progress	Sankinskam EF Teamentonian From		Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		4 ACCRUAL- AP PENDING	1,750.00	1/31/2018	1/31/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		4	1,750.00	12/7/2017	2/17/2018 8810-VHBENGINE	t	Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	VHS ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE	Rockingham Substation Transmission Supply	
00000-0000-0006-6007	301767-01001	LU Corporate Burden		6 Alloc 3018-LU - SEPT18	1,750.33	10/12/2018	10/12/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
42700-0000-0009-0000	301767-01001	AFUDC Clearing You -Prelim Survey & Investig		9 Alloc AFUDC - OCT18	1,945.29	11/28/2018	11/28/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		4	1,950.00	1/25/2018	3/13/2018 8810-PASONS		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
18300-0000-0004-0000 18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig		4 4 ACCRUAL- AP POF	2,150.00 2,150.00	3/7/2018 3/31/2018	3/19/2018 8810-VHBENGINE 3/31/2018	E .	Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	VHB ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000		Vou -Prelim Survey & Investig		4 ACCRUAL- AP POF	2,150.00	3/31/2018				Rockingham SS Transmission Sup	VANASSE HANGEN BRUSTLIN INC	Rockingham Substation Transmission Supply	
18300-0000-0004-0000 42700-0000-0009-0000	301767-01001 301767-01001	Vou -Prelim Survey & Investig AFUDC Clearing		9 8830 AFUDC NOV 18	2,150.00 2,221.83	3/7/2018 12/21/2018	4/4/2018 BB10-VANASSE 12/21/2018		Preliminary Survey & Investigation Charges Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	VANASSE HANGEN BRUSTLIN INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0000-0006-6001		Labor Burden		6 Alloc 3018-BRD - OCT18	2,466.18	11/26/2018	11/26/2018		Construction Work In Progress			Rockineham Substation Transmission Supply	
	301767-01001	New Old Count & Devices		d Andrada-and-octas	2,400.10	10/16/2018	10/22/2018 #810-TBCFNGINFI		Construction Work in Progress	Restrotor II Transmission for	TRC COMPANIES	Rechisebour Exhibition Transmission Supply	
16500-0001-0005-0000	301767-01001	Vou-OH Cond & Devices Out-OH Cond & Devices		i	2,515.78 2,550.00	10/16/2018 11/29/2018	10/22/2018 8810-PASONS		Construction Work in Progress Construction Work in Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000		Man Dealin Survey & Investig		4 ACCRUAL- AP PENDING	2,625.00	1/31/2018	1/31/2018		Preliminary Survey & Investigation Charges	Rockinsham SS Transmission Sup		Rockineham Substation Transmission Supply	
	301767-01001	Vou -Prelim Survey & Investig		4	2,625.00	1/10/2018	3/19/2018 8810-ALFLAW		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply	
36500-0001-0004-0000	301767-01001	Vou-OH Cond & Devices		4 ACCRUAL - ENVIRONMENTAL	2,715.00	11/30/2018	11/30/2018		Preliminary Survey & Investigation Charges Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0000-0006-6001	301767-01001	Labor Burden		6 Alloc 3018-BRD - NOV18	2,716.51	12/27/2018	12/27/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
36500-0001-0005-0000 18300-0000-0004-0000	301767-01001 301767-01001	Out-OH Cond & Devices		5	2,826.78 2,875.00	11/30/2018 2/9/2018	12/18/2018 8810-TRCENGINES 3/19/2018 8810-ALFLAW		Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup Rockingham SS Transmission Sup	TRC COMPANIES ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
		Vou -Prelim Survey & Investig		4					Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply	
16500-0001-0004-0000	301767-01001	LU Corporate Burden Vou-OH Cond & Devices		6 Alloc 3018-LU - NOV18	3,195.56 3,226.01	12/27/2018 8/30/2018	12/27/2018 8/31/2018 8810-PASONS		Construction Work in Progress Construction Work in Progress	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0001-0004-0000	301767-01001	Vou-OH Cond & Devices NH Management Burden		6 Allor 3018-IAB - NOVIS	3,226.01	8/30/2018 12/27/2018	8/31/2018 8810-PASONS 12/22/2018		Construction Work in Progress Construction Work in Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
	301767-01001 301767-01001	NH Management Burden Vou -Prelim Survey & Investig		4 Ann. Alis-Das - NUVIS	3,734.13 4,000.00	12/27/2018 6/12/2018	12/27/2018 6/12/2018 8810-SALEM		Construction Work in Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	TOWN OF SALEM NH	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig		i	4,000.00 4,670.00	6/12/2018 1/18/2018	6/12/2018 8810-SALEM 3/6/2018 8810-PASONS		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Bockingham SS Transmission Sun	TOWN OF SALEM NH PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Visu -Prelim Survey & Investig		4 ENGINEERING SUPPORT FOR THE DE	4.725.00	1/29/2018	5/15/2018 #810.PASONS	ENGINEERING SUPPORT	Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INTRASTILICTURE GROUP INC	Bookingham Substation Transmission Supply	
18300-0000-0004-00M	301767-01001	Vou -Prelim Survey & Investig		4		5/3/2018	6/7/2018 8810-AUFLAW		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply	
	301767-01001	Vou -Prelim Survey & Investig		4	4,875.00 4,987.50	3/7/2018	3/19/2018 8810-ALFLAW		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply	
18300-0000-0004-0000		Vou -Prelim Survey & Investig		4	5,000.00	3/23/2018	3/26/2018 8810-SALEM		Preliminary Survey & Investigation Charges	Rockinsham SS Transmission Sup	TOWN OF SALEM NH	Brokingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		4 Red GLAcct - Job 301767-01001	5,000.00	4/7/2018 9/14/2018	4/7/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0000-0006-6007	301767-01001	LU Corporate Burden		6 Alloc 3018-LU - AUG18	5,174.70	9/14/2018	9/14/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0000-0006-6006	301767-01001	NH Management Burden		6 Alloc 3018-LAB - OCT18	5,492.52	11/27/2018	11/27/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig		4 ACCRUAL AP PENDING	5,605.76 6,300.00	1/31/2018 6/15/2018	1/31/2018 7/25/2018 8810-AUFLAW		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000	201707-01001	Vou -Pretim Survey & Investig Vou -Pretim Survey & Investig		4 ENGINEERING SUPPORT FOR THE DE	6,300.00 7,125.00	6/15/2018 2/22/2018	7/25/2018 8810-AU/LAW 4/9/2018 8810-PASONS	ENGINEERING SUPPORT	Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
16900-0000-0004-0000	301767-01001	Vou -Pretim Survey & Investig Vou-Briles/Tour/Fourin		4 ENGINEERING SUPPORT FOR THE DE	7 247 00	10/11/2018	10/81/2018	LIVERSEENING SUPPLIKE	Preliminary Survey & Investigation Charges Construction Work in Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PROGRAM SAVERUNMENT & INFRASTOCTORE GROUP INC.	Brokingham Substation Transmission Supply	
18300-0001-0004-0000	301767-01001	Vou-Poles/Tow/Equip Vou -Prelim Survey & Investig		4 ALLEGAL - ENVIRONMENTAL	7,247.00 7,337.50	10/31/2018 7/6/2018	10/31/2018 7/31/2018 8810-AUFLAW		Construction Work in Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		i i	7,499.00	11/21/2017	1/31/2018 8810-ADCAW 1/31/2018 8810-PASONS		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges		PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
16500.0001.0005.0000	101767-01001	Dut-DH Cond & Devices		5	7,912.50	8/3/2018	8/31/2018 8810-ALELAW		Construction Work in Progress	Rockinsham SS Transmission Sun	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		4 ACCRUAL - AP HC	7,912.50 8,282.00	4/30/2018	4/30/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	You -Prelim Survey & Investig		4	10,500.00	4/6/2018	6/8/2018 8810-ALFLAW		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply	
16500-0001-0004-0000	301767-01001	Vou-OH Cond & Devices		4	11,176.38	11/8/2018	11/29/2018 8810-TRCENGINE		Construction Work In Progress	Bockingham SS Transmission Sun	TRC COMPANIES	Rockingham Substation Transmission Supply	
00000-0000-0006-6006	301767-01001	NH Management Burden		6 Alloc 3018-IAB - SEPT18	11,324.92	10/12/2018	10/12/2018		Construction Work in Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
	301767-01001	Vou -Prelim Survey & Investig		4	12,150.00	4/26/2018	5/15/2018 8810-PASONS		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
36500-0001-0004-0000	301767-01001	Vou-OH Cond & Devices		4 ENGINEERING SERVICES	13,622.02	8/3/2018	8/17/2018 BB10-TRCENGINE	ENGINEERING SERVICES	Construction Work In Progress	Rockingham SS Transmission Sup	TRC COMPANIES	Rockingham Substation Transmission Supply	
18300-0000-0004-0000		Vou -Prelim Survey & Investig		4 Tuscan BLVD Closing	17,562.00	9/25/2018	9/25/2018 8810-ALFLAW		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply	
36500-0001-0004-0000	301767-01001	Vou-OH Cond & Devices		4 Red to CWIP 301767-01001	17,562.00	10/10/2018	10/10/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
	301767-01001	Vou -Prelim Survey & Investig		4 ACCRUAL- AP HC	18,995.76	2/28/2018	2/28/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
16500-0001-0005-0000	301767-01001	Out-OH Cond & Devices		5	23,956.00	10/5/2018	10/30/2018 8810-ALFLAW		Construction Work in Progress	Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply	
36400-0001-0004-0000 36500-0001-0004-0000	301767-01001	Vou-Poles/Tow/Equip		4 4 ENGINEERING SERVICES	30,114.20	11/21/2018	12/31/2018 8810-AUFLAW 9/27/2018 8810-TRCENGINES	ENGINEERING SERVICES	Construction Work in Progress	Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC TRC COMPANIES	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
36500-0001-0004-0000 36400-0001-0004-0000	301767-01001	Vou-OH Cond & Devices Vou-Poles/Tow/Equip		4 ENGINEERING SERVICES	38,554.64 40,000.00	9/24/2018	9/27/2018 8810-TRCENGINES 9/30/2018 8810-NATGRID	ENGINEERING SERVICES	Construction Work in Progress Construction Work in Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	TRC COMPANIES NATIONAL GRID	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0000-0006-6006	301767-01001			6 Allor 1015-145 - 411G15	40,000.00	9/24/2018	9/14/2018		Construction Work in Progress	Rockingham SS Transmission Sup	minumic until	Brokingham Substation Transmission Supply	
16500-0001-0004-nnm	301767-01001	NH Management Burden Vou-OH Cond & Devices		6 Alloc 3018-IAB - AUG18 4 Red to CWIP 301767-01001	43,897.36 125,931.48	9/14/2018 8/13/2018	9/14/2018 8/13/2018		Construction Work in Progress Construction Work in Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
16500-0001-0002-0000	301767-01001	Mat-OH Cond & Devices		2 ACCRUAL - ENGINEERING	200,000,00	12/31/2018	12/31/2018		Construction Work In Progress	Rockinsham SS Transmission Sup		Rockineham Substation Transmission Supply	
18300-0000-0004-0000	301767-01001	Vou -Prelim Survey & Investig		4 TUSCAN VILLAGE LAND PURCHASE	1,350,000.00	12/29/2017	1/9/2018 8810-ROCACO		Preiminary Survey & Investigation Charges	Rockingham SS Transmission Sup	ROCK ACQUISITION, LLC	Rockingham Substation Transmission Supply	

Sum of Transaction Amount	Column	1 Labels						
Row Labels		1	2	4	5	6	9	Grand Total
AFUDC Clearing							\$ 5,499.82	\$ 5,499.82
Labor Burden						\$ 6,176.45		\$ 6,176.45
Labor-Install	\$	4,018.81						\$ 4,018.81
LU Corporate Burden						\$ 10,689.82		\$ 10,689.82
Mat-OH Cond & Devices			\$ 188,150.00					\$ 188,150.00
NH Management Burden						\$ 64,448.93		\$ 64,448.93
Out-OH Cond & Devices					\$ 37,859.78			\$ 37,859.78
Stores Burden						\$ (1,694.36)		\$ (1,694.36)
Vou -Prelim Survey & Investig				\$ (26,241.00)				\$ (26,241.00)
Vou-OH Cond & Devices				\$ 215,875.31				\$ 215,875.31
Vou-Poles/Tow/Equip				\$ 70,570.20				\$ 70,570.20
Grand Total	\$	4,018.81	\$ 188,150.00	\$ 260,204.51	\$ 37,859.78	\$ 79,620.84	\$ 5,499.82	\$ 575,353.76

Cost Code String WS Job Number 18300-0000-0004-0000 301767-01001	Cost Code Description Cost Elem	ent Transaction Description Tra	ensaction Amount Doc.	ment Date GL 8/13/2018	Posting Date Vendor ID 8/13/2018	Item Number	Account Description Preliminary Survey & Investigation Charges	WS Job Name Rockingham SS Transmission Sup	Venidor Name	WS Description	ITEMDESC
18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig	4 Red Land from 301767-01001 4 ACCRUAL- AP	0.00	1/1/2018	1/1/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig	4 Red to CWIP 301767-01001	-125,931.48 -18.995.76	8/13/2018	8/13/2018 3/1/2018		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig	4 Red to CWIP 301767-01001	-18,995.76 -17,562.00	3/1/2018 10/10/2018	3/1/2018 10/10/2018		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
36500-0001-0002-0000 301767-01001 18300-0000-0004-0000 301767-01001	Mat-OH Cond & Devices Vou -Prelim Survey & Investig Vou -Poles/Tow/Equip	4 ACCRUAL - AP HC	-11,850.00 -8,282.00 -7,247.00	4/26/2018 5/1/2018	8/17/2018 8810-PASONS 5/1/2018		Construction Work in Progress Preliminary Survey & Investigation Charges Construction Work in Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
36400-0001-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou-Poles/Tow/Equip Vou -Prelim Survey & Investig	4 ACCRUAL - ENVIRONMENTAL 4 ACCRUAL - AP PENDING	-7,247.00 -5,605.76	11/2/2018 2/1/2018	11/2/2018 2/1/2018		Construction Work In Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	You -Prelim Survey & Investig	4	-3,900.00	5/22/2018	6/12/2018 8810-VHBENGINEE		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	VHB ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE	Rockingham Substation Transmission Supply	
36500-0001-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou-OH Cond & Devices	4 ACCRUAL - ENVIRONMENTAL 4 ACCRUAL - AP PENDING	-2,715.00	12/1/2018 2/1/2018	12/1/2018		Construction Work in Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig	4	-2,625.00 -2,400.00	3/29/2018	2/1/2018 5/23/2018 8810-PASONS		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig	4 ACCRUAL AP POF	-2,150.00	4/1/2018	4/1/2018		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 00000-0000-0006-6002 301767-01001	Stores Burden	4 ACCRUAL AP PENDING 6 Alloc 3018-STO - AUG18	-1,750.00 -1,694.36	2/1/2018 9/14/2018	2/1/2018 9/14/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
16500-0001-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou-OH Cond & Devices Vou-Onelim Survey & Investig	4 ACCRUAL - ENVIRONMENTAL A ACCRUAL AR PENDING	-1,678.00 -1.575.00	2/1/2018	10/1/2018 2/1/2018		Construction Work in Progress Profesionary Survey & Investigation Charges	Rockingham SS Transmission Sup Bookingham SS Transmission Sun		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig	4 Red to CWIP 301767-01001	-1,200.00	2/1/2018 10/10/2018	10/10/2018		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001	Labor-Install	1 ACCRUAL - PAYROLL 1 ACCRUAL - PAYROLL	-1,174.15 -905.11	10/1/2018	10/1/2018		Construction Work in Progress	Rockingham SS Transmission Sup Bookingham SS Transmission Sun		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	You -Prelim Survey & Investig	4 Red to CWIP 301767-01001	-737	9/11/2018	9/11/2018		Construction Work in Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig	4 4 ACCRUAL- AP PENDING	-737 -350	6/30/2018 2/1/2018	10/16/2018 8810-JPMCHASE 2/1/2018		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	JP MORGAN CHASE BANK	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 00000-0001-0001-0000 301767-01001	Vou -Prelim Survey & Investig	4 ACCRUAL AP PENDING	-300	2/1/2018	2/1/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001	Labor-Install Labor-Install	1 ACCRUAL - PAYROLL 1 Red to CWIP 301767-01001	-243.41 -66.83	9/1/2018 9/11/2018	9/1/2018 9/11/2018		Construction Work in Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001	Labor-Install	1 ACCRUAL - PAYROLL	-66.83	12/1/2018	12/1/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001 00000-0001-0001-0000 301767-01001	Labor-Install	1 07/22/2018 to 08/04/2018 1 08/05/2018 to 08/18/2018	66.83 66.83	8/10/2018 8/24/2018	8/10/2018 8/24/2018		Preliminary Survey & Investigation Charges Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001	Labor-Install	1 Red to CWIP 301767-01001 1 10/14/2018 to 10/27/2018	66.83	9/11/2018	9/11/2018 11/2/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Brokingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001	Labor-Install	1 ACCRUAL - PAYROLL	65.83	11/30/2018	11/30/2018		Construction Work In Progress Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001 00000-0001-0001-0000 301767-01001	Labor-Install Labor-Install	1 11/25/2018 to 12/08/2018 1 12/09/2018 to 12/22/2018	66.83	12/14/2018	12/14/2018 12/28/2018		Construction Work in Progress Construction Work in Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001	Labor-Install	1 11/11/2018 to 11/24/2018	69.85	11/30/2018	11/30/2018		Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
36500-0001-0005-0000 301767-01001 00000-0001-0001-0000 301767-01001	Out-OH Cond & Devices Labor-Install	5 1 08/05/2018 to 08/18/2018	76 121.71	11/2/2018 8/24/2018	11/2/2018 8810-BRENTWOOD 8/24/2018		Construction Work in Progress Construction Work in Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	ROCKINGHAM COUNTY REGISTRY OF DEEDS	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001	Labor-Install	1 09/02/2018 to 09/15/2018	121.71	9/21/2018	9/21/2018		Construction Work In Progress	Rockinsham SS Transmission Sup	DARROWS PROMEOURANT & IMPRACT LICTURE CROWN INC.	Rockingham Substation Transmission Supply	
36500-0001-0004-0000 301767-01001 36500-0001-0005-0000 301767-01001	Vou-OH Cond & Devices Out-OH Cond & Devices	4 DISTRIBUTION LINE 2 5	150 150	9/27/2018 10/26/2018	11/8/2018 8810-PASONS 11/30/2018 8810-PASONS	DISTRIBUTION LINE 2	Construction Work In Progress Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC. PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
36500-0001-0005-0000 301767-01001	Out-OH Cond & Devices	5	163.5	12/3/2018	12/7/2018 8810-BRENTWOOD		Construction Work In Progress		ROCKINGHAM COUNTY REGISTRY OF DEEDS	Rockingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001 36500-0001-0005-0000 301767-01001	Labor-Install Out-OH Cond & Devices	1 09/16/2018 to 09/29/2018 5	200.49 225	10/5/2018 12/28/2018	10/5/2018 12/31/2018 BB10-PASONS		Construction Work In Progress Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001	Labor-Install	1 ACCRUAL - PAYROLL 1 08/19/2018 to 09/01/2018	243.41 243.42	8/31/2018	8/31/2018		Construction Work in Progress	Borkinsham SS Transmission Sun		Rockingham Substation Transmission Supply Bookingham Substation Transmission Supply	
18300-0001-0001-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig	4	241.42 295	9/7/2018 5/21/2018	9/7/2018 5/23/2018 8810-SALEM		Construction Work In Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	TOWN OF SALEM NH	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig	4 ACCRUAL AP PENDING 4 ACCRUAL AP PENDING	300 350	1/31/2018	1/31/2018		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
36400-0001-0004-0000 301767-01001	Vou-Poles/Tow/Equip	4 ACCRUAL - ENVIRONMENTAL	494	12/31/2018	12/31/2018		Construction Work In Progress	Rockinsham SS Transmission Sup		Rockineham Substation Transmission Supply	
00000-0000-0006-6001 301767-01001 00000-0001-0001-0000 301767-01001	Labor Burden Labor-Install	6 Allo: 3018-BRD - SEPT18 1 11/11/2018 to 11/24/2018	473.45 485.83	10/12/2018	10/12/2018 11/30/2018		Construction Work In Progress Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0000-0006-6001 301767-01001	Labor Burden	6 Alloc 3018-8RD - AUG18	520.31	9/13/2018	9/13/2018		Construction Wheel to Beauty	Rockinsham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0000-0006-6007 301767-01001 18300-0000-0004-0000 301767-01001	LU Corporate Burden Vou -Prelim Survey & Investig	6 Alloc 3018-LU - OCT18	569.23 601.48	11/27/2018 10/23/2017	11/27/2018 1/31/2018 BB10-PASONS		Construction Work in Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig	4	737	6/30/2018	7/1/2018 BB10-JPMCHASE				IP MORGAN CHASE BANK IP MORGAN CHASE BANK	Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 36500-0001-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou-OH Cond & Devices	4 4 Red to CWIP 301767-01001	737 737	6/30/2018 9/11/2018	8/22/2018 8810-JPMCHASE 9/11/2018		Preliminary Survey & Investigation Charges Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup Rockingham SS Transmission Sup	JP MORGAN CHASE BANK	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	You -Prelim Survey & Investig	4	825	2/22/2018	4/9/2018 BB10-PASONS		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 00000-0001-0001-0000 301767-01001	Vou -Prelim Survey & Investig Labor-Install	4 1 ACCRUAL - PAYROLL	825 905.11	5/30/2018	5/30/2018 8810-STNHTRE 10/31/2018		Preliminary Survey & Investigation Charges Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	STATE OF NH TREASURER	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001	Labor-Install	1 09/16/2018 to 09/29/2018	973.66	10/5/2018	10/5/2018		Construction Work in Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001 18300-0000-0004-0000 301767-01001	Labor-Install Vou -Prelim Survey & Investig	1 ACCRUAL - PAYROLL 4 ENGINEERING SUPPORT FOR THE DE	1,174.15 1,200.00	9/30/2018 5/24/2018	9/30/2018 5/29/2018 8810-PASONS	ENGINEERING SUPPORT	Construction Work in Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
36500-0001-0004-0000 301767-01001	Vou-OH Cond & Devices	4 DISTRIBUTION LINE 2	1,200.00	7/26/2018	8/17/2018 8810-PASONS	DISTRIBUTION LINE 2	Construction Work In Progress	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 36500-0001-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou-OH Cond & Devices	4 payment bond for setting monum 4 Red to CWIP 301767-01001	1,200.00 1,200.00	9/25/2018 10/10/2018	9/26/2018 8810-SALEM 10/10/2018		Preliminary Survey & Investigation Charges Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	TOWN OF SALEM NH	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
42700-0000-0009-0000 301767-01001 18300-0000-0004-0000 301767-01001	AFUDC Clearing You -Prelim Survey & Investig	9 8830 AFUDC SEPT 18	1,332.70 1,425.00	10/11/2018 3/29/2018	10/11/2018 5/23/2018 BB10-PASONS		Construction Work in Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0001-0001-0000 301767-01001	Labor-Install	1 10/28/2018 to 11/10/2018	1,466.99	11/16/2018	11/16/2018		Construction Work In Progress		PARADISTRUMENT BENEVICE OF THE	Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig	4 ACCRUAL- AP PENDING 4	1,575.00	1/31/2018 1/7/2018	1/31/2018 2/17/2018 8810.VHRFNGINFF		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup Rockingham SS Transmission Sup	VHS ENGINEERING SUBVEYING & LANDSCARE ASCHITECTURE	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig	4	1,575.00	2/3/2018	3/19/2018 8810-VHBENGINEE		Preliminary Survey & Investigation Charges		VHB ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE	Rockingham Substation Transmission Supply	
36500-0001-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou-OH Cond & Devices Vou-Jeelim Survey & Investig	4 ACCRUAL - ENVIRONMENTAL A ACCRUAL - AP PENDING	1,678.00	9/30/2018	9/30/2018		Construction Work in Progress Professionary Survey & Investigation Charges	Rockingham SS Transmission Sup Bookingham SS Transmission Sup		Rockingham Substation Transmission Supply Brokingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	You -Prelim Survey & Investig	4	1,750.00	12/7/2017	2/17/2018 8810-VHBENGINEE		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	VHS ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE	Rockingham Substation Transmission Supply	
00000-0000-0006-6007 301767-01001 42700-0000-0009-0000 301767-01001	LU Corporate Burden AFUDC Clearing	6 Alloc 3018-LU - SEPT18 9 Alloc AFUDC - OCT18	1,750.33	10/12/2018 11/28/2018	10/12/2018 11/28/2018		Construction Work in Progress Construction Work in Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	You -Prelim Survey & Investig	4	1,950.00	1/25/2018	3/13/2018 8810-PASONS		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig	4 4 ACCRUAL- AP POF	2,150.00 2,150.00	3/7/2018 3/31/2018	3/19/2018 8810-VHBENGINEE 3/31/2018		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	VHS ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 42700-0000-0009-0000 301767-01001	Vou -Prelim Survey & Investig AFUDC Clearing	4 9 8830 AU IDC NOV 18	2,150.00 2,221.83	3/7/2018 12/21/2018	4/4/2018 8810-VANASSE 12/21/2018		Preliminary Survey & Investigation Charges Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	VANASSE HANGEN BRUSTLIN INC	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0000-0006-6001 301767-01001	Labor Burden	6 Allo: 3018-8RD - OCT18	2,466.18	11/26/2018	11/26/2018		Construction Work In Progress	Rockinsham SS Transmission Sup		Rockingham Substation Transmission Supply	
36500-0001-0004-0000 301767-01001 36500-0001-0005-0000 301767-01001	Vou-OH Cond & Devices Out-OH Cond & Devices	4	2,515.78	10/16/2018	10/22/2018 8810-TRCENGINEE		Construction Work In Progress Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	TRC COMPANIES DARGONS PROJECTIONERS & INTRASTICCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	You -Prelim Survey & Investig	4 ACCRUAL- AP PENDING	2,625.00	1/31/2018	1/31/2018		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 36500-0001-0004-0000 301767-01001	Vou-Prelim Survey & Investig Vou-OH Cond & Devices	4 4 ACCRUAL - ENVIRONMENTAL	2,625.00 2.715.00	1/10/2018 11/30/2018	3/19/2018 8810-AUFLAW 11/30/2018		Preliminary Survey & Investigation Charges Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply Brokingham Substation Transmission Supply	
00000-0000-0006-6001 301767-01001	Labor Burden	6 Alloc 3018-BRD - NOV18	2,716.51	12/27/2018	12/27/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
36500-0001-0005-0000 301767-01001 18300-0000-0004-0000 301767-01001	Out-OH Cond & Devices Vou -Prelim Survey & Investig	5	2,826.78 2,875.00	11/30/2018 2/9/2018	12/18/2018 8810-TRCENGINEE 3/19/2018 8810-ALFLAW		Construction Work in Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	TRC COMPANIES ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
00000-0000-0006-6007 301767-01001	LU Corporate Burden	6 Alloc 3018-LU - NOV18	3,195.56	12/27/2018	12/27/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
36500-0001-0004-0000 301767-01001 00000-0000-0006-6006 301767-01001	Vou-OH Cond & Devices NH Management Burden	4 6 Allo: 3018-IAB - NOV18	3,226.01 3,734.13	8/30/2018 12/27/2018	8/31/2018 8810-PASONS 12/27/2018		Construction Work in Progress Construction Work in Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig	1	4,000.00 4,620.00	6/12/2018 1/18/2018	6/12/2018 BB10-SALEM 1/6/2018 BB10-PASONS		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	TOWN OF SALEM NH PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig	4 4 ENGINEERING SUPPORT FOR THE DE	4,725.00	3/29/2018	5/15/2018 BB10-PASONS	ENGINEERING SUPPORT	Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig	4	4,875.00	5/3/2018 3/7/2018	6/7/2018 8810-ALFLAW 3/19/2018 8810-ALFLAW		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	You -Prelim Survey & Investig	4	5,000.00	3/23/2018	3/26/2018 BB10-SALEM		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	TOWN OF SALEM NH	Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 00000-0000-0006-6007 301767-01001	Vou -Prelim Survey & Investig LU Corporate Burden	4 Red GLAcet - Job 301767-01001 6 Alloc 3018-LU - AUG 18	5,000.00 5,174.70	4/7/2018 9/14/2018	4/7/2018 9/14/2018		Preliminary Survey & Investigation Charges Construction Work in Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Brokingham Substation Transmission Supply	
00000-0000-0006-6006 301767-01001	NH Management Burden	6 Alloc 3018-LAB - OCT18	5,492.52	11/27/2018	11/27/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou -Prelim Survey & Investig	4 ACCRUAL- AP PENDING 4	5,605.76 6,300.00	1/31/2018 6/15/2018	1/31/2018 7/25/2018 8810-ALFLAW		Preliminary Survey & Investigation Charges Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	You -Prelim Survey & Investig	4 ENGINEERING SUPPORT FOR THE DE	7.125.00	2/22/2018	4/9/2018 8810-PASONS	ENGINEERING SUPPORT	Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	PARSONS ENVIRONMENT &INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
36400-0001-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou-Poles/Tow/Equip Vou-Prelim Survey & Investig	4 ACCRUAL - ENVIRONMENTAL 4	7,247.00 7,337.50	10/31/2018 7/6/2018	10/31/2018 7/31/2018 8810-ALFLAW		Construction Work in Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	You -Prelim Survey & Investig	4	7,499.00	11/21/2017	1/31/2018 BE10-PASONS		Preliminary Survey & Investigation Charges	Rockinsham SS Transmission Sup	PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC.	Rockingham Substation Transmission Supply	
36500-0001-0005-0000 301767-01001 18300-0000-0004-0000 301767-01001	Out-OH Cond & Devices Vou -Prelim Survey & Investig	5 4 ACCRUAL - AP HC	7,912.50 8,282.00	8/3/2018 4/30/2018	8/31/2018 8810-ALFLAW 4/30/2018		Construction Work in Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 36500-0001-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou-OH Cond & Devices	4	10,500.00 11,176.38	4/6/2018 11/8/2018	6/8/2018 8810-AUFLAW 11/29/2018 8810-TRCENGINEE		Preliminary Survey & Investigation Charges Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC TRC COMPANIES	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
36500-0001-0004-0000 301767-01001 00000-0000-0006-6006 301767-01001	Vou-OH Cond & Devices NH Management Burden	4 6 Alloc 3018-LAB - SEPT18	11,176.38 11,324.92	11/8/2018 10/12/2018	11/29/2018 8810-TRCENGINEE 10/12/2018		Construction Work In Progress Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	INC. CLIMPANIES	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 36500-0001-0004-0000 301767-01001	Vou -Prelim Survey & Investig Vou-OH Cond & Devices	4 4 ENGINEERING SERVICES	12,150.00 13.622.02	4/26/2018 8/3/2018	5/15/2018 8810-PASONS 8/17/2018 8810-TRCENGINEE		Preliminary Survey & Investigation Charges Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	PARSONS ENVIRONMENT & INFRASTUCTURE GROUP INC. TRC COMPANIES	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
18300-0001-0004-0000 301767-01001 18300-0000-0004-0000 301767-01001	Vou-OH Cond & Devices Vou -Prelim Survey & Investig	4 Tuscan BLVD Closing	13,622.02 17,562.00	8/3/2018 9/25/2018	8/17/2018 8810-TRCENGINEE 9/25/2018 8810-ALFLAW	ENGINEERING SERVICES	Construction Work in Progress Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	TRC COMPANIES ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
36500-0001-0004-0000 301767-01001	Vou-OH Cond & Devices	4 Red to CWIP 301767-01001	17,562.00	10/10/2018	10/10/2018		Construction Work In Progress	Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001 36500-0001-0005-0000 301767-01001	Vou -Prelim Survey & Investig Out-OH Cond & Devices	4 ACCRUAL-AP HC 5	18,995.76 23,956.00	2/28/2018 10/5/2018	2/28/2018 10/30/2018 8810-AUFLAW		Preliminary Survey & Investigation Charges Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
36400-0001-0004-0000 301767-01001 36500-0001-0004-0000 301767-01001	Vou-Poles/Tow/Equip Vou-OH Cond & Devices	4 4 ENGINEERING SERVICES	30,114.20 38,554.64	11/21/2018	12/31/2018 8810-ALFLAW 9/27/2018 8810-TRCENGINEE	monthly mark	Construction Work In Progress	Rockingham SS Transmission Sup	ALFANO LAW OFFICE, PLLC TRC COMPANIES	Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
36400-0001-0004-0000 301767-01001	Vou-Poles/Tow/Equip	4	40,000,00	9/24/2018 9/24/2018	9/30/2018 BE10-NATGRID	LINGUISERING SERVICES	Construction Work In Progress Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup	TRC COMPANIES NATIONAL GRID	Rockingham Substation Transmission Supply	
00000-0000-0006-6006 301767-01001 36500-0001-0004-0000 301767-01001	NH Management Burden Vivo-OH Cond & Desires	6 Alloc 3018-IAB - AUG18 4 Red to CWIP 301767-01001	43,897.36 125,931.48	9/14/2018 8/13/2018	9/14/2018 8/13/2018		Construction Work In Progress Construction Work In Progress	Rockingham SS Transmission Sup Rockingham SS Transmission Sup		Rockingham Substation Transmission Supply Rockingham Substation Transmission Supply	
36500-0001-0002-0000 301767-01001	Vou-OH Cond & Devices Mat-OH Cond & Devices	2 ACCRUAL - ENGINEERING	200,000,00	12/31/2018	12/31/2018		Construction Work In Progress	Rockinsham SS Transmission Sup		Rockineham Substation Transmission Supply	
18300-0000-0004-0000 301767-01001	Vou -Prelim Survey & Investig	4 TUSCAN VILLAGE LAND PURCHASE	0.00	12/29/2017	1/9/2018 BE10-ROCACQ		Preliminary Survey & Investigation Charges	Rockingham SS Transmission Sup	ROCK ACQUISITION, LLC	Rockingham Substation Transmission Supply	



Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 1

Date Request Received: 10/18/19

Request No. Staff TS 1-17

Date of Response: 11/1/19

Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Re: Staff 9-3; Project 8830-C36426 SCADA Distribution Automation. Please provide the following for this project:

- a. Change Order/Over Expenditure forms.
- b. Work Orders/spreadsheet #'s 3018XX-01005, showing costs spent and dates...
- c. Failure reports for this and other B switches deployed in Liberty's service territory.
- d. Explanation as to how the failure experienced at Rockingham Mall is related to the B switch.

RESPONSE:

- a. Please see Attachment Staff TS 1-17.a.
- b. Please see Attachment Staff TS 1-17.b.xslx. As discussed in the technical session, the material was charged twice to the job. The correcting entry was completed in 2019. The charge for \$86,230.00 is the correct charge to the job.
- c. There are no failure reports for this and other B switches deployed in Liberty's service territory. The SCADA Distribution Automation program is not driven by asset replacement, but rather aims to add automatic restoration schemes to the Company's distribution system. Since 2011 there have been five feeder outages on the 18L1 feeder affecting the Rockingham Mall. These outages have resulted in 729 customers interrupted and 67,326 customer minutes interrupted. To reduce the impact of a feeder lockout to the Mall and increase reliability, the Company will replace switchgear B with an automated S&C PME-9 switchgear. There are two sources to the switchgear, a primary source and a backup source. This switchgear has the capability to automatically transfer between sources when one source is lost. This will allow half of the customers in the Mall to remain energized during a feeder lockout. In addition, feeder 18L2 is currently loaded to 80% of its summer normal rating which is over the allowable per the distribution planning criteria. As a secondary benefit, this project will transfer switchgear

B to the 18L1 feeder and provide load relief to the 18L2 feeder, thus resolving the criteria violation.

d. See the response to part c.



Change Order Form

Docket No. DE 19-064 Attachment Staff TS 1-17.a Page 1 of 2

2018

		ŀ	Project Overv	iew				
Reason for Change:								
Project ID:	8830-C3	6426		Project	Name:	1 (2) (2) (2) (2) (2) (2)	Distribution & tion Specific	
Change Order Name:	SCADA	Distribution & Automati	ion Specific	Date Pr	epared:	03/19/19		
Change Order,#;	1		Financial Work Ord (FWO):			3018XX-01005		
roject Sponsor:	Charles I	Rodrigues	Revised Start Date:			01/01/18		
roject Lead:	Anthony	Strabone		Revised	End Date:	12/31/18	3	
repared By:	Anthony	Strabone		Change	Type ⁱⁱⁱ	⊠ In Sc	ope □ Out of Scope	
roject Contingency vailable?	⊠ Yes [□ No			Selected, Please source of			
Category	Oouble clic	Original Project	Previous A _I	proved	Current Cha	nge	Total	
		Value	Chang	es	Order Amou	int		
Internal Labor (including and travel)	ng labor							
Materials (including consumables)								
Equipment (rental equip	pment)							
Contractor/Subcontract (including consultants)	or							
Total		75,000.00			96,9	30.00	171,930.00	
Updated Unlevered Into Rate of Return: Basis of Current Chang Order Amount:		2018 costs were for ma was charged twice. On						
	(As a re	Solution of the Change Order	chedule Impa		ne Impacts to sche	dule)		
aseline Schedule (BL)			New Forec	ast (NF)	Va	riance (B	L-NF)	
/A			N/A		N/	A		

LUCo Change Order Form Page 1 Rev. 00

Docket No. DE 19-064 Exhibit 21





Change Order Form

Attachment Staff TS 1-17.a Page 2 of 2

Approvals and Signatures^v

Approved By:										
Role	Approval Authority Limit	Name	Signature	Date						
Manager / Staff (requisitioner/buyer):	Up to \$25,000	Anthony Strabone	Mery that my	3/28/19						
Senior Manager: :	Up to \$50,000									
Senior Director/Director:	Up to \$250,000	Charles Rodrigues Director, Engineering	Calodianes	3/31/19						
State President / Senior VP / VP:	Up to \$500,000		0							
Regional President:	Up to \$3,000,000									
Corporate - Sr VP Operations:	Up to \$5,000,000									
Corporate - Exec Team Member (CEO, CFO, COO, Vice Chair):	Over \$5,000,000									

¹ The Financial Work Order Section captures the work order this change falls under when the job was initially set-up

ii The Revised project end date is dependent on changes in scope that may deviate the schedule from the original plan iii The Change type for In scope or Out of scope changes fall within the following scenario:

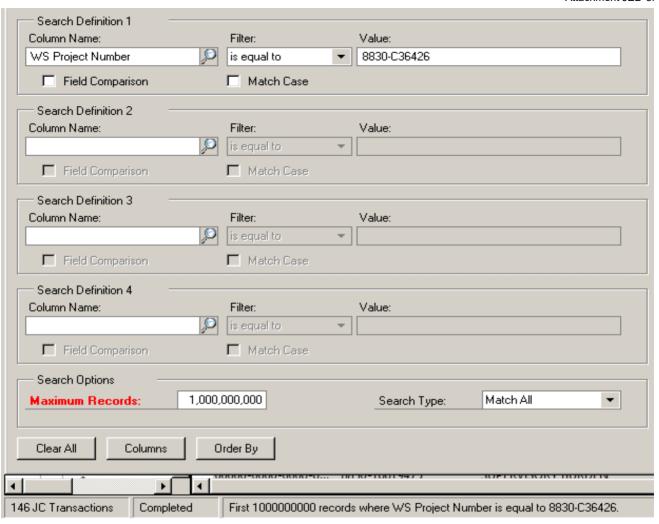
In Scope changes are deviations of scope from the original plan and approved budget that align to the original scope of the project but have revised pricing as a result of changes in pricing of labour, materials, and equipment

Out of Scope changes are scope changes that were not originally planned for in the project baselines and approved budget. Examples of this type of change are related to changes in technology, missed deliverables, a change in the project design altering the scope of the project, etc.

iv In cases where the project no longer has contingency to cover project change orders, please specify any other sources of funds that would address the project variance (i.e. not executing another project, delaying scope of another project, etc)

v Approvals for work orders and purchase orders are subject to the limits set forth in the Approval Limits of Authority Policy owned and amended from time to time by the corporate procurement group.

| Cart Cale Strong | Val Stratum | Val Stratum



Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 1

Date Request Received: 10/18/19

Request No. Staff TS 1-18

Date of Response: 11/1/19

Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Re: Staff 9-3; Project 8830-C42930 Service to Tuscan Village. Please provide the following for this project:

- a. Change Order/Over Expenditure forms.
- b. Work Orders/spreadsheet #'s 301738-01199, 3017XX-01012, 3018XX-01001, 3018XX-01008, showing costs spent and dates.
- c. Amount of CIAC provided.

RESPONSE:

- a. This project does not have an associated change order because it was under budget. The revised budget amount of \$400,000 was incorrect as the budget for this project was never reduced to \$400,000. The business case amount of \$900,000 was the correct budget amount.
- b. Please see Attachment TS Staff 1-18.b.xlsx.
- c. Please see Attachment TS Staff 1-18.c for CIAC associated with the work orders:
 - CIAC calculation for Tuscan North
 - Line extension Policy 4 agreement
 - CIAC calculation for Tuscan South Hanover
 - Line extension Policy 3 agreement

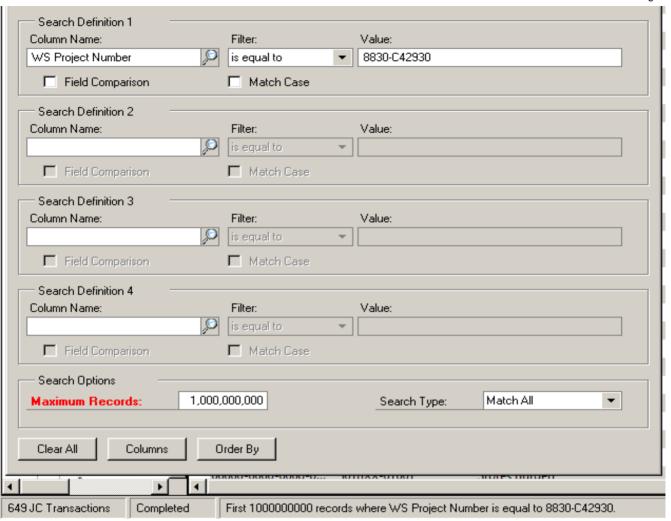
301738-01199	\$ 17,663.62	North
3017XX-01012	\$ 92,008.52	North
3018XX-01001	\$ 556,074.23	South
3018XX-01088	\$ 8,513.75	Hanover (South)
Total	\$ 674,260.12	
reversal of materials in 2019	\$ (263,970.00)	
updated total	\$ 410,290.12	=

Cost Code String WS Job Number	Cost Code Description	Cost Element	Transaction Description	Transaction Amount	Document Date	GL Posting Date	Vendor ID	Item Number	U Of M	Account Description	WS Job Name	Vendor Name	ITEMDESC
00000-0001-0001-0000 301738-01199	Labor-Install		1 01/07/2018 to 01/13/2018	118.04	1/19/2018					Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0001-0001-0000 301738-01199	Labor-Install		1 01/07/2018 to 01/13/2018	1,154.12						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0001-0001-0000 301738-01199	Labor-Install		1 06/10/2018 to 06/16/2018	430.56						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0001-0001-0000 301738-01199	Labor-Install		1 06/17/2018 to 06/23/2018	242.19						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0001-0001-0000 301738-01199	Labor-Install		1 ACCRUAL - PAYROLL	215.28						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0001-0001-0000 301738-01199	Labor-Install		1 ACCRUAL - PAYROLL	-215.28						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0001-0001-0000 301738-01199	Labor-Install		1 06/24/2018 to 06/30/2018	215.28						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0001-0001-0000 301738-01199	Labor-Install		1 07/08/2018 to 07/14/2018	242.19						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0001-0001-0000 301738-01199	Labor-Install		1 07/08/2018 to 07/14/2018	430.56						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0001-0001-0000 301738-01199	Labor-Install		1 08/05/2018 to 08/11/2018	215.28						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0001-0001-0000 301738-01199	Labor-Install		1 08/19/2018 to 08/25/2018	215.28						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0001-0001-0000 301738-01199	Labor-Install		1 09/16/2018 to 09/22/2018	322.92						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0001-0001-0000 301738-01199	Labor-Install		1 09/16/2018 to 09/22/2018	861.12						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0001-0001-0000 301738-01199	Labor-Install		1 09/30/2018 to 10/06/2018	430.56						Construction Work In Progress	Tuscan Vill South, Markert St		
36500-0001-0004-0000 301738-01199	Vou-OH Cond & Devices		4 ACCRUAL- AP PDF	2,625.00						Construction Work In Progress	Tuscan Vill South, Markert St		
36500-0001-0004-0000 301738-01199	Vou-OH Cond & Devices		4 ACCRUAL- AP PDF	2,875.00						Construction Work In Progress	Tuscan Vill South, Markert St		
36500-0001-0004-0000 301738-01199	Vou-OH Cond & Devices		4 ACCRUAL- AP PDF	-2,875.00						Construction Work In Progress	Tuscan Vill South, Markert St		
36500-0001-0004-0000 301738-01199	Vou-OH Cond & Devices		4 ACCRUAL- AP PDF	-2,625.00						Construction Work In Progress	Tuscan Vill South, Markert St		
36500-0001-0005-0000 301738-01199	Out-OH Cond & Devices		5	180			8 8810-CONTROLPOI			Construction Work In Progress	Tuscan Vill South, Markert St	CONTROLPOINT TECHNOLOGIES INC	
00000-0000-0006-6001 301738-01199	Labor Burden		6 Alloc 3017-BRD - DEC17	1,620.74						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6006 301738-01199	NH Management Burden		6 Alloc 3017-LAB - DEC17	522.19						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6007 301738-01199	LU Corporate Burden		6 Alloc 3017-LU - DEC17	133.05						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6001 301738-01199	Labor Burden		6 Alloc 3018-BRD - JAN18	1,439.69						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6006 301738-01199	NH Management Burden		6 Alloc 3018-LAB - JAN18	445.12						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6007 301738-01199	LU Corporate Burden		6 Alloc 3018-LU - JAN18	81.35						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6006 301738-01199	NH Management Burden		6 Alloc 3018-LAB - LAB18	196.24						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6007 301738-01199	LU Corporate Burden		6 Alloc 3018-LU - APR18	49.53	5/9/2018	5/9/201	3			Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6001 301738-01199	Labor Burden		6 Alloc 3018-BRD - JUN18	1,114.47						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6006 301738-01199	NH Management Burden		6 Alloc 3018-LAB - JUNE18	457.33	7/16/2018	7/16/201	3			Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6007 301738-01199	LU Corporate Burden		6 Alloc 3018-LU - JUNE18	76.76						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6001 301738-01199	Labor Burden		6 Alloc 3018-BRD - JUL18	1,258.45	8/10/2018	8/10/201	3			Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6006 301738-01199	NH Management Burden		6 Alloc 3018-LAB - JULY18	246.89						Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6007 301738-01199	LU Corporate Burden		6 Alloc 3018-LU - JULY18	41.53	8/10/2018	8/10/201	3			Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6001 301738-01199	Labor Burden		6 Alloc 3018-BRD - AUG18	1,188.20	9/13/2018	9/13/201	3			Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6006 301738-01199	NH Management Burden		6 Alloc 3018-LAB - AUG18	134.78	9/14/2018	9/14/201	3			Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6007 301738-01199	LU Corporate Burden		6 Alloc 3018-LU - AUG18	15.89	9/14/2018	9/14/201	В			Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6001 301738-01199	Labor Burden		6 Alloc 3018-BRD - SEPT18	1,535.28	10/12/2018	3 10/12/2013	3			Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6006 301738-01199	NH Management Burden		6 Alloc 3018-LAB - SEPT18	168.2	10/12/2018	10/12/201	В			Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6007 301738-01199	LU Corporate Burden		6 Alloc 3018-LU - SEPT18	26	10/12/2018	3 10/12/2013	3			Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6001 301738-01199	Labor Burden		6 Alloc 3018-BRD - OCT18	904.34	11/26/2018	11/26/201	В			Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6006 301738-01199	NH Management Burden		6 Alloc 3018-LAB - OCT18	85.54	11/27/2018	11/27/201	3			Construction Work In Progress	Tuscan Vill South, Markert St		
00000-0000-0006-6007 301738-01199	LU Corporate Burden		6 Alloc 3018-LU - OCT18	8.87	11/27/2018	11/27/201	В			Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 8830 AFUDC DEC 17	13.47	1/29/2018	1/29/2018	3			Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 8830 AFUDC JAN 18	32.9	2/12/2018	2/12/201	В			Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 REV JE917743 AFUDC JAN18	-32.9	2/23/2018	3 2/23/201	3			Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 8830 AFUDC JAN 18 - REV	34.06	2/23/2018	2/23/201	3			Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 8830 AFUDC FEB 18	52.08	3/21/2018	3/21/201	3			Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 8830 AFUDC MAR 18	58.49	4/11/2018	3 4/11/201	3			Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 8830 AFUDC APR 18	59.09	5/10/2018	5/10/201	3			Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 8830 AFUDC MAY 18	60.47	6/12/2018	6/12/2018	3			Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 8830 AFUDC JUNE 18	63.48						Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 8830 AFUDC JULY 18	74.16	8/13/2018					Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 8830 AFUDC AUG 18	88.7	9/14/2018	9/14/201	3			Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 8830 AFUDC SEPT 18	103.39	10/11/2018	3 10/11/201	В			Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 Alloc AFUDC - OCT18	118.69	11/28/2018					Construction Work In Progress	Tuscan Vill South, Markert St		
42700-0000-0009-0000 301738-01199	AFUDC Clearing		9 8830 AFUDC NOV 18	129	12/21/2018					Construction Work In Progress	Tuscan Vill South, Markert St		
				17663.62									

									Attachment JED-3g
Cost Code String WS Job Number	Cost Code Description Cos	at Element Transaction Description	Transaction Amount D	ocument Date G	L Posting Date Vendor ID	Item Number Account Description	WS Job Name	Vendor Name	ITEMDESC
00000-0001-0001-0000 3017XX-01012 00000-0001-0001-0000 3017XX-01012	Labor-Install Labor-Install	1 12/31/2017 to 01/06/2018 1 01/14/2018 to 01/20/2018	157.38 209.84	1/12/2018	1/12/2018 1/26/2018	Construction Work In Progress Construction Work In Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		
00000-0001-0001-0000 3017XX-01012 00000-0001-0001-0000 3017XX-01012	Labor-Install Labor-Install	1 01/14/2018 to 01/20/2018 1 01/14/2018 to 01/20/2018	244.05 244.05	1/26/2018 1/26/2018	1/26/2018 1/26/2018	Construction Work in Progress Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		
00000-0001-0001-0000 3017XX-01012 00000-0001-0001-0000 3017XX-01012	Labor-Install Labor-Install	1 01/14/2018 to 01/20/2018 1 01/07/2018 to 01/20/2018	222.9 125.6	1/26/2018	1/26/2018 1/26/2018	Construction Work in Progress Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		
00000-0001-0001-0000 3017xx-01012	Labor-Install	1 01/14/2018 to 01/20/2018	125.6 292.86 195.25	1/26/2018 1/26/2018 2/28/2018	1/26/2018	Construction Work in Progress	Tuscan Vill - Central St. OH		
00000-0001-0001-0000 3017XX-01012 00000-0001-0001-0000 3017XX-01012	Labor-Install Labor-Install	1 ACCRUAL - PAYROLL 1 ACCRUAL - PAYROLL	195.25 -195.25	2/28/2018 3/1/2018	2/28/2018 3/1/2018	Construction Work In Progress Construction Work In Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		
00000-0001-0001-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Labor-Install Mat-OH Cond & Devices	1 02/18/2018 to 03/03/2018	195.25	2/0/2019	2/9/2019	Construction Work in Progress 8830-3503608 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		ANCHOR, SCREW, PWR INSTL, 10IN DIA, SGL HELIX,
36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices	2	47.84 77	1/17/2018 1/17/2018	1/17/2018 1/17/2018	8830-5948417 Construction Work in Progress	Tuscan Vill - Central St. OH		ANCHOR, SCREW, PWR INSTL10IN DIA, SGL HELIX, CABLE, 600V, 1/0, CU, 1/C CABLE, SECONDARY, SVCE. NO. 2 TRX. SHRIMP/XLP. 300FT RL
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	150 11.7	1/17/2018	1/17/2018	8830-5940040 Construction Work in Progress	Tuscan VIII - Central St. OH		
	Mat-OH Cond & Devices Mat-OH Cond & Devices Mat-OH Cond & Devices	2	38.46 25.64 45.48	1/17/2018 1/17/2018 1/17/2018	a francisco	8830-5985783 Construction Work in Progress 8830-5985783 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		CLAMP, STRN, DE. 3/0-556.5 AL. 1 U-BOLT CLAMP, STRN, DE, 3/0-556.5 AL. 1 U-BOLT CONNECTOR, ELEC, PARALLEL GRV, 477-795 KCM ALUM/COPPER
36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices	2	45.48	1/17/2018	1/17/2018 1/17/2018 1/17/2018	8830-5962841 Construction Work In Progress	Tuscan VIII - Central St. OH		CONNECTOR, ELEC, PARALLEL GRV, 477-795 KCM ALUM/COPPER
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2 2	45.48 67.8	1/17/2018	1/17/2018 1/17/2018	8830-5962841 Construction Work in Progress 8830-5962850 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		CONNECTOR, ELEC, PARALLEL GRV, 477-795 KCM ALUM/COPPER CONNECTOR PARALLEL GROOVE AL/CLI 3-2/0
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	67.8 240.6 90.3	1/17/2018	1/17/2018 1/17/2018	8830-5962870 Construction Work in Progress 8830-2023700 Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		CONNECTOR, PARALLEL GROOVE, AL/CU, 3/0 -397.5 KCM CUTOUT, OPEN TYPE, SINGLE VENTING, INTCHG, 15KV POLYMER
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	32	1/17/2019	1/17/2018	8830-3503621 Construction Work In Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		INSULATOR, GUY STRAIN, FIBERGLASS, 15M, 54IN
36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices	2	30.33 30.33	1/17/2018	1/17/2018 1/17/2018	8830-2021572 Construction Work in Progress 8830-2021572 Construction Work in Progress	Tuscan Vill - Central St. OH		INSULATOR, STRAIN, 15KV, POLYMER INSULATOR, STRAIN, 15KV, POLYMER
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	84.88 19.44	1/17/2018	1/17/2018 1/17/2018	8830-9201484 Construction Work in Progress 8830-3502434 Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		MOUNT, EQPT, FIBERGLASS, 1 PH, 18IN, 5.3 LBS PIN. INSULATOR, TOP GROOVE, GS. 5-3/4IN, BELOW FLANGE
30700 0001 0003 0000 301700 01013	Mat-OH Cond & Devices	2	23.72	1/17/2018 1/17/2018 1/17/2018	1/17/2010	9920-2502217 Construction Work in Broggers	Turcan Mill - Control St. OH		DOD ANGUOD CORES AND WATER OF THE WORLD INSTALL
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	49 25.96	1/17/2018	1/17/2018 1/17/2018	8830-3503013 Construction Work in Progress 8830-3506321 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		RDD. GROUND, SOLID. CUB BONDED STL. S/BIN X 8FT SPLICE, AUTOMATIC, FULL TENSION, F/1/O ACSR 6/1
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2 2	93 194.5	1/17/2018	1/17/2018 1/17/2018	8830-0811017 Construction Work in Progress 8830-4001044 Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		WIRE, ALUM, BARE, 6201 AAAC, 1/0, 1C, AZUSA WIRE, 4/0 AWG CU, 19 STRAND, SNGL COND., 60 MILS INSUL.
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	50.67 150	1/11/2018	2/19/2018 2/19/2018	8830-3502149 Construction Work in Progress 8830-4003311 Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		BRACKET, MTG, APPAR, W(1) 1-1/2IN BOLT, GALVS CABLE, SECONDARY, 1/0, 3C, 60MILS, GAMMARUS/XLP, 1200FT
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	0	1/11/2018	2/19/2018	8830-3503328 Construction Work in Progress 8830-3506763 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		CLAMP, GROUND ROD, CU, FOR SIN. DIA GROUND ROD CLAMP STRN DE NO 6. 2/0.81 11.817
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2 2	11.7 23.4 115.38	1/24/2018 1/11/2018 1/11/2018	2/19/2018 2/19/2018	8830-3506763 Construction Work in Progress 8830-3506763 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		CLAMP. STRN. DE. NO. 6 - 2/0 AL. 1 U-BLT
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	115.38 38.46	1/11/2018	2/19/2018 2/19/2018	8830-5985783 Construction Work in Progress 8830-5985783 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		CLAMP, STRN, DE, 3/0-556, S.A., 1 U-BOLT CLAMP, STRN, DE, 3/0-556, S.A., 1 U-BOLT
36500,0001,0002,0000 301700,01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	153.84	1/11/2018	2/19/2018	8830-5985783 Construction Work in Progress	Tuscan VIII - Central St. OH		CLAMP STON DE 3/0 SECTAL AU DOLT
36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices	2	41.88 41.88	1/11/2018	2/19/2018 2/19/2018	8830-5985125 Construction Work in Progress 8830-5985125 Construction Work in Progress 8830-5591772 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		CLAMP, SUSPENSION, ET ANGLE CLVS 6 - 250 MCM. 0.16IN-0.75IN CLAMP, SUSPENSION, RT ANGLE CLVS 6 - 250 MCM. 0.16IN-0.75IN
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2 2	7.55 22.74	1/24/2018	2/19/2018 2/19/2018	8830-5962841 Construction Work In Progress	Tuscan VIII - Central St. OH		COMPOUND, JT, ELEC, 8 OZ TUBE CONNECTOR ELEC RARALLEL CRY 477,785 YCM ALLIM/CORRER
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	98.28 20.34	1/24/2018	2/19/2018 2/19/2018	8830-5962875 Construction Work In Progress 8830-5962850 Construction Work In Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		CONNECTOR, PARALLEL GROOVE, 477-795 KCM AL, 4/0 AWG - 400 KC CONNECTOR, PARALLEL GROOVE, AL/CU 3-2/0
36500-0001-0002-0000 3017/0/-01012	Mat-OH Cond & Devices	2	72.18	1/24/2018	2/19/2018	8830-5962870 Construction Work In Progress	Tuscan VIII - Central St. OH		CONNECTOR, PARALLEL GROOVE, AL/CU, 3/0 -397.5 KCM
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2 2	157.62 157.62 381.9	1/24/2018 1/24/2018 1/11/2018	2/19/2018 2/19/2018 2/19/2018	8830-5965885 Construction Work in Progress 8830-5965885 Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		CONNECTOR, TERMINAL, 4 AWG SOLID-250 KCM, BRONZE, 2 HOLE PAD CONNECTOR, TERMINAL, 4 AWG SOLID-250 KCM, BRONZE, 2 HOLE PAD
36500-0001-0002-0000 30170X-01012 36500-0001-0002-0000 30170X-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	381.9 229.14	1/11/2018	2/19/2018 2/19/2018	8830-3502022 Construction Work in Progress 8830-3502022 Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		CROSSARM, DISTRIBUTION, 8FT X 3-1/2IN X 4-1/2IN, 6PIN CROSSARM, DISTRIBUTION, 8FT X 3-1/2IN X 4-1/2IN, 6PIN
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	49.35	1/11/2019	2/10/2019	8830-5642411 Construction Work in Progress 8830-3503077 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		DEVICE CARLE POSITIONER
36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices	2	25.2 10.8	1/11/2018	2/19/2018 2/19/2018	8830-3503077 Construction Work in Progress	Tuscan Vill - Central St. OH		GUARD, GUY, HDPE FULL RND, 8FT LG, YELLOW GUARD. GUY. HDPE FULL RND. 8FT LG. YELLOW
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	112 48	1/11/2018	2/19/2018	8830-3503621 Construction Work in Progress 8830-3503621 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		INSULATOR, GUY STRAIN, FIBERGLASS, 15M, 54IN
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	220.92 110.46	1/11/2018 1/11/2018	2/19/2018 2/19/2018	8830-9387113 Construction Work in Progress 8830-9387113 Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		INSULATOR, POLY, VISE TOP HENDRIX HPI-15VTP
36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices	2	30.33	1/11/2018	2/19/2018	8830-2021572 Construction Work In Progress	Tuscan Vill - Central St. OH		INSULATOR, POLY, VISE TOP HENDRIX HPI-15VTP INSULATOR, STRAIN, 15KV, POLYMER INSULATOR, STRAIN, 15KV, POLYMER
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2 2	90.99 101.1	1/11/2018	2/19/2018 2/19/2018	8830-2021572 Construction Work in Progress 8830-2021572 Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		INSULATOR, STRAIN, 15KV, POLYMER INSULATOR STRAIN 15KV POLYMER
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	121.86 29.16	1/11/2018	2/19/2018 2/19/2018	8830-2023525 Construction Work in Progress 8830-3502434 Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		MOUNT, EQUIPMENT, FIBERGLASS, 3 PH, 48IN, 26LBS PIN, INSULATOR, TOP GROOVE, GS, 5-3/4IN. BELOW FLANGE
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	29.16	1/11/2019	2/19/2018	8830-3502434 Construction Work In Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		PIN. INSULATOR, TOP GROOVE, GS. 5-3/4IN, BELOW FLANGE
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2 2	25.92 46.41	1/11/2018	2/19/2018 2/19/2018	8830-3502834 Construction Work In Progress 8830-3503425 Construction Work In Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		PIN, POLE TOP, 24IN, GALVS, 1IN THREAD PLATE, POLE EYE, DI, 20K, GALV, 10-90 DEG PLATE. POLE EYE. DI. 20K. GALV. 10-90 DEG
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	19.89 28.198.00	1/11/2018	2/19/2018 2/19/2018	8830-3503425 Construction Work in Progress 8830-9201974 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	36.72 21.18	4 (14 (2010	2/10/2010	8830-3503013 Construction Work in Progress 8830-2021965 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		ROD, GROUND, SOLID, CU BONDED STL. 5/8IN X 8FT SPACER, CABLE, TRIPLEX, QUADRUPLEX, GRAY/BLK PE WASHER, BELLEVILLE, 18-8 SST, GR 301, 1/2 IN ID, 1.06 IN OD
36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices	2	0	1/11/2018	2/19/2018 2/19/2018 2/19/2018	8830-7006022 Construction Work In Progress	Tuscan Vill - Central St. OH		WASHER, BELLEVILLE, 18-8 SST, GR 301, 1/2 IN ID, 1.06 IN OD
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2 2	231 90	1/11/2018	2/19/2018	8830-4005640 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		WIRE, GROUNDING, SOLID CU COVERED, SOFT DRAWN, NO.4 AWG, 600V
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	90 116.7	1/11/2018	2/19/2018 2/19/2018	8830-0811118 Construction Work in Progress 8830-4001044 Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		WIRE, GUY, ALUMOWELD, 12.5M, 7 STR, 0.343IN. OD, 7 STRAND 12 WIRE, 4/0 AWG CU, 19 STRAND, SNGL COND.,60 MILS INSUL.
36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices	2	194.5	1/24/2018	2/19/2018	8830-4001044 Construction Work In Progress	Tuscan VIII - Central St. OH		WIRE, 4/0 AWG CU, 19 STRAND, SNGL COND.,60 MILS INSUL.
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2 2	1,025.94 1.65 210.14	1/24/2018 1/11/2018	2/19/2018 2/19/2018	8830-2027120 Construction Work in Progress 8830-3503053 Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		SWITCH, DISC, 15kV, SPH, 600A., 110kV BIL INSUL W SERR GALVS 4942R9-E-D4-W MOLDING, WIRE, GROUND, HDPE, 1/2IN. ID X 8FT L X.010 GRIP, GUY, AUTOMATIC, W/SS EYE BAIL, 12.5M, 7 - NO. 9 ANCHOR
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2	210.14 190.6	1/11/2018	2/19/2018 2/19/2018	8830-3503516 Construction Work in Progress 8830-3502879 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		GRIP, GUY, AUTOMATIC, W/SS EYE BAIL, 12.5M, 7 · NO. 9 ANCHOR BRACE, XARM, RVRS, TRANS, WOOD, 60IN SPREAD EA PAIR
30700 0001 0003 0000 301700 01013	Mat-OH Cond & Dovicer	2	114.26	4 (44 (2040)	2/10/2010	0030 3003030 Construction Minds in December	Turner Mill Control St. Oll		DOLOG MADA DUDG TOLLIG WOODD CONFEDERAD OF DAID
36500-0001-0002-0000 3017XX-01012 36500-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-OH Cond & Devices	2 2	131.76 90.06	1/11/2018 1/11/2018 1/11/2018	2/19/2018 2/19/2018 2/19/2018	8830-5100682 Construction Work In Progress 8830-3503516 Construction Work In Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		BRACE. AND M. NYS. TRAINS. WILDU. BOIN SPIRE DE PAPAR ARRESTER. SURGE. RISER CLASS. POLYMER. MOV TYPE. 12KV GRIP, GUY, AUTOMATIK. (WSS EYE BAIL, 12.5M, 7 - NO. 9 ANCHOR ANCHOR, SCREW, PWR INSTL, 10IN DIA, SGL HELIX,
36400-0001-0002-0000 3017XX-01012 36400-0001-0002-0000 3017XX-01012	Mat-Poles/Tow/Equip Mat-Poles/Tow/Equip	2 2	202.92	11/16/2018	11/16/2018 11/16/2018	8830-3503608 Construction Work in Progress 8830-2006043 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		
36400-0001-0002-0000 3017XX-01012 36400-0001-0002-0000 3017XX-01012	Mat-Poles/Tow/Equip Mat-Poles/Tow/Equip	2	-146.24 85.43	11/16/2018 11/16/2018	11/16/2018 11/16/2018	8830-3502022 Construction Work In Progress 8830-2023700 Construction Work In Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		CROSSARM, DISTRIBUTION, 8FT X 3-1/2IN X 4-1/2IN, 6PIN CUTOUT, OPEN TYPE, SINGLE VENTING, INTCHG, 15KV POLYMER
36400-0001-0002-0000 3017/00-01012	Mat-Poles/Tow/Equip	2	-79.3	11/16/2018	11/16/2018	8830-3503621 Construction Work In Progress	Tuscan Vill - Central St. OH		INSULATOR, GUY STRAIN, FIBERGLASS, 15M, 54IN
36400-0001-0002-0000 3017XX-01012 36400-0001-0002-0000 3017XX-01012	Mat-Poles/Tow/Equip Mat-Poles/Tow/Equip	2 2	-97.44 -17.92 117.48	11/16/2018 11/16/2018 11/16/2018	11/16/2018 11/16/2018 11/16/2018	8830-9387113 Construction Work in Progress 8830-3502434 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		INSULATOR, POLY, VISE TOP HENDRIX HPI-15VTP PIN, INSULATOR, TOP GROOVE, GS, 5-3/4IN. BELOW FLANGE ROD, ANCHOR, GS PISA, 1IN. X 7FT., F/USE W/PWR INSTALL
36400-0001-0002-0000 3017XX-01012 36400-0001-0002-0000 3017XX-01012	Mat-Poles/Tow/Equip Mat-Poles/Tow/Equip	2	117.48 -74.8	11/16/2018 11/16/2018	11/16/2018 11/16/2018	8830-3503217 Construction Work in Progress 8830-0811118 Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		ROD, ANCHOR, GS PISA, 1IN. X 7FT., F/USE W/PWR INSTALL WIRE, GUY, ALUMOWELD, 12.5M, 7 STR, 0.343IN. OD, 7 STRAND 12
36400-0001-0002-0000 3017XX-01012	Mat-Poles/Tow/Equip	2	.197.1	11/16/2019	11/16/2019	8830-3502879 Construction Work in Progress 8830-3503516 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		BRACE, XARM, RVRS, TRANS, WOOD, 60IN SPREAD EA PAIR GRIP, GUY, AUTOMATIC. W/SS EYE BAIL. 12.5M. 7 - NO. 9 ANCHOR
36400-0001-0002-0000 3017XX-01012	Mat-Poles/Tow/Equip Mat-Poles/Tow/Equip Mat-OH Cond & Devices	2 2 IVA0000022336	-78.96 0.12 2,805.60	11/16/2018 11/20/2018	11/16/2018 11/20/2018	8830-3503516 Construction Work In Progress Construction Work In Progress 8830-5942638 Construction Work In Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		
36500-0001-0002-0000 3017XX-01012 36400-0001-0002-0000 3017XX-01012	Mat-OH Cond & Devices Mat-Poles/Tow/Equip	2 2	2,805.60 3.021.20	11/30/2018	12/3/2018 12/4/2018	8830-5942638 Construction Work in Progress 8830-3501452 Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		CABLE, ELEC, 477 KCM, (1) EC AL, 19 STRAND SPACER POLE, WOOD, DISTR, 45FT, CLASS 2, SYP, PENTA, MS2005
36500-0001-0004-0000 3017XX-01012 00000-0000-0004-4000 3017XX-01012	Vou-OH Cond & Devices Accrued Vouchers	4 4 Accrual - Engineering	256 140,000.00	10/31/2017 1/31/2018	1/4/2018 8810-SALEM 1/31/2018	Construction Work In Progress Construction Work In Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH	TOWN OF SALEM NH	
00000-0000-0004-4000 3017XX-01012	Accrued Vouchers	4 ACCRUAL- AP PENDING	862.5	1/31/2018	1/31/2018	Construction Work In Progress	Tuscan Vill - Central St. OH		
00000-0000-0004-4000 3017XX-01012 00000-0000-0004-4000 3017XX-01012	Accrued Vouchers Accrued Vouchers	4 ACCRUAL- AP PENDING 4 Accrual - Engineering	-862.5 -140.000.00	2/1/2018 2/1/2018	2/1/2018 2/1/2018	Construction Work in Progress Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		
36500-0001-0004-0000 3017XX-01012 36700-0001-0004-0000 3017XX-01012	Vou-OH Cond & Devices Vou-UG Cond & Devices	4	392.08 862.5	2/2/2018 1/22/2018	2/12/2018 8810-ASPLUNDH 2/20/2018 8810-UNIPOW	Construction Work In Progress Construction Work In Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH	ASPLUNDH TREE EXPERT CO UNITED POWER GROUP, INC.	
00000-0000-0004-4000 3017xx-01012	Accrued Vouchers	4 ACCRUAL- AP HC	880	2/20/2019	2/28/2018	Construction Work In Progress	Tuscan Vill - Central St. OH	UNITED POWER GROUP, INC.	
00000-0000-0004-4000 3017xx-01012 36500-0001-0004-0000 3017xx-01012	Accrued Vouchers Vou-OH Cond & Devices	4 ACCRUAL- AP HC 4 ACCRUAL - AP PDF	-880 880	3/1/2018 4/30/2018	3/1/2018 4/30/2018	Construction Work In Progress Construction Work In Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		
36500-0001-0004-0000 3017XX-01012 36400-0001-0004-0000 3017XX-01012	Vou-OH Cond & Devices Vou-Poles/Tow/Equip	4 ACCRUAL - AP PDF	-880	5/1/2018 1/31/2018	5/1/2018 5/3/2018 8810-SALEM	Construction Work in Progress Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH	TOWN OF SALEM NH	
36500-0001-0004-0000 3017XX-01012 36500-0001-0004-0000 3017XX-01012	Vou-OH Cond & Devices	4	440 440 220	1/21/2019	E/2/2010 0010 CALEM	Construction Work In Progress Construction Work In Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH	TOWN OF SALEM NH CONTROLPOINT TECHNOLOGIES INC	
36500-0001-0005-0000 3017XX-01012	Out-OH Cond & Devices	5	880	3/27/2018 2/20/2018	5/7/2018 8810-CONTROLPOI 3/30/2018 8810-CONTROLPOI	Construction Work In Progress	Tuscan Vill - Central St. OH	CONTROLPOINT TECHNOLOGIES INC	
36500-0001-0005-0000 3017XX-01012 00000-0000-0006-6001 3017XX-01012	Out-OH Cond & Devices Labor Burden	5 6 Alloc 3018-BRD - JAN 18	29,125.00 1,693.78	12/1/2017	6/6/2018 8810-ICREED 2/12/2018	Construction Work In Progress Construction Work In Progress	Tuscan Vill - Central St. OH	I.C. REED & SONS, INC.	
00000-0000-0006-6002 3017XX-01012	Stores Burden	6 Alloc 3018-STO - JAN18 6 Alloc 3018-LAB - JAN18	2,190.01	2/12/2018 2/12/2018	2/12/2018 2/12/2018	Construction Work In Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		
00000-0000-0006-6007 3017XX-01012	NH Management Burden LU Corporate Burden	6 Alloc 3018-LU - JAN18	1,111.30 203.11	2/12/2018	2/12/2018	Construction Work In Progress Construction Work In Progress	Tuscan Vill - Central St. OH		
00000-0000-0006-6002 3017XX-01012 00000-0000-0006-6006 3017XX-01012	Stores Burden NH Management Burden	6 Alloc 3018-STO - FEB18 6 Alloc 3018-LAB - FEB18	2,162.73 7.469.49	3/14/2018 3/14/2018	3/14/2018 3/14/2018	Construction Work in Progress Construction Work in Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		
00000-0000-0006-6007 3017xx-01012 00000-0000-0006-6001 3017xx-01012	LU Corporate Burden Labor Burden	6 Alloc 3018-U- FEB18 6 Alloc 3018-BRD - MAR18	7,469.49 1,254.76 270.66	3/14/2018 4/10/2018	3/14/2018 4/10/2018	Construction Work in Progress Construction Work in Progress	Tuscan VIII - Central St. OH Tuscan VIII - Central St. OH		
00000-0000-0006-6006 301700-01012	NH Management Burden	6 Alloc 3018 J AR - MAR18	270.66 294.1 50.35	4/10/2018	4/10/2018	Construction Work in Progress	Tuscan VIII - Central St. OH		
00000-0000-0006-6007 3017XX-01012 00000-0000-0006-6006 3017XX-01012	LU Corporate Burden NH Management Burden	6 Alloc 3018-LU - MAR18 6 Alloc 3018-LAB - MAY18	121.98	4/10/2018 6/12/2018	4/10/2018 6/12/2018	Construction Work In Progress Construction Work In Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		
00000-0000-0006-6007 3017XX-01012 00000-0000-0006-6006 3017XX-01012	LU Corporate Burden NH Management Burden	6 Alloc 3018-LU - MAY18 6 Alloc 3018-LAB - NOV18	94.18	6/12/2018	6/12/2018 12/27/2018	Construction Work In Progress Construction Work In Progress	Tuscan Vill - Central St. OH Tuscan Vill - Central St. OH		
00000-0000-0006-6007 3017xx-01012	LU Corporate Burden	6 Alloc 3018-LU - NOV18	-13.56 -13.56 43.65	12/27/2018 12/27/2018 1/29/2018	12/27/2018	Construction Work In Progress	Tuscan Vill - Central St. OH		
42700-0000-0009-0000 3017/01-01012	AFUDC Clearing	9 8830 AFUDC DEC 17	43.65 \$ 92,008.52	1/29/2018	1/29/2018	Construction Work In Progress	Tuscan Vill - Central St. OH		

Cost Code String WS Job Number	Cost Code Description	Cost Element Transaction Description	Transaction Amount	Document Date	GL Posting Date	Item Number Account Description	WS Job Name	Vendor Name	ITEMPESC
00000-0001-0001-0000 3018xx-01001	Labor-Install	1 ACCRUAL - PAYROLL	577.0		1/31/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018xx-01001	Labor-Install	1 ACCRUAL - PAYROLL	-577.0		2/1/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018xx-01001	Labor-Install	1 01/28/2018 to 02/03/2018	157.3		2/9/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018xx-01001	Labor-Install	1 01/28/2018 to 02/03/2018	419.6		2/9/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018xx-01001	Labor-Install	1 07/08/2018 to 07/14/2018	322.9		7/20/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 08/05/2018 to 08/11/2018	444.0		8/17/2018	Construction Work in Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 08/05/2018 to 08/11/2018	1130.2		8/17/2018	Construction Work in Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 ACCRUAL - PAYROLL	430.5		8/31/2018	Construction Work in Progress Construction Work in Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 ACCRUAL - PAYROLL	430.5 -430.5		9/1/2018	Construction Work in Progress Construction Work in Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install		430.5		9/7/2018		TUSCAN VILLAGE UG		
		1 08/26/2018 to 09/01/2018	430.5			Construction Work In Progress			
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 09/02/2018 to 09/08/2018			9/14/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 09/02/2018 to 09/08/2018	968.7		9/14/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 10/07/2018 to 10/13/2018	430.5		10/19/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 10/14/2018 to 10/20/2018	215.2		10/26/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 ACCRUAL - PAYROLL	2,475.7			Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 ACCRUAL - PAYROLL	-2,475.7		11/1/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 10/21/2018 to 10/27/2018	1,022.5		11/2/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 10/28/2018 to 11/03/2018	161.4		11/9/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 10/28/2018 to 11/03/2018	1,937.5		11/9/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 ACCRUAL - PAYROLL	1,022.5		11/30/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 ACCRUAL - PAYROLL	-1,022.5		12/1/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 11/25/2018 to 12/01/2018	807.		12/7/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 11/25/2018 to 12/01/2018	861.1		12/7/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 12/02/2018 to 12/08/2018	430.5	12/14/2018	12/14/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 12/09/2018 to 12/15/2018	430.5	12/21/2018	12/21/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Imitall	1 12/16/2018 to 12/22/2018	1.291.6	12/28/2018	12/28/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001	Labor-Install	1 ACCRUAL - PAYROLL	430.5	12/31/2018	12/31/2018	Construction Work In Progress	TUSCAN VILLAGE UG		
00000-0001-0001-0000 3018XX-01001 36700-0001-0002-0000 3018XX-01001		1 ACCRUAL - PAYROLL 2					TUSCAN VILLAGE UG TUSCAN VILLAGE UG		SWITCHGEAR PADMOUNT 3PH 14-4kV 600A 2 SWITCH DEADFRONT PIME® W/FUSES SM20 AUTO TRANSFER W/SUPVICIONTRL
	Labor-Install Mat-UG Cond & Devices Vou-UG Cond & Devices	1 ACCRUAL - PAYROLL 2	430.5 263,970.0 263,970.0	12/28/2018				S&C ELECTRIC COMPANY	SWITCHGEAR PADMOUNT 3PH 14-AkV 600A 2-SWITCH DEADFRONT PIME-0 W/FUSES SM20 AUTO TRANSFER W/SUPVCONTIR.
36700-0001-0002-0000 3018XX-01001	Mat-UG Cond & Devices	2	263,970.0	12/28/2018	12/28/2018	8830-9202302 Construction Work In Progress	TUSCAN VILLAGE UG	S&C ELECTRIC COMPANY	SWITCHSEAR PADMOUNT 3PH 34-4kV 600A 2 SWITCH DEADFRONT PME-9 W/FUSES SM20 AUTO TRANSFER W/SUP/CONTIR.
36700-0001-0002-0000 3018XX-01001 36700-0001-0004-0000 3018XX-01001	Mat-UG Cond & Devices Vou-UG Cond & Devices	2 4	263,970.0 263,970.0	12/28/2018 12/21/2018 2/12/2018	12/28/2018 12/31/2018	8830-9202302 Construction Work In Progress Construction Work In Progress	TUSCAN VILLAGE UG TUSCAN VILLAGE UG	S&C ELECTRIC COMPANY	SWITCHGEAR PARMOUNT 3PH 14-86V 600A 2 SWITCH DEADFRONT PME-8 W/FUSES SAZO AUTO TRANSFER W/SUP/CONTIN
36700-0001-0002-0000 3018XK-01001 36700-0001-0004-0000 3018XK-01001 00000-0000-0006-6001 3018XK-01001	Mat-US Cond & Devices Vou-US Cond & Devices Labor Burden	2 4 6 Allo: 3018-BRD - JAN18	263,970.0 263,970.0 653.0	12/28/2018 12/21/2018 2/12/2018 3/14/2018	12/28/2018 12/31/2018 2/12/2018	8830-9202302 Construction Work In Progress Construction Work In Progress Construction Work In Progress	TUSCAN VILLAGE UG TUSCAN VILLAGE UG TUSCAN VILLAGE UG	S&C ELECTRIC COMPANY	SWITCHEAR PARMOUNT 3PH 14-46V 600A 2 SWITCH CHAPTRONT PARE Ø WJPUASS SMOO AUTO TRANSFER WJPUPVCONTRE
36700-0001-0002-0000 3018XX-01001 36700-0001-0004-0000 3018XX-01001 00000-0000-0006-6001 3018XX-01001 00000-0000-0006-6007 3018XX-01001	Mat-US Cond & Devices Vou-US Cond & Devices Labor Burden LU Corporate Burden	2 4 6 Allo: 3018-BRD - JAN18 6 Allo: 3018-U - FEB18	263,970.0 263,970.0 653.0 20.7	12/28/2018 12/21/2018 2/12/2018 3/14/2018 1 3/14/2018	12/28/2018 12/31/2018 2/12/2018 3/14/2018	8830-9202902 Construction Work in Progress Construction Work in Progress Construction Work in Progress Construction Work in Progress	TUSCAN VILLAGE UG TUSCAN VILLAGE UG TUSCAN VILLAGE UG TUSCAN VILLAGE UG	S&C ELECTRIC COMPANY	SWITCHEAR MANAGERT BHI 14.44 660A 3 SWITCH CRASHICHT PME 8 WITUES SAIDS AUTO TRANSFER WAUNFCONTIS.
36700-0001-0002-0000 3018XK-01001 36700-0001-0004-0000 3018XK-01001 00000-0000-0006-6001 3018XK-01001 00000-0000-0006-6007 3018XK-01001 00000-0000-0006-6006 3018XK-01001	Mat-UG Cond & Devices Vou-UG Cond & Devices Labor Burden LU Corporate Burden NH Management Burden	2 4 6 Alloc 3018-BRD - JAN18 6 Alloc 3018-LU - FEB18 6 Alloc 3018-LAB - FEB18	263,970.0 263,970.0 653.0 20.7 123.7	12/28/2018 12/21/2018 2/12/2018 3/14/2018 3/14/2018 8/10/2018	12/28/2018 12/31/2018 2/12/2018 3/14/2018 3/14/2018	8830-9202302 Construction Work In Progress	TUSCAN VILLAGE UG	S&C ELECTRIC COMPANY	SMITOREAN PARAMENT SHE SE MY 6004 2 SMITOR EXCENDENT PINE 9 WITH USES SADD AUTO TRANSPER WYSUNCOMIN.
35700-0001-0002-0000 3018XX-01001 \$5700-0001-0003-40000 3018XX-01001 00000-0000-0005-6001 3018XX-01001 00000-0000-0005-6005 3018XX-01001 00000-0000-0005-6005 3018XX-01001 00000-0000-0005-6005 3018XX-01001	Mat-UG Cond & Devices Vou-UG Cond & Devices Labor Burden LU Corporate Burden NH Management Burden LU Corporate Burden NH Management Burden NH Management Burden	2 4 6 Alloc 3018-BRD - JAN18 6 Alloc 3018-LU - FEB18 6 Alloc 3018-LU - JULY18 6 Alloc 3018-LU - JULY18 6 Alloc 3018-LAB - JULY18	263,970.0 263,970.0 653.0 20.7 123.7 15.5 89.7	12/28/2018 12/21/2018 2/12/2018 3/14/2018 3/14/2018 8/10/2018 8/10/2018	12/28/2018 12/31/2018 2/12/2018 3/14/2018 3/14/2018 8/10/2018 8/10/2018	8830-920302 Construction Work in Progress	TUSCAN VILLAGE UG	S&C ELECTRIC COMPANY	SMITCHEERE PARADOUNT SHY 14. BY 6864 2 SMITCH EREPRONTANCE 9 NUTUSES 5600 AUTO TRANSFER NUTSHINCOUTS.
3570-001-002-000 3018X-01001 35705-001-0054-000 3018X-01001 00005-005-0056-001 3018X-01001 00005-0050-0056-007 3018X-01001 00005-0050-0056-007 3018X-01001 00005-0050-0056-007 3018X-01001 00005-0050-0056-007 3018X-01001 00005-0050-0056-001 3018X-01001	Mat-UG Cond & Devices Vou-UG Cond & Devices Labor Burden LUC Corporate Burden NH Management Burden LUC Corporate Burden	2 4 6 Alloc 3018-BMD - JAN18 6 Alloc 3018-LU - FEB18 6 Alloc 3018-LU - FEB18 6 Alloc 3018-LU - JULY18 6 Alloc 3018-LD - JULY18 6 Alloc 3018-LD - JULY18	263,970.0 263,970.0 653.0 20.7 123.7 15. 80.7 457.6	12/28/2018 12/21/2018 12/21/2018 12/22/2018 13/14/2018 13/14/2018 18/10/2018 18/10/2018 18/10/2018	12/28/2018 12/31/2018 2/12/2018 3/14/2018 3/14/2018 8/10/2018 8/10/2018 8/10/2018	8830-920392 Construction Work in Progress	TUSCAN VILLAGE UG	S&C ELECTRIC COMPANY	SWITCHERM PARACURIT SHE'SE ANY 600A 2 SWITCH EXCENDINT PIECE WITCHES SADO AUTO TRANSFER WYSUNCONTIN.
35700-001-002-0000 1018XX-01031 35700-0031-004-0000 1018XX-01031 00000-0000-0006-6001 1018XX-01031 00000-0000-0006-6005 1018XX-01031	Mat-UG Cond & Devices Vos-UG Cond & Devices Labor Burden LU Corporate Burden NIN Management Burden LU Corporate Burden NIN Management Burden Lut Corporate Burden Labor Burden Labor Burden Labor Burden	2 4 Alloc 2018-RRD - MANIS 6 Alloc 2018-RRD - MANIS 6 Alloc 2018-RLU - FERIS 6 Alloc 2018-RLU - FERIS 6 Alloc 2018-RLU - RLYINS 6 Alloc 2018-RLU - RLYINS 6 Alloc 2018-RRD - MANIS 6 Alloc 2018-RRD - MANIS 6 Alloc 2018-RRD - MANIS	263,970.0 263,970.0 653.0 20.7 123.7 15.8 80.7 457.6 4,344.3	12/28/2018 12/21/2018 12/21/2018 12/12/2018 13/14/2018 13/14/2018 18/10/2018 18/10/2018 18/10/2018 19/13/2018	12/28/2018 12/31/2018 2/12/2018 3/14/2018 3/14/2018 8/10/2018 8/10/2018 8/10/2018 9/13/2018	8830-9203 92 Construction Work in Progress	TUSCAN VILLAGE UG	SEC ELECTRIC COMPANY	SMITOREAM PACKSOURT SHI 14 644 6004 2 SMITOR ERAPHONITHINE 9 WITHUS SADD AUTO TRANSPER WITHUNCOMING
36700-0001-0002-0000 10188X-01001 36700-0001-0004-0000 1368X-01001 00000-0000-0006-0001 1018XX-01001	Mat-UG Cond & Devices Vos-UG Cond & Devices Labor Burden LU Corporate Burden NH Management Burden LU Corporate Burden NH Management Burden Lubor Burden Labor Burden Labor Burden Labor Burden Labor Burden	2 4 AIOC 3018-RMD-JAN18 6 AIOC 3018-LU-FES18 6 AIOC 3018-LU-FES18 6 AIOC 3018-LU-INVY8 6 AIOC 3018-LU-INVY8 6 AIOC 3018-LU-JAVY8 6 AIOC 3018-MD-JULY18	263,970.0 263,970.0 653.0 20.7 123.7 15. 89.7 457.6 4,344.3 58.0	0 12/28/2018 0 12/21/2018 6 2/12/2018 6 3/14/2018 1 3/14/2018 1 8/10/2018 8 8/10/2018 8 8/10/2018 8 9/13/2018 9 9/14/2018	12/28/2018 12/31/2018 2/12/2018 3/14/2018 3/14/2018 8/10/2018 8/10/2018 8/10/2018 8/10/2018 9/13/2018 9/13/2018	8830-2023 22 Construction Work in Progress	TUSCAN VILLAGE UG	S&C ELECTRIC COMPANY	SANTONERAR PLOMOCHET SITE 14. 46Y 6004. 2 SWITCH ERACHRONT PARK 8 W/PUGES 5400 AUTO TRANSFER W/GUINCOATTIK
35700-0001-0002-0000 1018XX-01001 35700-0001-0004-0000 1018XX-01001 00000-0000-0006-6001 1018XX-01001 00000-0000-0006-6007 1018XX-01001 00000-0000-0006-6000 1018XX-01001 00000-0000-0006-6000 1018XX-01001 00000-0000-0006-6000 1018XX-01001 00000-0000-0006-6000 1018XX-01001 00000-0000-0006-6000 1018XX-01001 00000-0000-0006-6000 1018XX-01001 00000-0000-0006-6000 1018XX-01001 00000-0000-0006-6000 1018XX-01001	Mat-IUC Cend & Devices Vos-IUC Cend & Devices Labor Burden LU Corporate Burden LU Corporate Burden Nit Management Burden LU Corporate Burden Lu Corporate Burden Labor Burden Labor Burden Lu Corporate Burden LU Corporate Burden Nit Management Burden Nit Management Burden	2 4 Aloc 2018-RHD - MANUE 6 Alloc 2018-LU - FERIE 6 Alloc 2018-LU - FERIE 6 Alloc 2018-LU - RERIE 6 Alloc 2018-LU - RUTHE 6 Alloc 2018-LB - JULTE 6 Alloc 2018-RHD - JULTE 6 Alloc 2018-RHD - AUGUS 6 Alloc 2018-RHD - AUGUS 6 Alloc 2018-RHD - AUGUS 6 Alloc 2018-LU - AUGUS 6 Alloc 2018-LU - AUGUS	263,970.0 263,970.0 63.03.0 123.7 15.7 89.7 45.7.6 4.344.3 58.0	12/28/2018 12/21/2018 12/21/2018 13/14/2018 13/14/2018 13/14/2018 15/10/2018 15/10/2018 15/10/2018 15/10/2018 15/10/2018 15/10/2018 15/10/2018 15/10/2018 15/10/2018 15/10/2018 15/10/2018 15/10/2018 15/10/2018 15/10/2018	12/28/2018 12/31/2018 2/12/2018 3/14/2018 3/14/2018 8/10/2018 8/10/2018 8/10/2018 9/13/2018 9/14/2018 9/14/2018	8830-9203102 Construction Work in Progress Construction Work in Pr	TUSCAN VILLAGE UG	S&C ELECTRIC COMPANY	SWITCHEAR PLANQUETT 3HE 14 MY 6004 3 SWITCH ERACHRONT PARE 9 WITKESS SADD AUTO TRANSFER W/GUPLCONTE.
3670 003-004-000 1018X-01013 1570 0035-004-000 1018X-01013 10000 0000 0000-0000-0000 1018X-01013 10000 0000 0000-0000-0000-0000 1018X-01013 00000 0000-0000-0000-0000 1018X-01013 00000 0000-0000-0000-0000 1018X-01013 00000 0000-0000-0000-0000 1018X-01013 00000 0000-0000-0000-0001 1018X-01013 00000 0000-0000-0000-0001 1018X-01013 00000 0000-0000-0000-0001 1018X-01013 00000 0000-0000-0000-0001 1018X-01013 00000 00000-0000-0000-0000 1018X-01013 00000 00000-0000-0000-0000 1018X-01013 00000 00000-0000-0000-0000-0000-0	Mat-UG Cond & Devices Lubor Burden LU Corprote Burden Lubor Burden Lubor Burden Lubor Burden Lubor Burden LU Corprote Burden	2 6 Aloc 3018-810 - MAN18 6 Aloc 3018-810 - MAN18 6 Aloc 3018-810 - FEB18 6 Aloc 3018-810 - FEB18 6 Aloc 3018-810 - ALVIT18 6 Aloc 3018-810 - JULY18 6 Aloc 3018-810 - ALVIT18	265,970.0 263,970.0 653.0 20.7 123.7 15. 89.7 457.6 434.3 580.0 492.	12/28/2018 12/21/2018 2/12/2018 5 3/14/2018 5 3/14/2018 5 8/10/2018 5 8/10/2018 5 8/10/2018 5 8/10/2018 6 8/10/2018 6 8/10/2018 6 8/10/2018 6 9/13/2018 6 9/14/2018 6 9/14/2018 10/12/2018	12/28/2018 12/31/2018 2/11/2018 3/14/2018 3/14/2018 8/10/2018 8/10/2018 8/10/2018 9/13/2018 9/14/2018 9/14/2018 10/12/2018	#830-0203202 Conntrotedon Work in Progress Conntrotedon Work in Progress Conntrotedon Work in Progress Construction Work in Pr	TUSCAN VILLAGE UG	SAC ELECTRIC COMPANY	SMITCHEAR PARKOUNT 3PH 14 64 6864 2 SMITCH ERAPHONT PINE 9 WITHOUTS SADD AUTO TRANSFER WITHUNCOMTIK.
38700-0031-0067-4000 10318X-01031 \$8700-0031-0064-4000 10318X-01031 00000-0000-0006-4001 10318X-01031 00000-0000-0006-4007 10318X-01031	Mat-100 Cond & Devices Vers-105 Cond & Devices Labor Bracien Lithor Bracien RH Management Burden RH Management Burden RH Management Burden RH Management Burden Libor burden Libor burden Lib Corporate Burden RH Management Burden LI Corporate Burden RH Management Burden	2 4 6 Aloc 3018-807 - MAN18 6 Aloc 3018-807 - MAN18 6 Aloc 3018-807 - FEB18 6 Aloc 3018-807 - FEB18 6 Aloc 3018-807 - AUXTIB 6 Aloc 3018-807 - SEPTIB	28,970.0 26,970.0 65.10 20.7 122.7 15. 80.7 457.6 44.43 58.0 42.2 37.8 24.64 24.65	12/28/2018 12/21/2018 5 2/12/2018 5 3/14/2018 5 3/14/2018 6 3/14/2018 6 8/10/2018 6 8/10/2018 6 9/13/2018 6 9/14/2018 6 9/14/2018 6 10/12/2018 6 10/12/2018	12/28/2018 12/31/2018 2/12/2018 3/14/2018 3/14/2018 8/10/2018 8/10/2018 8/10/2018 9/13/2018 9/14/2018 9/14/2018 10/12/2018	8830-9203102 Construction Work in Progress Construction Work in Pr	TUSCAN VILLAGE UG	S&C ELECTRIC COMPANY	SANTONERAR PLOMOCHAT SHIP LA 46Y 6004 2 SWITCH ERACHRONT PARK 8 W/PUGES SADO AUTO TRANSFER W/GUINCOATRI.
36704 0001-0003-0000 10018X-01001 56704 0001-0006-40000 1018X-01001 00000 0000-0006-6001 1018X-01001 00000 0000-0006-6007 1018X-01001 00000 0000-0006-6007 1018X-01001 00000 0000-0006-6007 1018X-01001 00000 0000-0006-6007 1018X-01001 00000 0000-0006-6007 1018X-01001 00000 0000-0006-6001 1018X-01001 00000 0000-0006-6001 1018X-01001 00000 0000-0006-6007 1018X-01001 00000 0000-0006-6007 1018X-01001 00000 0000-0006-6007 1018X-01001 00000 0000-0006-6007 1018X-01001	Mat-10 Cond & Devices Vega-105 Cond & Devices Labor Burden Labor Burden NIT Minagement Burden NIT Minagement Burden Labor Burden NIT Minagement Burden NIT Minagement Burden NIT Minagement Burden Liabor Burden Liabor Burden Liabor Burden Liabor Burden	2 4 6 Alloc 3018-88D - MATIE 6 Alloc 3018-84D - MATIE 6 Alloc 3018-44D - FEB3E 6 Alloc 3018-44D - ALVISE 6 Alloc 3018-84D - SEPTIE	283,970.0 283,970.0 283,970.0 29.7 123.7 15.8 29.7 43.76.3 43.64.3 402.3 33.8 244.6 2,233.3	0 12/28/2018 0 12/21/2018 0 12/21/2018 0 12/21/2018 0 3/14/2018 1 8/10/2018 0 8/10/2018 0 8/10/2018 0 8/10/2018 0 9/14/2018 0 9/14/2018 1 10/12/2018 0 10/12/2018 0 10/12/2018	12/28/2018 12/31/2018 2/12/2018 3/14/2018 3/14/2018 8/10/2018 8/10/2018 9/13/2018 9/14/2018 9/14/2018 10/12/2018 10/12/2018	### 2022/2022 Commencing Work in Progress Commission Work	TUSCAN VILLAGE UG	SAC ELECTRIC COMPANY	SWITCHEAR PLANQUET 3HI 14 MY 6004 3 WHICH ERACHION FINE 8 WITKES SMOR AUTO TRANSFER W/GUPLCONTE.
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\$100,000,000,000,000,000,000,000,000,000	Mat-NG Cond & Devices Vap-LGG Cond & Devices Labor Burden Libor Burden LIX Corporate Burden NH Minagement Burden NH Minagement Burden Libor Burden NH Minagement Burden Libor Burden	2 4 6 Alloc 2018-0810 - MANTES 6 Alloc 2018-14 - FREES 6 Alloc 2018-14 - ALLOS 6 Alloc 2018-18 - ALLOS 6 Alloc 2018-14 - ALLOS	76,9700 76,9700 63.07 127.7 137.7 14	0 12/28/2018 0 12/28/2018 1 2/2/2018 1 2/2/2018 2 3/24/2018 2 3/24/2018 2 3/24/2018 2 3/24/2018 2 3/22/2018 2 3/22/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018 2 3/2/2018	12/28/2018 2/31/2018 2/11/2018 3/14/2018 3/14/2018 3/14/2018 3/16/2018 3/16/2018 3/16/2018 3/16/2018 3/14/2018 3/14/2018 10/12/2018 10/12/2018 10/12/2018 11/26/2018 11/26/2018	#\$10-9203202 Communication Water in Progress Communication Wat	TUSCAN VILLAGE UG	SSC FLECTRE COMMON!	SANTONERAR PLOMOCHAT SHIP LA 46Y 600A 21 SWITCH ERACPRICINT PARK 2 NUTRUES SADO AUTO TRANSFER NUTURINCOLITIS.
18070-0001-0002-0000-0000-0000-0000-0000-0	Mat USC Come & Devices Very USC Come & Devices Labor Burden Lidor Burden Lidor Burden Nit Management Burden Nit Management Burden Nit Management Burden Nit Management Burden Lidor Burden	4 Aloc 2018 BID: AMILE 6 Aloc 2018-BID: AMILE 6 Aloc 2018-LU - FEITE 6 Aloc 2018-LU - FEITE 6 Aloc 2018-LU - FEITE 6 Aloc 2018-LU - FEITE 6 Aloc 2018-BID: -AMILE 6 Aloc 2018-BID: -AMILE 6 Aloc 2018-BID: -AMILE 6 Aloc 2018-LU - SPITE 6 Aloc 2018-LU - SPITE 7 Aloc 2018-LU - SPITE 8 A	36,970 2 36,970 2 36,970 2 37,	0 12/82/018 0 12/12/018 0 12/12/018 0 12/12/018 0 12/12/018 0 13/14/018	12/28/2018 12/31/2018 2/11/2018 3/14/2018 3/14/2018 3/14/2018 8/10/2018 8/10/2018 8/10/2018 9/13/2018 9/14/2018 10/12/2018 10/12/2018 11/26/2018 11/27/2018 11/27/2018	### 0.0000000 Communicates Water in Progress Communicates Wat	TUSCAN VILLAGE UD	SAC ELECTRIC COMPANY	SANTONEARA PARAMOUNT 3HI 14 AM 1666 3 SWITGI ERACIRIONT PARE 9 WIYUGIS SADO AUTO TRANSFER WIGUINCONTE.
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\$100,000 - 0	Mat U.G. Comf & Debens Verval Grand & Demen Labor Burden	2 del STA MED - JANUS 6 Alles STA MED - JANUS	36,970 2 36,970 2 36,970 2 37,	12/82/2018 12/12/2018 12/12/2018 13/14/2018	12/28/2018 17/31/2018 2/11/2018 3/14/2018 3/14/2018 3/14/2018 8/10/2018 8/10/2018 8/10/2018 9/13/2018 9/13/2018 10/12/2018 10/12/2018 11/26/2018 11/26/2018 11/27/2018 11/27/2018 12/27/2018 12/27/2018	#\$10-020322 Cementation Work in Progress Commissions Work in Progress Comm	TUSCAN VILLAGE OF THE STATE OF	SEC ELECTRIC COMPANY	SANTONERAR PLOMOCHAT SHIP LA 46Y 600A 2 SWITCH DEADTRONT PARK 8 W/PUGES SADD AUTO TRANSFER W/GUINCOATTIK
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\$200,000 (20	MAS US COME & Doctors Very Life Client & Devices Lider Burden Lider Bu	2 A Marc 2014 A MICH 2014 A MI	20,970 C 20,	0 12/88/2018 0 12/12/12/18 0 12/12/12/18 0 12/12/18 0 3/14/2018 0 3/14/2018 0 3/14/2018 0 3/14/2018 0 3/14/2018 0 3/14/2018 0 3/14/2018 0 3/14/2018 0 3/14/2018 0 10/12/2018 0 11/16/2018	1/28/2018 2/12/1018 2/12/2018 3/14/2018 3/14/2018 3/14/2018 3/14/2018 3/14/2018 3/14/2018 3/14/2018 3/14/2018 3/14/2018 3/14/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018 1/12/2018	### 2003222 Commontates Work in Progress Commontates Work in Prog	TUSCAN VILLAGE US TUSCAN VILLA	SAC RECINC COMPANY	SANTONEARA PLANAQUATT 3PH 14 46V 4664 3 SWITGI ERACHRONT PARE 9 WITKESS SADD AUTO TRANSFER W/GUPLCONTE.
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Cost Code String	WS Job Number	Cost Code Description	Cost Element	Transaction Description	Transaction Amount	Document Date	GL Posting Date	Vendor ID	Item Number	Account Description	WS Job Name	Vendor Na
00000-0001-0001-0000	3018XX-01008	Labor-Install		1 11/04/2018 to 11/10/2018	430.56	11/16/2018	11/16/2018			Construction Work In Progress	Hanover Co, 71 Rockingham Park	
00000-0001-0001-0000	3018XX-01008	Labor-Install		1 11/04/2018 to 11/10/2018	161.46	11/16/2018	11/16/2018			Construction Work In Progress	Hanover Co, 71 Rockingham Park	
00000-0001-0001-0000	3018XX-01008	Labor-Install		1 11/11/2018 to 11/17/2018	80.73	11/23/2018	11/23/2018			Construction Work In Progress	Hanover Co, 71 Rockingham Park	
00000-0001-0001-0000	3018XX-01008	Labor-Install		1 11/11/2018 to 11/17/2018	1,345.50	11/23/2018	11/23/2018			Construction Work In Progress	Hanover Co, 71 Rockingham Park	
00000-0001-0001-0000	3018XX-01008	Labor-Install		1 11/18/2018 to 11/24/2018	242.19	11/30/2018	11/30/2018			Construction Work In Progress	Hanover Co, 71 Rockingham Park	
00000-0001-0001-0000	3018XX-01008	Labor-Install		1 11/18/2018 to 11/24/2018	861.12	11/30/2018	11/30/2018			Construction Work In Progress	Hanover Co, 71 Rockingham Park	
00000-0000-0006-6001	3018XX-01008	Labor Burden		6 Alloc 3018-BRD - NOV18	4,056.33	12/27/2018	12/27/2018			Construction Work In Progress	Hanover Co, 71 Rockingham Park	
00000-0000-0006-6006	3018XX-01008	NH Management Burden		6 Alloc 3018-LAB - NOV18	719.84	12/27/2018	12/27/2018			Construction Work In Progress	Hanover Co, 71 Rockingham Park	
00000-0000-0006-6007	3018XX-01008	LU Corporate Burden		6 Alloc 3018-LU - NOV18	616.02	12/27/2018	12/27/2018			Construction Work In Progress	Hanover Co, 71 Rockingham Park	
					8513.75							



Docket No. DE 19-064 Attachment Staff TS 1-18.c Page 1 of 4

		Construction A	Advance for:		Date:	3-Aug-17	
Policy#	4	_		N			
Name: Mailing	Tuscan Village UCD	Sen		Tuscan Vilalge North			
Address	OMJ Realty 33 Main St, Salem NH	1	& Address				
Cust. Rate:	G-3						
Service Type:	New						
**							
No. of meters at this rate: Work Request # =			Rep.: Work Order # =				
Work Request# =	10001940		Work Order # =	-			
	INCREMENTAL L	OAD & REVENUE	SECTION For polic	ies 1 & 2, Information	can be entered here for i	information purposes on	ly
Will this construction re	ecult in the customer havin	as a brand now account	2 (V or N)	ĺ	Υ	<== If this is a second service	onter "N" here!
What % of the load you			.: (1 OI W)		0.00%	<== II tills is a second service	s, enter in nere:
3. What % of the load you			rst 12 months		100.00%		
Minimum Billin	a Domondi	0	1	R = Total Annual			
	g Demand: . Billing Demand	0.0	Dietributio	n Co. Revenue>	\$0.00	To see Revenue, fill in 1-3	above
Total Est. Ann		0.0	Distributio	II Co. Revenue	\$0.00	10 See Neverlue, III II 1-3	above
10101 251. 71111	iddi KVVII	0.0	J				
			CON	ISTRUCTION COSTS			
	Standard	Misc or	Added Service or	Suctom		1	
	Construction	Temp Service	Non-Standard	System System			
	Construction	Costs	Costs (4)	Improvements Costs	Total Costs	Service Method:	Overhead
Capital Costs		\$0.00	\$0.00	\$96,895.32	\$720,871.17		Overnead
Removal Costs		\$0.00	\$0.00	\$0.00	\$0.00	Center Line Footage:	1
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	_	
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Number of Houses:	1
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
-	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Number of Buildable Lots:	11
Total	\$623,975.85	\$0.00	\$0.00	\$96,895.32	\$720,871.17	,	
		POLI	CV 4 EOD COMMED	CIAL AND INDUSTRIA	I DEVELOPMENTS		
Where		FOLI	OT 41 OK COMMEN	A = C - [B*N]	L DEVELOP WILKIN		
	on costs subject to rev	enue justification (1)	- =	\$623 975.85		
	redit per buildable lot		,	=	\$4,500 00	:	
N = Number of				=	5		
Credit for Reve					\$22,500 00		
A = Construction	on Advance			=	\$601,475.85	:	
		POLICY	3 FOR INDIVIDUAL C	OMMERCIAL AND INC	USTRIAL CUSTOMERS		
Where		. 02.0.	0.000	A = C - [R/k]			
	on costs subject to rev	enue justification (1)	=	\$623,975.85		
	nated Annual Distribut			=		Cust. Chg.\$ + Dist.kw\$ + Dist.l	cwh\$
k = Annual Car				=	24.11%		
Credit for Reve					\$0 00	:	
A = Construction	on Advance			=	\$0.00		
	Р	OLICY 2 - RESIDE	NTIAL DEVELOPME	NT CONSTRUCTION A	DVANCE CALCULATION	N SECTION	
		02.01 2 1120.02		Overhead	21711102 071200271110.		
Overhead					ntial Development only		
	eded to serve the cust		1	Centerline Footage:		1	
	t/Home allowed by po	olicy:	100	Number of Ft/Home		100	
	omes being built:		1	Number of Homes be		1	
	r of Feet allowed:		100	Total number of Fee		100	
	eet over allowance et in excess of the Allo	nwance.	\$0.00	Number of feet over a Cost/ft for feet in exce		0 \$0.00	
	sts to reach the devel		\$0.00	Additional costs to re		\$0.00	
	erhead development	<u>· </u>	\$0.00	Total for Underground		\$0.00	
Overhead Sim	gle Home, only if be				DVANCE CALCULATION	SECTION	
	gie Home, only it be erhead line extension	yonu i pole and sp	an 1	Underground Sin	ing underground service:	\$1.00	
	id span length(Minimu	m of 300 feet)	300	COSt of provide	Policy-1 Allowance:	\$3 420 00	
	Line Footage	,	0	†	Cost to Customer::	\$0.00	
Cost to Custo			\$0.00	I	!		
AMO	UNT DUE:		\$601,475.85				
	-		Split into 2 payments 291,40				
			231,40				

Attachment JED-3g

Docket No. DE 19-064 Attachment Staff TS 1-18.c Page 2 of 4

Policy 4 - Electric Commercial & Industrial Development Service Agreement



Project Information:	
Work Request No8	830-18001946
No. of Buildable Lots	5
Total Estimated Cost	\$623,975.85
Customer Advance Paym	nent(\$291,405.62 Phase I
Additional Cost to get	Collected in Phase 1
to Development	\$310,070,23 Phase II Amount Due with this Agreement
mark@grossanre.com	
	Work Request No. 8 No. of Buildable Lots Total Estimated Cost Customer Advance Paym Additional Cost to get to Development

contamination at or in the vicinity of the Premises. This indemnity and release provision survives the expiration or termination of this Agreement and extends to the respective successors and assigns of Liberty Utilities and Applicant.

Developer Signature

Liberty Utilities Rep Signature

patie Date 8-16-17



Policy 3 - Electric Individual Commercial & Industrial Customer Service Agreement

Project Information:
Work Request No. 3018xx-01008
Service Method (OH/UG)
Rate House Mtr G3; Resi Units D
Voltage120/208
Meteringsecondary
Discounts (HVM, HVD, Both, None) <u>none</u>
Customer Advance Payment \$21,019.83
Costs outside of Policy 3, Non-standard
Construction 0
21 = 2

Liberty Utilities (Granite State) Corp. d/b/a Liberty Utilities agrees to install electric distribution facilities to the above location (Premises). This agreement is subject to Liberty Utilities' Terms and Conditions, copy attached. I understand that I may cancel this agreement, without obligation, prior to the installation of the electric service. I hereby authorize Liberty Utilities to install electric distribution facilities to the address noted above and to apply funds represented on the attached check to pay my customer contribution.

The Developer shall, to the fullest extent permitted by law, indemnify, defend, hold harmless and release Liberty Utilities, its parent company, affiliates and subsidiaries and their respective directors, officers, employees, agents, servants, representatives, successors and assigns from and against all claims, demands, liabilities or expenses related to environmental contamination at or in the vicinity of the Premises. This indemnity and release provision survives the expiration or termination of this Agreement and extends to the respective successors and assigns of Liberty Utilities and Applicant.

Customer Signature	Michael R King - Project Executive	Date 7-15-2019	
Liberty Utilities Rep	Signature Jill Fitzpatrick	Digitally signed by Jill Fitzpatrick DN: cn=Jill Fitzpatrick o=Liberty Utilities, ou=Business and Community Development, enailing Jitzpatrick@libertartilities.com, c=US Date: 2019.07.15 10.49.06-0400° Date: 2019.07.15 10.49.06-0400°	

Docket No. DE 19-064 Attachment Staff TS 1-18.c Page 4 of 4

Construction Advance for:					Date:	24-Oct-19	
Policy#	3						
Name: Mailing	The Hanover Co 2 Seaport Lane, FI 11		vice/Development Name	The Hanover 1 Rockingham Park Blv	.d		
Address	Boston, MA 02210		& Address	Salem, NH 03079	, u		
Cust. Rate:	D						
Service Type:	New						
No. of meters at this rate:	283			Jill Fitzpatrick			
Work Request # =	3018xx-01008		Work Order # =				
INCREMENTAL LOAD & REVENUE SECTION For policies 1 & 2, Information can be entered here for information purposes only							
1. Will this construction result in the customer having a brand new account? (Y or N) Y <== If this is a second service, enter "N" here!							
2. What % of the load you entered will, in your opinion, beoff peak? 3. What % of the load you entered will, in your opinion, materialize in the first 12 months 100,00%							
3. What % of the load you entered will, in your opinion, materialize in the first 12 months 100.00%							
Minimum Billing Demand: 0				R = Total Annual		l	
12 Months Est. Billing Demand 15 653.3 Total Est. Annual kWh 2,906,224.0			Distribution Co. Revenue>		\$202,620.00 To see Revenue, fill in 1-3 above		
CONSTRUCTION COSTS							
	Standard	Misc or	Added Service or	System			
	Construction	Temp Service	Non-Standard	Improvements Costs	Total Costs	O Malland	He down on d
Capital Costs	Costs \$861,418.01	Costs \$0.00	Costs (4) \$0.00	\$0.00	\$861,418.01	Service Method:	Underground
Removal Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Center Line Footage:	1
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	Number of Houses:	1
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Number of Buildable Lots:	1
Total	\$861,418.01	\$0.00	\$0.00	\$0.00	\$861,418.01	_	
POLICY 4 FOR COMMERCIAL AND INDUSTRIAL DEVELOPMENTS							
Where A = C - [B * N]							
	on costs subject to re	venue justification (1)	=	\$861,418.01		
B = Allowed Credit per buildable lot N = Number of buildable lots				= =	\$4,500.00 1		
Credit for Revenue =				_	\$4 500.00		
A = Constructio	on Advance			=	\$856,918.01		
POLICY 3 FOR INDIVIDUAL COMMERCIAL AND INDUSTRIAL CUSTOMERS							
Where A = C - [R / k]							
	on costs subject to re			=	\$861,418.01		
R = Total Estim k = Annual Cari	nated Annual Distribu	tion Revenue within	one year	= =	\$202,620.00 24.11%	Cust. Chg.\$ + Dist.kw\$ + Dist.	kwh\$
Credit for Revenue =				_	\$840,398.18		
A = Construction Advance				=	\$21,019.83		
POLICY 2 - RESIDENTIAL DEVELOPMENT CONSTRUCTION ADVANCE CALCULATION SECTION							
Underground							
Overhead Underground Residential Development only							
No of Ft. needed to serve the cust: Number of Ft/Home allowed by policy: 100				Centerline Footage:	allowed by relieve	1	
			100 1	Number of Ft/Home allowed by policy: Number of Homes being built:		100	
Total number of Feet allowed: 100				Total number of Feet allowed:		100	
	et over allowance		0	Number of feet over allowance		0	
	et in excess of the Allests to reach the deve		\$0.00 \$0.00	Cost/ft for feet in excess of the Allowance Additional costs to reach the development		\$0.00 \$0.00	
Total for Overhead development \$0.00			Total for Undergroun		\$0.00		
POLICY 1 - SINGLE RESIDENTIAL HOME CONSTRUCTION ADVANCE CALCULATION SECTION							
Overhead Single Home, only if beyond 1 pole and span Underground Single Home only							
Length of overhead line extension 0				Cost of providing underground service:		\$1 00	
One overhead span length(Minimum of 300 feet) Billed Center Line Footage			300 0	Policy-1 Allowance: \$3 420.00 Cost to Customer:: \$0 00			
Cost to Custo			\$0.00		Cook to Oustomer.	φυ σο	
AMO	UNT DUE:		\$21,019.83				

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 2

Date Request Received: 10/22/19

Request No. Staff TS 2-4

Date of Response: 11/5/19

Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

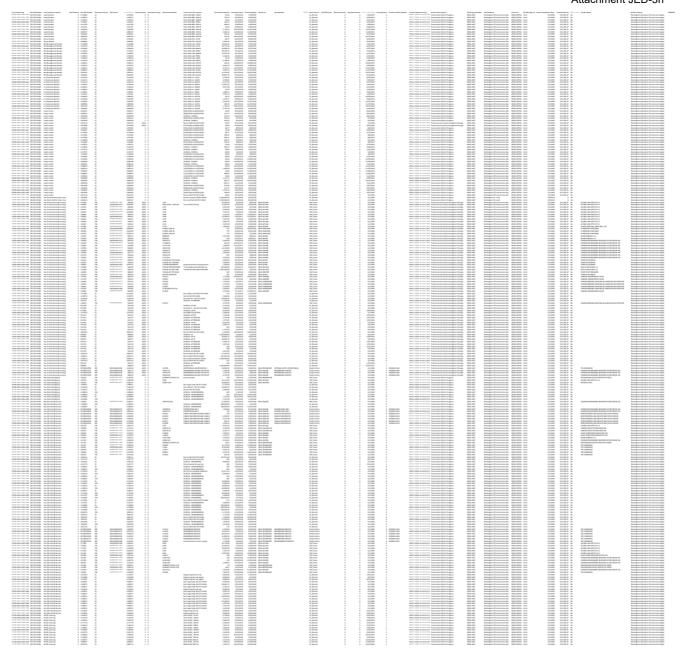
REQUEST:

Re: Staff 9-3; Project 8830-1867 Rockingham Substation Trans Supply. Please provide the following information for this project:

- a. An itemized break-out of the legal, permitting, and engineering costs, AFUC, and any additional costs leading up to the variance of -\$125,505.
- b. Change Order/Over Expenditure forms.
- c. Project Close Out Report
- d. Work orders/spreadsheets associated with the project.
- e. Copies of all correspondence with FERC granting Liberty an E-1 exemption.

RESPONSE:

- a. Please see Attachment Staff TS 2-4.a.xlsx.
- b. Project 8830-1867 does not have a close-out for 2017 and 2018. There was nothing charged against this project in account 107 (CWIP) in 2017, therefore, a project close-out was not completed (the capital spend would be \$0 for the year) and all charges went to 8830-PE. In 2017, we charged the \$1.5 million land purchase to 8830-1867, which was then corrected and charged to 8830-1864, the project for the Rockingham substation.
- c. See response to part b.
- d. Please see part a.
- e. Please see Attachment Staff TS 2-4.e.



Docket No. DE 19-064 Attachment Staff TS 2-4.e Page 1 of 4

Heather Tebbetts

From: Anthony Strabone

Sent: Tuesday, October 29, 2019 10:37 AM

To: Heather Tebbetts

Subject: FW: Granite State E1 Exclusion Proposal

Anthony Strabone | Liberty Utilities (New Hampshire) | Manager, Electric Engineering

P: 603-952-2915 | C: 603-327-9367 | E: Anthony.Strabone@libertyutilities.com

From: Fred Meyer

Sent: Wednesday, August 28, 2019 4:50 PM

To: Anthony Strabone <Anthony.Strabone@libertyutilities.com>; Joel Rivera <Joel.Rivera@libertyutilities.com>; Anthony

Strabone <Anthony.Strabone@libertyutilities.com>; Charles Rodrigues <Charles.Rodrigues@libertyutilities.com>

Cc: Mary Ellen Paravalos <MaryEllen.Paravalos@LibertyUtilities.com>; Johnny Johnston

<Johnny.Johnston@APUCorp.com>; James Sweeney <James.Sweeney@libertyutilities.com>; David Swain

<David.Swain@libertyutilities.com>

Subject: FW: Granite State E1 Exclusion Proposal

Great News!!

This ruling prevents Granite State from having to comply with approximately 1,500 NERC requirements due to the construction of the 115kV line. This is a huge win for Granite State! Great Job everyone for being responsive and patient while NPCC dealt with our exclusion request and worked through the NERC process!! It took several months of waiting, but we achieved the results we wanted.

If you have any questions, please feel free to contact me.

Thank you!

Fred Meyer | Liberty Algonquin Business Services (USA) | Director, Nerc Compliance P: 417-625-4289 | C: 417-291-6603 | E: Fred.Meyer@libertyutilities.com

From: Scott A. Nied [mailto:snied@npcc.org]
Sent: Wednesday, August 28, 2019 3:42 PM

To: Fred Meyer

Cc: Marie Kozub; Joel Rivera; Anthony Strabone; Charles Rodrigues

Subject: Re: Granite State E1 Exclusion Proposal

Yes, the facilities meet the E1 excursion afforded by the approved BES Definition.

Scott Nied.

Thank you,

Scott Nied NPCC Acting Assistant Vice President - Compliance 212-205-7056 Office 917-693-1127 Cell

Docket No. DE 19-064 Attachment Staff TS 2-4.e Page 2 of 4

From: Fred Meyer < Fred.Meyer@libertyutilities.com > Sent: Wednesday, August 28, 2019 4:19:40 PM

To: Scott A. Nied < snied@npcc.org>

Cc: Marie Kozub <<u>mkozub@npcc.org</u>>; Joel Rivera <<u>Joel.Rivera@libertyutilities.com</u>>; Anthony Strabone <<u>Anthony.Strabone@libertyutilities.com</u>>; Charles Rodrigues <<u>Charles.Rodrigues@libertyutilities.com</u>>

Subject: RE: Granite State E1 Exclusion Proposal

Thanks Scott,

Does this mean we can take your email as approval of the E1 exclusion for Granite State, and no further work is required on our part to have the exclusion approved?

Fred Meyer | Liberty Algonquin Business Services (USA) | Director, Nerc Compliance P: 417-625-4289 | C: 417-291-6603 | E: Fred.Meyer@libertyutilities.com

From: Scott A. Nied [mailto:snied@npcc.org]
Sent: Wednesday, August 28, 2019 3:04 PM

To: Fred Meyer

Cc: Marie Kozub; Joel Rivera; Anthony Strabone; Charles Rodrigues

Subject: Re: Granite State E1 Exclusion Proposal

Fred,

You do not have to enter your self determined E1 exclusion into the BESnet portal.

NPCC agrees with your E1 determination for Granite State for the capital work that has been explained to us via the one-lines.

The portal is only being used for Exception Requests by the entity for something that otherwise does meet any E's...that is not the case here.

Thank you,

Scott Nied NPCC Acting Assistant Vice President - Compliance 212-205-7056 Office 917-693-1127 Cell

From: Fred Meyer < Fred.Meyer@libertyutilities.com > Sent: Wednesday, August 28, 2019 1:11:08 PM

To: Scott A. Nied < snied@npcc.org>

Cc: Marie Kozub <<u>mkozub@npcc.org</u>>; Joel Rivera <<u>Joel.Rivera@libertyutilities.com</u>>; Anthony Strabone <<u>Anthony.Strabone@libertyutilities.com</u>>; Charles Rodrigues <<u>Charles.Rodrigues@libertyutilities.com</u>>

Subject: RE: Granite State E1 Exclusion Proposal

Hello Scott,

Just checking in with you to see if NERC has had any decision on the E1 for Granite State? I know NERC has their hands full with the Align project, I don't know if that has any bearing on their use of the portal?

Thanks Fred

Docket No. DE 19-064 Attachment Staff TS 2-4.e Page 3 of 4

Fred Meyer | Liberty Algonquin Business Services (USA) | Director, Nerc Compliance P: 417-625-4289 | C: 417-291-6603 | E: Fred.Meyer@libertyutilities.com

From: Scott A. Nied [mailto:snied@npcc.org]
Sent: Saturday, July 27, 2019 8:06 AM

To: Fred Meyer

Cc: Marie Kozub; Joel Rivera; Anthony Strabone; Charles Rodrigues

Subject: RE: Granite State E1 Exclusion Proposal

Hi Fred,

Sorry for the delay. I am awaiting a response from NERC on if Liberty/Granite State needs to enter it's claim for the E1 exclusion into the NERC portal.

Thanks, Scott Nied NPCC 212-205-7056 Office 917-693-1127 Cell

From: Fred Meyer < Fred. Meyer@libertyutilities.com >

Sent: Tuesday, July 9, 2019 10:26 **To:** Scott A. Nied <<u>snied@npcc.org</u>>

Cc: Marie Kozub <<u>mkozub@npcc.org</u>>; Joel Rivera <<u>Joel.Rivera@libertyutilities.com</u>>; Anthony Strabone

Anthony.Strabone@libertyutilities.com">; Charles Rodrigues < Charles.Rodrigues@libertyutilities.com; Fred Meyer

<Fred.Meyer@libertyutilities.com>

Subject: RE: Granite State E1 Exclusion Proposal

Hi Scott,

I left you a voice mail this morning regarding the status of our E1 exclusion proposal to NPCC for Granite State Electric. The staff at Granite State was curious if we needed to do anything further on our request for exclusion from the BES? Also wondering what the next steps may be in the request for exclusion with an estimated timeframe on a decision so our planning people can coordinate properly? Thanks for your help with this. Please feel free to call me at 417-625-4289.

Thank you, Fred Meyer

Fred Meyer | Liberty Algonquin Business Services (USA) | Director, Nerc Compliance P: 417-625-4289 | C: 417-291-6603 | E: Fred.Meyer@libertyutilities.com

From: Fred Meyer

Sent: Wednesday, May 22, 2019 11:41 AM **To:** Scott A. Nied (snied@npcc.org)

Cc: Marie Kozub (mkozub@npcc.org); Joel Rivera; Anthony Strabone; Charles Rodrigues; fmeyer@empiredistrict.com

Subject: RE: Granite State E1 Exclusion Proposal

Hello Scott,

Just a follow up to see if you need anything from us further on the proposed exclusion from the BES for the Granite State 115kv line build?

Thank you,

Docket No. DE 19-064 Attachment Staff TS 2-4.e Page 4 of 4

Fred Meyer | Liberty Algonquin Business Services (USA) | Director, NERC Compliance P: 417-625-4289 | C: 417-291-6603 | E: Fred.Meyer@libertyutilities.com

From: Fred Meyer

Sent: Friday, April 26, 2019 3:38 PM **To:** Scott A. Nied (snied@npcc.org)

Cc: Marie Kozub (mkozub@npcc.org); Joel Rivera; Anthony Strabone; Charles Rodrigues; fmeyer@empiredistrict.com

Subject: Granite State E1 Exclusion Proposal

Scott,

I wanted to let you know that based on our previous phone conference that this afternoon, I have uploaded to the NPCC site, a ZIP file with the following documents that you requested in order to determine an E1 exclusion from the RES for Granite State

- 1. A previous email to you regarding the nature of the project for background purposes
- 2. Approval letter from ISO-New England for your reference
- 3. A MS Word document with a diagram depicting the Granite State Proposed build in relationship to the NERC guidance document of the BES exclusion. We have noted in that document that we feel that the exclusion shown in the NERC guidance document that best matches the Granite State proposed build is the E1.2 Exclusion shown on page 28 of the NERC Bulk Electric System Definition Reference Document.
- 4. Provided and email from National Grid signifying they are aware of their portion of ownership of their line where we interconnect with them for this proposed build.

Please let me know if anything else is needed at this point.

Thank you,

Fred Meyer | Liberty Algonquin Business Services (USA) | Director, NERC Compliance P: 417-625-4289 | C: 417-291-6603 | E: Fred.Meyer@libertyutilities.com
720 Schifferdecker, Joplin, MO 64801

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At NPCC's sole discretion, NPCC may disclose pertinent information to the U.S. Government and its authorized representatives to protect the security of critical infrastructure and key resources, ensure information security, or to comply with any applicable law, regulation, legal process, or enforceable governmental request.

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 2

Date Request Received: 10/22/19

Request No. Staff TS 2-6

Date of Response: 11/5/19

Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Re: Staff 9-3; Project 8830-C18620 Charlestown 32 D Line. Please provide the following information for this project:

- a. Describe the bidding process with contractors. When does the process start? How often are system generated estimates updated?
- b. An itemized breakout of burdens, materials costs, and AFUDC leading up to the variance of -\$183,289.
- c. All Work Orders/spreadsheets including #'s 8830-18002961 and 8830-SUBS005.
- d. Why was a Project Close Out Report issued when this project was not 100% complete in 2017?
- e. A Change Order Form was issued in 2018 (See Data Request OCA 2.14.d.4 at 3).
 - i. Explain why no related Business Case was created given that an additional \$354,738 was spent on this project in 2018?
 - ii. Explain why the Change Order Form was completed, approved, and signed in March 2019 instead of during the course of the project year in 2018.
 - iii. Why does the Change Order show an increase of \$145,272 when the actual variance was \$104,750?
 - iv. Explain why the addition of the 40L3 Feeder at Michael Avenue was unforeseen during the preliminary engineering for this project.

RESPONSE:

- a. The Company puts out an RFP and selects the bidder based on price, safety, understanding of scope, quality, and past performance. The process starts once the Company has completed final engineering. The system generated estimates are updated yearly.
- b. Please see Attachment Staff TS 2-6.b.xlsx.

- c. Please see the response to part b.
- d. The Company does not understand the question as the project was completed by December 31, 2017.
- e. Please see the responses below:
 - i. A business case was not created because the project had been completed; the charges in 2018 were for materials charged in 2018.
 - ii. The change order form was for the year 2018 for the materials charged as those materials were not charged to the project in 2017. Change order forms are signed in the following year to accommodate any charges during the previous year for the project. There is only one change order form filled out per project.
 - iii. The change order showing \$145,272 is actually for project 8830-C18630, Charlestown D Sub, as shown in the change order name line. Attachment Staff TS 2-6.b.xlsx provides the total for the project at \$354,751. The variance of \$104,750 is for 8830-C18630.
 - iv. The Company does not understand the question. The 40L3 Feeder at Michael Avenue is this project.

Mathematical		
	Cost Code String WS Job Number	Cost Code Description Cost Eler
March Marc	00000-0000-0004-4000 8830-18002961	Accrued Vouchers
March Marc	00000-0000-0004-4000 8830-18002961	
March Marc		
	00000-0000-0004-4000 8830-18002961	Accrued Vouchers
	00000-0000-0004-4000 8830-18002961	
March Marc		
Ministry	00000.0000.0004.4000 8830-18002961	
	00000-0003-0001-0000 8830-18002961	Labor-Removal
	36900-0001-0002-0000 8830-18002961	
	36900-0001-0002-0000 8830-18002961	
	36900-0001-0002-0000 8830-18002961	Mat Senicer
March Marc		
	36900-0001-0002-0000 8830-18002961	
March Marc	36900-0001-0002-0000 8830-18002961	Mat-Services
March Marc		
March	36900-0001-0002-0000 8830-18002961	
March Marc	36900-0001-0002-0000 8830-18002961	
	36900-0001-0002-0000 8830-18002961	
	36900-0001-0002-0000 8830-18002961	Mat-Services
	36900-0001-0002-0000 8830-18002961	Mat-Services
	36900-0001-0002-0000 8830-18002961	Mat-Services Mat-Services
	36900-0001-0002-0000 8830-18002961	
Miles Mile	36900-0001-0002-0000 8830-18002961	
March Marc	36900-0001-0002-0000 8830-18002961	
Miles Mile	36900-0001-0002-0000 8830-18002961	
March Marc	36900-0001-0002-0000 8830-18002961	
		LU Corporate Burden
	36900.0001.0002.0000 8830.18002961	Mat-Services
	36900-0001-0002-0000 8830-18002961	Mat-Services
Minima	36900-0001-0002-0000 8830-18002961	Mat-Services
Memory M		
Member M	36900-0001-0002-0000 8830-18002961	
	36900-0001-0002-0000 8830-18002961	
Manual		
Manual M	36900-0001-0002-0000 8830-18002961	
March Marc	36900-0001-0002-0000 8830-18002961	
March Marc		
with the content of t	36900-0001-0002-0000 8830-18002961	Mat-Services
March Marc		
Mathematical		Mat-Services
March Marc	36900-0001-0002-0000 8830-18002961	
March		
Ministry	36900-0001-0002-0000 8830-18002961	Mat-Services
Mine	36900-0001-0002-0000 8830-18002961	Mat-Services
March Marc	36900-0001-0002-0000 8830-18002961	Mat-Services
Ministry	36900-0001-0002-0000 8830-18002961	
Mathematical	36900-0001-0002-0000 8830-18002961	Mat-Services
	36900-0001-0002-0000 8830-18002961	Mat-Services
	36900-0001-0002-0000 8830-18002961	
	36900-0001-0002-0000 8830-18002961	Mat-Services
Control		
Marie Mari		
	00000-0000-0006-6002 8830-18002961	
	36900-0001-0002-0000 8830-18002961	
Manufact	36900-0001-0002-0000 8830-18002961	
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Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 2

Date Request Received: 10/22/19

Request No. Staff TS 2-7

Date of Response: 11/5/19

Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Re: Staff 9-3; Project 8830-C36424 Mt. Support – New 16L3 Feeder. Please provide the following information for this project:

- a. The area study performed by National Grid in 2013 forecasted average annual load growth of 1.8% between 2012 and 2028. To date, has that average load growth materialized as predicted? Please indicate the average annual load growth rate from 2013 through 2018 for this area.
- b. What were the load limits of the distribution circuits prior to construction?
- c. An itemized breakout of burdens, AFUDC, and other costs leading to the variance of \$192,136.
- d. Did Liberty continue to bill labor to this project when it was delayed due to a delay in the shipment of the Viper Reclosers? If yes, please explain why. Also, please explain why the shipment of the Viper Reclosers was delayed.
- e. Work Orders/spreadsheet listed in Section 8 of Project Close Out Report.

RESPONSE:

- a. Liberty is currently reviewing calculations with our consultant and will supplement the response when the results are available.
- b. The load limits of the Mt Support distributions circuits prior to construction are provided in the table below:

Substation	Feeder	Normal Limiting Element	Normal Element Specifics	SN Rating (Amps)	Emergency Limiting Element	Emergency Element Specifics	SE Rating (Amps)
MOUNT						Relay- 612 A	
SUPPORT 16	16L1	UG Cable	1000 AI	503	Relay/Fuse	Safe Carry	612
MOUNT						Relay- 612 A	
SUPPORT 16	16L2	UG Cable	1000 AI	531	Relay/Fuse	Safe Carry	612
MOUNT						Relay- 612 A	
SUPPORT 16	16L4	UG Cable	1000 CU EPR	592	Relay/Fuse	Safe Carry	612

- c. Please see Attachment Staff TS 2-8.b.xlsx.
- d. This project was not delayed due to the delay in shipment of the Viper Reclosers. This project was completed and placed in-service as planned. The delay in shipment of the Viper Reclosers was due to an increase in lead time of delivery as a result of the manufacturer. At the time the order was placed for the Viper Reclosers, the lead time of these units was such that the Vipers would be shipped and arrive on Liberty's property with sufficient time to be installed prior to year-end. Unfortunately, during the time of placing the order and approving manufacturer drawings, lead times increased.
- e. Please see Attachment Staff 2-8.b.xlsx.

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 2

Date Request Received: 10/22/19

Request No. Staff TS 2-8

Date of Response: 11/5/19

Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Re: OCA 2-14.d.3 at 23; Project 8830-C36425 Mt. Support – New 16L5 Feeder. Please provide the following information for this project:

- a. Why was the original cost estimate set at \$50,000 and not \$450,909?
- b. An itemized breakout of burdens, AFUDC, and other costs leading to the variance of \$104,233.
- c. Did Liberty continue to bill labor to this project when it was delayed due to a delay in the shipment of the Viper Reclosers? If yes, please explain why. Also, please explain why the shipment of the Viper Reclosers was delayed.
- d. Business Case and Capital Project Expenditure Application for 2017.
- e. Project Close Out Report for 2017.
- f. Work Orders/spreadsheet listed in Section 8 of Project Close Out Report.

RESPONSE:

- a. As demonstrated in the business case that is provided in part d., the project was budgeted for \$1.4 million at its inception in 2016. The final spend was \$1,273,855. The Company is providing both the 2016 and 2017 business cases and project close out forms to show the full picture of the project. At the time of ordering the reclosers, the Company assumed the lead time would not change and the reclosers would have been received and installed in 2016. By the end of 2016, the reclosers still had not been delivered and the 2017 budget was already approved.
- b. Please see Attachment Staff TS 2-8.b.xlsx.
- c. This project was not delayed due to the delay in shipment of the Viper Reclosers. This project was completed and placed in-service as planned. The delay in shipment of the Viper Reclosers was due to an increase in lead time of delivery as a result of the manufacturer. At the time the order was placed for the Viper Reclosers, the lead time of

these units was such that the Vipers would have been shipped and arrived on Liberty's property with sufficient time to be installed prior to year-end. Unfortunately, during the time of placing the order and approving manufacturer drawings, lead times increased.

- d. Please see Attachment Staff TS 2-8.d.
- e. Please see Attachment Staff TS 2-8.e.
- f. Please see Attachment Staff TS 2-8.b.xlsx.

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Project Close Out Report

2016

Requesting Region or Group:	GSECo	Date of Closeout (MM/DD/YY):	12/31/2016
Project Number	8830-C36425	¥	
Project Name:	Mt Support-New 16L5 Feeder		,
Requesting Region:	New Hampshire	Sponsor (Name):	Brouillard; Chris
Project Champion:	Strabone; Anthony	Project Manager	Strabone; Anthony
Project Start Date:	1/1/2016	Project Completion Date:	12/31/2016
Requested Capital (\$)	\$100,000	Expenditure Included in Approved Budget?	YES

Section 1. Approval

Approval of the Project Closeout and Assessment Report indicates an understanding and formal agreement that the project is ready to be closed. By signing this document, each individual agrees all administrative, financial, and logistical aspects of the project should be concluded, executed, and documented as described herein.

Further, by signing this Report, it is accepted that CWIP (FERC Account 107) should be transferred to Utility in Plant Service (FERC Account 101)

Approver Name	Title	Signature	Date
Anthony Strabone	Project Manager	Inthony Archine	3/14/17
Brouillard; Chris	Director of Engineering	comulted	3/17/17
Craig Jennings	Vice President-Operations and Engineering	aug 1. Dulys	3/17/07

Section 2. Final Deliverable/Deployment Checklist

Sponsor to respond to each question. For each "no" response, include an issue in Open Issues section.

Docket No. DE 19-064 Attachment Staff TS 2-8.e Page 2 of 12

Project Close Out Report

Item	Question	Response
2.1	Do you agree that the product and/or service is ready to be deployed?	Yes
2.2	Do you agree the product and/or service has sufficiently met the stated business goals and objectives?	Yes
2.3	Do you fully understand and agree to accept all operational requirements, operational risks, maintenance costs, and other limitations and/or constraints imposed as a result of ongoing operations of the product and/or service?	Yes
2.4	Do you agree the project should be closed? If no, please explain:	Yes
	Rate your level of satisfaction with regards to the project outcomes listed below	
2.5	Project Quality	3
2.6	Product and/or Service Performance	3
2.7	Scope	3
2.8	Cost (Budget)	3
2.9	Schedule	3

Section 3. Project Documentation Checklist

Project Manager Respond to each question. For each "no" response, include an issue in Open Issues section.

Item	Question		Response
3.1	[[[] 다른 사람들이 되었다. 그는 사람들이 되었다면 하는 사람들이 되었다. 그렇게 되었다면 하는 사람들이 되었다. 그렇게 되었다면 하는데	ems (e.g., Business Case, Project Plan, Charter, n prepared, collected, filed, and/or disposed?	Yes
3.3	Were audits (e.g., project closeout audit reference?) completed and results documented for future	Yes
3.4	Identify the storage location for the follo	wing project documents items:	See below
Item	Document	Location (e.g., Google Docs, Webspace)	Format
3.4a	Business Case	Local W Drive	Electronic
3.4b	Project Charter	Local W Drive	Electronic
3.4c	Project Plan	Local W Drive	Electronic
3.4d	Budget Documentation and Invoices	Local W Drive	Electronic
3.4e	Status Reports	Local W Drive	Electronic
3.4f	Risks and Issues Log	Local W Drive	Electronic
3.4g	Final deliverable	Local W Drive	Electronic

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Project Close Out Report

17	- C. S. S. S. S.
	Electronic

3.4h	deliverable for the project is attached or	Local W Drive	Electronic
	storage location is identified in 3.4.		

Section 4. Project Team

Project Manager to list resources specified in the Project Plan and used by the project.

Name	Role	Type (e.g., Contractor Employee)
Travis Singer	OH Line Supervisor	Employee
Dick Holmes	FCC	Contractor
Jeremy Davia	Engineering	Contractor

Section 5. Project Lessons Learned

Project Team to identify lessons learned specifically for the project. State the lessons learned in terms of a problem (issue). Describe the problem and include any project documentation references (e.g., Project Plan, Issues Log) that provide additional details. Identify recommended improvements to correct a similar problem in the future.

Problem Statement	Problem Description	References	Recommendation
Permitting With NHDOT	Permits Required for installation of Manholes-permitting took 14 months		Schedule 16 months for NHDOT permit process in project schedule

Section 6. Post-Implementation Support Plans

Project team to identify plans for post-implementation activities after project closeout. Refer to the Benefits Realization review gate for information about the Post-Implementation Review of Business Outcomes deliverable.

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Project Close Out Report

2016

Action	Planned Date	Assigned To	Frequency
Post-Implementation Review of Business Outcomes (actual review)	N/A	N/A	N/A
Post-Implementation Review of Business Outcomes (approval)	N/A	N/A	N/A

Section 7. Open Issues

Project Manager and Functional Lead to describe any open issues and plans for resolution within the context of project closeout. Include an open issue for any "no" responses in the Final Product and/or Service Acceptance Checklist and the Project Artifacts Checklist sections.

Issue	Planned Resolution
N/A	N/A
N/A	N/A
N/A	N/A

Section 8. Financials

Project Manager and Functional Lead to provide details for the following tables.

Financial Descriptor	Amount
Total Actual Project Costs (including all Regional, Corporate and 3 rd party costs)	\$443,824
Total Budgeted amount	\$100,000
Variance	\$-343,824

Reasons for Variance	Impact
Project moved to 2016 as Step Increase as part of rate case proceeding.	Revised projecte Year End spending and managed to budget and recovery of costs with Finance.

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Project Close Out Report

2016

Project Manager to list of all work orders associated with project that should be closed once Close Out Report is accepted.

Registry of All Job Codes (Regional, Corporate, LABs)	
Work Order 1	8830-18000912
Work Order 2	
Work Order 3	
Work Order 4	
Work Order 5	



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017

Over Expenditure Application

Requesting Region or Group:	New Hampshire	Date of Request (MM/DD/YY):	5/1/2017
Project Name:	Mt Support- New 16L5 Fe	eder	
Requesting Region:	East	Sponsor (Name):	Craig Jennings
Project Start Date:	1/2/2017	Project Completion Date:	12/31/2017
Original Project Budget (\$):	\$50,000	Requested Over Expenditure (\$):	\$250,000
Project Type: (Click appropriate box)	□Safety ☑Mandated □Growth □Regulatory Supported □Discretionary	Nature of Estimate: (Click appropriate box)	□Fixed or Firm Price □Estimate - Internal □Estimate - External □Other (specify details)

Details of Request

Project description

Construct a new 13 kV Distribution Feeder (16L5) to be fed from the Mount Support Substation. The 16L5 will exit Mount Support Substation via a manhole and duct system and continue underground along Medical Center Drive to a riser pole located on Route 120. The 16L5 will continue overhead, South along Route 120 in the Town of Lebanon where it will connect to existing area circuits currently fed from Lebanon Substation.

What caused (or is causing) the expected Over Expenditure?

There are two contributing factors causing over expenditure of this project and they are 2016 carryover of burdens and delay in delivery of Viper Reclosers. Viper Reclosers were ordered in August 2016 and due to delay in equipment specification approvals and manufacturer production time, lead time of these Vipers was increased to 6 months. The Vipers were received in March 2017 and were installed by internal Liberty crews. The overall project final cost is expected to be within the \$1.4 million estimate.

What will this Over Expenditure achieve? Why is the Over Expenditure necessary?

The additional expenditure will allow for completion of the remaining work associated with the 16L5 Feeder Addition Project.

What are the revised project financials as a result of this Over Expenditure? (IRR, NPV, etc.)

The overall project financials are not impacted as part of this over expenditure as the cost of the material and install labor was already accounted for in the project total. However, the level of funding for 2017 is impacted as only \$50,000 was allocated for this project in 2017. Due to the delay in receipt of this material an additional \$250,000 for 2017 is requested.

What are the risks and consequences of not approving an Over Expenditure?

These Reclosers are needed to provide circuit protection and isolation points that help reduce the time associated with outage restoration and both SAIDI and SAIFI. Without installation of these Reclosers outage restoration times and the number of customers impacted during circuit outages will be increased which will have a negative impact on Liberty's SAIDI and SAIFI goals.

Are there other pertinent details that may affect the decision making process?

Docket No. DE 19-064 Attachment Staff TS 2-8.e Page 7 of 12

Over Expenditure Application

2017

No.				

Approvals and Signatures

	Name	Signature	Date
Requestor	Anthony Strabone	Settion Hickory	5/01/17
	CPBrovillaid	aphillia	5/26/17
Director Finance	Tisha Sanderson	Jishal Sandewen	6/7/17
VP Operations	Craig Jennings	our will	6/7/19
Corporate, VP Finance	- I		
Corporate, President	h		

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Project Close Out Report

Requesting Region or Group:	GSECo	Date of Closeout (MM/DD/YY):	12/31/2017
Project Number	8830-C36425		
Project Name:	8830-C36425 Mt Support-New	16L5 Feeder	
Requesting Region:	New Hampshire	Sponsor (Name):	Rodrigues; Charles
Project Champion:	Strabone; Anthony	Project Manager	Strabone; Anthony
Project Start Date:	1/1/2017	Project Completion Date:	12/31/2017
Requested Capital (\$)	\$450,909	Expenditure Included in Approved Budget?	Yes

Section 1. Approval

Approval of the Project Closeout and Assessment Report indicates an understanding and formal agreement that the project is ready to be closed. By signing this document, each individual agrees all administrative, financial, and logistical aspects of the project should be concluded, executed, and documented as described herein.

Further, by signing this Report, it is accepted that CWIP (FERC Account 107) should be transferred to Utility in Plant Service (FERC Account 101)

Approver Name	Title	Signature	Date
Anthony Strabone	Project Manager	button Matri	2/15/18
Charles Rodrigues	Director of Engineering	Carolinas	2/5/18
Craig Jennings	Vice President-Operations and Engineering		2/23/6
		a) 0	
	1 1		

Section 2. Final Deliverable/Deployment Checklist

Sponsor to respond to each question. For each "no" response, include an issue in Open Issues section.

Item	Question	Response
2.1	Do you agree that the product and/or service is ready to be deployed?	Yes
2.2	Do you agree the product and/or service has sufficiently met the stated business goals and objectives?	Yes
2.3	Do you fully understand and agree to accept all operational requirements, operational risks, maintenance costs, and other limitations and/or constraints imposed as a result of ongoing operations of the product and/or service?	Yes
2.4	Do you agree the project should be closed? If no, please explain:	Yes
	Rate your level of satisfaction with regards to the project outcomes listed below	
2.5	Project Quality	3
2.6	Product and/or Service Performance	3
2.7	Scope	3
2.8	Cost (Budget)	3
2.9	Schedule	3

Section 3. Project Documentation Checklist

Project Manager Respond to each question. For each "no" response, include an issue in Open Issues section.

Item	Question		Response
3.1	Have project documentation and other item Budget Documents, Status Reports) been p	Yes	
3.3	Were audits (e.g., project closeout audit) correference?	ompleted and results documented for future.	Yes
3.4	Identify the storage location for the following	ng project documents items:	See below
Item	Document	Location (e.g., Google Docs, Webspace)	Format
3.4a	Business Case	Local W Drive: W:\Engineering\Project Documents Electric	Electronic
3.4b	Project Charter	N/A	Electronic
3.4c	Project Plan	N/A	Electronic
3.4d	Budget Documentation and Invoices	N/A	Electronic
3.4e	Status Reports	N/A	Electronic

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Project Close Out Report

3.4f	Risks and Issues Log	N/A	Electronic
3.4g	Final deliverable	N/A	Electronic
3.4h	If applicable, verify that final project deliverable for the project is attached or storage location is identified in 3.4.	N/A	Electronic

Section 4. Project Team

Project Manager to list resources specified in the Project Plan and used by the project.

Name	Role	Type (e.g., Contractor, Employee)
Anthony Strabone	Lead Engineer/PM	Employee
Travis Singer	OH Line Supervisor	Employee
Mario Barone	Substation Supervisor	Employee
Control Pont Technologies	Engineering	Contractor
UPG	Test & Commissioning	Contractor
Hi-Volt	Line Construction	Contractor

Section 5. Project Lessons Learned

Project Team to identify lessons learned specifically for the project. State the lessons learned in terms of a problem (issue). Describe the problem and include any project documentation references (e.g., Project Plan, Issues Log) that provide additional details. Identify recommended improvements to correct a similar problem in the future.

Problem Statement	Problem Description	References	Recommendation
N/A	N/A	N/A	N/A
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Section 6. Post-Implementation Support Plans

Project team to identify plans for post-implementation activities after project closeout. Refer to the Benefits Realization review gate for information about the Post-Implementation Review of Business Outcomes deliverable.

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Project Close Out Report

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Frequency	
Water the same of	

Action	Planned Date	Assigned To	Frequency
Post-Implementation Review of Business Outcomes (actual review)	N/A	N/A	N/A
Post-Implementation Review of Business Outcomes (approval)	N/A	N/A	N/Å

Section 7. Open Issues

Project Manager and Functional Lead to describe any open issues and plans for resolution within the context of project closeout. Include an open issue for any "no" responses in the Final Product and/or Service Acceptance Checklist and the Project Artifacts Checklist sections.

Tssue	Planned Resolution
N/A	N/A
	The state of the s

Section 8. Financials

Project Manager and Functional Lead to provide details for the following tables.

Financial Descriptor	Amount
Total Actual Project Costs (including all Regional, Corporate and 3 rd party costs)	\$555,143
Total Budgeted amount	\$450,909
Variance.	\$(104,234)

Reasons for Variance	Impact
Delay in receipt of Viper Reclosers- work order remained open and active for majority of 2017 incurring burdens & AFUDC	Project is over-budget
	The state of the s
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Project Close Out Report

Project Manager to list of all work orders associated with project that should be closed once Close Out Report is accepted.

Registry of All Job Codes (Regional	, Corporate, LABs)
Work Order 1	8830-18000912
Work Order 2	8830-MT SUPP 16L5
Work Order 3	8830-ACCMTSUP16L5
Work Order 4	1,060-18000912
Work Order 5	

Docket No. DE 19-064 Attachment Staff TS 2-8.d Page 1 of 10



BUSINESS

CASE

PROJECT TITLE: GSE-MT SUPPORT -NEW 16L5 FEEDER SPECIFIC

PROJECT SPONSOR: CHRIS BROUILLARD

PROJECT LEAD: ANTHONY STRABONE

DATE: 09/15/2016

PROJECT ID: 8830-C36425

BUSINESS PLAN NUMBER:

Docket No. DE 19-064 Attachment Staff TS 2-8.d Business Case Page 2 of 10

RECOMMENDATION:

Construct a new 13 kV Distribution Feeder (16L5) to be fed from the Mount Support Substation. The 16L5 will exit Mount Support Substation via a manhole and duct system and continue underground along Medical Center Drive to a riser pole located on Route 120. The 16L5 will continue overhead, South along Route 120 in the Town of Lebanon where it will connect to existing area circuits currently fed from Lebanon Substation.

BACKGROUND

Identified in the Lebanon, NH Supply and Distribution Study published by National Grid on behalf of Liberty Utilities in 2013, the area Distribution Circuits fed from the Lebanon Substation were exceeding their design criteria due to area loading, including exceeding normal thermal loading limits and contingency support during system abnormalities. The recommended solution to mitigate these issues is to construct the 16L5 circuit and reconfigure the area circuits.

An average annual load growth of 1.8% from 2012 through 2028, excluding spot load additions, is predicted for the Lebanon Area. Spot Load additions include larger commercial customers looking to expand their facilities such as Dartmouth College; Dartmouth Hitchcock Medical Center and Hypertherm.

To mitigate the risk beyond the equipment long term thermal ratings, the plan recommends that Liberty expand the 13 kV Bus at Mount Support Substation, including two new low profile distribution feeders. The scope of work will also include installation of additional equipment to construct the 13 kV Bus to a breaker and a half configuration.

Construction of the 16L5 is an essential component of the overall recommended Lebanon Area solution: Expansion of Mount Support #16 Substation.

ALTERNATIVES/OPTIONS

The 16L5 circuit position was central to the overall recommended solution of expanding the Mt. Support substation in Lebanon, NH with a second transmission supply line, second 115/13kV transformer, and two new 13kV feeder positions.

Other alternatives considered for the Lebanon Area can be found in the Lebanon, NH Supply and Distribution Study which is located in the appendix of this document.

Docket No. DE 19-064 Attachment Staff TS 2-8.d Page 3 of 10

Business Case

FINANCIAL ASSESSMENT

The total estimated cost for this project is \$1,400,000. The in-service target date for this project is December, 2016. 2015 is a test year for Granite State Electric and recognition of this project by the NH PUC as a Step Increase Project in the upcoming Granite State Electric Company rate case is expected. This will allow for more timely recovery of the investment.

RISK ASSESSMENT AND QUALITATIVE EVALUATION

None

IMPLEMENTATION/ACTION PLAN

Construction of the new 16L5 13 kV Distribution Feeder will take place on a schedule paralleling the construction of the substation expansion.

REVIEWED BY:

PROJECT LEADER:

DIRECTORNP: C.P. graniles

FINANCE: Julia Sundusan 1/10/17

Docket No. DE 19-064 Attachment Staff TS 2-8.d **Business Case** Page 4 of 10



LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY:	HOME OFFICE
Capital / Granite State Electric Co.	REF #: 8830-C36425
PROJECT TITLE:	EXPECTED PROJECT
GSE-Dist-Mt.Support-New 16L5 Feeder	TOTAL: \$1,400,000
PROJECT TYPE (circle one):	
System Maint / System Project / Growth /	DROJECT END DATE.
PROJECT START DATE:	PROJECT END DATE: 12/31/2017
5/1/2016	
CURRENT UTILITY	JOB COST/FWO #:
EARNINGS STATUS:	
Type of Capital Project:	
Growth	
Improvement Upgrades	
Infrastructure Replacement	
PROJECT DESCRIPTION & LOCATION:	
Construct a new 13 kV Distribution Feeder (161	L5) to be fed from the Mount Support Substation. The
16L5 will exit Mount Support Substation via a r	nanhole and duct system and continue underground
along Medical Center Drive to a riser pole locat	ed on Route 120. The 16L5 will continue overhead,
South along Route 120 in the Town of Lebanon	where it will connect to existing area circuits currently
fed from Lebanon Substation.	
IS THIS PROJECT GROWTH RELATED? IF "YES"	, DESCRIBE THE SPECIFIC LOCATION (MAP) AND LIST
APPLICABLE DEVELOPERS WHERE GROWTH W	ILL OCCUR (CONSULT WITH DEVELOPMENT SERVICES
REGARDING FUNDING),	
No	
	THE PROPERTY OF THE PROPERTY O
	ENTIAL IMPACT ON EXISTING PERMITS, AND TIMING OF
AND RISKS ASSOCIATED WITH OBTAINING APP	
Licensing and Underground/Environmental Per	rmitting will be obtained as required.
COST ESTIMATE FOR TOTAL PROJECT NATURE	OF ESTIMATE (FIRM FIXED PRICE, INTERNALLY OR
	ING BY QUARTER, AND RISKS ASSOCIATED WITH COST
	n an individual job basis. This project was approved for
	art of the 2015-2010 approved capital hudget 2015 is a
TO A Committee Charle Triangle and account	art of the 2015-2019 approved capital budget 2015 is a
Test year for Granite State Electric and recogning Granite State Electric	ition of this project by the NH PUC as a Step Increase

Docket No. DE 19-064 Attachment Staff TS 2-8.d Page 5 of 10

Business Case

WILL THERE BE ASSETS GREATER THAN \$5,000 THAT IS CURRENTLY IN SERVICE REMOVED AS A RESULT OF THIS PROJECT? Yes IF YES, PLEASE DETAIL THE SPECIFIC ASSETS THAT WILL BE REMOVED: 1. Original Cost of Plant to be removed (if known): Not Known What is the replacement cost of the plant being removed (if original cost not known)? Not Known 3. Original Work Order of Plant to be removed (if known): Not known Is the Plant being removed reusable? No 4. What is the year of original installation of the plant being removed? Varied PROPOSED SOURCE OF FUNDS (COMPANY, DEVELOPER LXA, HUF, ETC.) The 2017 Approved Capital Budget. CATEGORY & STATUS OF PROJECT FINANCIAL SUMMARY NEXT ANTICIPATED TEST YEAR (tick as appropriate) Rate Recovery (over 18 months) If yes, is customer Will this, and other approved projects, affordability an issue? Safety cause a rate shock No Mandated Impending Regulatory Obligation Have Health & Safety implications Yes Rate Recovery-Immediate Return been considered? Has Environmental Compliance Yes Rate Recovery (3 to 6 months) review been done? Has Tech Services review been done? Yes Rate Recovery (6 to 12 months) Rate Recovery (12 to 18 months) (Partial recognition as STEP Increase X Project) Was this Capital Expenditure included Yes in the Annual Budget? CAPITAL EXPENDITURE BUDGET UTILIZATION ANALYSIS OF PROJECT VALUE Authorized To be spent in: Design/Engineering Future Amount Current Year Years External contractor costs (2017)\$1,400,000 \$50,000 Internal costs (A) Capital budget (B) Over (under) run vs. Budget Other costs (contingency) (C) (A+B) Total Estimated Project Cost Working capital requirements (D) Less Approved Spend to Date (E) Less Future Approval Requests (F) (C-D-E) Approval Amount \$1,400,000 Project Total Cost Requested (current application) Name Signature Requesting Party Chris Brouillard Region Director (\$250K) Region Vice President (\$500K) Region President (\$1M) Corp Senior VP (\$1.5M) Corp President (\$3M)

Docket No. DE 19-064 Attachment Staff TS 2-8.d Page 6 of 10



BUSINESS

CASE

PROJECT TITLE: GSE-MT SUPPORT -New 16L5 FEEDER SPECIFIC

PROJECT SPONSOR: CHRIS BROUILLARD

PROJECT LEAD: ANTHONY STRABONE

DATE: 10/16/2015

PROJECT ID: 8830-C36425

BUSINESS PLAN NUMBER:

Docket No. DE 19-064 Attachment Staff TS 2-8.d Business Case Page 7 of 10

RECOMMENDATION:

Construct a new 13 kV Distribution Feeder (16L5) to be fed from the Mount Support Substation. The 16L5 will exit Mount Support Substation via a manhole and duct system and continue underground along Medical Center Drive to a riser pole located on Route 120. The 16L5 will continue overhead, South along Route 120 in the Town of Lebanon where it will connect to existing area circuits currently fed from Lebanon Substation.

BACKGROUND

Identified in the Lebanon, NH Supply and Distribution Study published by National Grid on behalf of Liberty Utilities in 2013, the area Distribution Circuits fed from the Lebanon Substation were exceeding their design criteria due to area loading, including exceeding normal thermal loading limits and contingency support during system abnormalities. The recommended solution to mitigate these issues is to construct the 16L5 circuit and reconfigure the area circuits.

ALTERNATIVES/OPTIONS

The 16L5 circuit position was central to the overall recommended solution of expanding the Mt. Support substation in Lebanou, NH with a second transmission supply line, second 115/13kV transformer, and two new 13kV feeder positions.

FINANCIAL ASSESSMENT

The total estimated cost for this project is \$1,400,000. The in-service target date for this entire project is June, 2017, with partial facilities targeted for 2016 in-service, which would qualify that portion for a STEP increase along with other Mt. Support facilities being installed.

RISK ASSESSMENT AND QUALITATIVE EVALUATION.

None

IMPLEMENTATION/ACTION PLAN

Construction of the new 16L5 13 kV Distribution Feeder will take place on a schedule paralleling the construction of the substation expansion.

REVIEWED BY

DIRECTOR/VP: C.P. Frmille

Docket No. DE 19-064 Attachment Staff TS 2-8.d Business Case Page 8 of 10

Docket No. DE 19-064 Attachment Staff TS 2-8.d **Business Case** Page 9 of 10



LIBERTY UTILITIES - CAPITAL PROJECT EXPENDITURE APPLICATION

DIVISION/COMPANY:	HOME OFFICE
Capital / Granite State Electric Co.	REF #: 8830-C36425
PROJECT TITLE:	EXPECTED PROJECT
GSE-Dist-Mt.Support-New 16L5 Feeder	TOTAL: \$1,400,000
PROJECT TYPE (circle one):	
System Maint / System Project / Growth_/	
PROJECT START DATE:	PROJECT END DATE:
5/1/2016	12/31/2016
CURRENT UTILITY	JOB COST/FWO #:
EARNINGS STATUS:	
Type of Capital Project:	
По	
Growth	
Improvement Upgrades	
Infrastructure Replacement	
Intrastructure Replacement	
along Medical Center Drive to a riser pole lo South along Route 120 in the Town of Leban fed from Lebanon Substation.	a a manhole and duct system and continue underground ocated on Route 120. The 16L5 will continue overhead, non where it will connect to existing area circuits currently
IS THIS PROJECT GROWTH RELATED? IF "Y APPLICABLE DEVELOPERS WHERE GROWTH REGARDING FUNDING). No	ES", DESCRIBE THE SPECIFIC LOCATION (MAP) AND LIST H WILL OCCUR (CONSULT WITH DEVELOPMENT SERVICES
PERMITTING REQUIREMENTS, INCLUDING PAND RISKS ASSOCIATED WITH OBTAINING A Licensing and Underground/Environmental	
EXTERNALLY GENERATED), TIMING OF SPE ESTIMATES. Cost estimates will be calculate	URE OF ESTIMATE (FIRM FIXED PRICE, INTERNALLY OR NDING BY QUARTER, AND RISKS ASSOCIATED WITH COST d on an individual job basis.
WILL THERE BE ASSETS GREATER THAN \$5,0 RESULT OF THIS PROJECT? Yes	000 THAT IS CURRENTLY IN SERVICE REMOVED AS A

Docket No. DE 19-064 Attachment Staff TS 2-8.d Business Case Page 10 of 10

 Original Work Order of Is the Plant being remo 	to be removed nt cost of the of Plant to be oved reusable	d (if know plant bein removed (? No			:nown)?	Not Kne	own	
PROPOSED SOURCE OF FUNDS (C	OMPANY, DEV							
The 2016 Approved Capital B	udget.							
CATEGORY & STATUS OF PROJEC	T	FINANCI	AL SUMMARY					
(tick as appropriate)		NEXT AN	TTICIPATED TEST YEAR					
		Rate Reco	very (over 18 months)	X				
		Will this.	and other approved projects,	,,		16.	ves, is cus	domer
Safety		cause a rai		No	,			an issue?
Mandated Impending Regulatory Obligation					1			
Rate Recovery-Immediate Return		Have Heal	th & Safety implications	Ye	5			
Rate Recovery (3 to 6 months)		Has Envir	onmental Compliance	Ye	s			
Rate Recovery (6 to 12 months)		review bed Has Tech	en done? Services review been done?	Ye	A			
Rate Recovery (12 to 18 months) (Partial recognition as STEP Increase Project)	X		_					
Was this Capital Expenditure included in the Annual Budget?	Yes			-		ikus III		
ANALYSIS OF PROJECT VALUE		CAPITAL	EXPENDITURE BUDGET UT	TILIZA?	FION			
Design/Engineering				Auth	orized	To be spe	ent in	
External contractor costs				Am	ount .	Curro Yea (201:	ır	Future Years (2016+)
Internal costs		(A) Capita	I budget	\$1,	400,000		50,000	\$1,250,000
Other costs (contingency) Working capital requirements	14401	(C) (A+B)	inder) run vs. Budget Total Estimated Project Cost pproved Spend to Date					
Project Total Cost	\$1,400,000	(E) Less Fi (F) (C-D-E	nture Approval Requests (Approval Amount (current application)					
	Name		Signature		D	ate		
Requesting Party	Chris Brouil	lard	Morillas	2	10/1	4/15		10.30
President - LU Central	DAVID SWAJ		Way Su		10/29/15-			
Vice President Finance							James II	
CFO CEO			110					
								- 4

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 2

Date Request Received: 10/22/19

Request No. Staff TS 2-9

Date of Response: 11/5/19

Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Re: Staff 9-3; Project 8830-C42921 Install Splices – 6L2 & 6L4. Please provide the following information for this project:

- a. An itemized breakout of burdens, AFUDC, and other costs leading to the variance of \$91,743.
- b. Why was the original cost estimate set at \$75,000 (Staff 9-3.2 at 27) and not \$111,552?
- c. Why was the potential for costs involving contractors, corrosion inside manholes, traffic control, pumping and cleaning manholes, not taken into consideration during the preliminary engineering and budgeting for this project?
- d. Why was the Over Expenditure Form (See OCA Data Request 2-14.d.2 at 97) approved and signed in February 2018 instead of during the project year in 2017?
- e. Work Orders/spreadsheets including #'s 8830-18002089, 8830-18002322, and 8830-18002089.
- f. Please indicate if splices are a minor plant?
 - 1. If so, why is the labor costs capitalized?
 - 2. Please provide documentation that indicates the change from expense to capital and the associated company policy that is utilized for that determination.

RESPONSE:

- a. Please see Attachment Staff 2-9.a.xlsx.
- b. At the time of the estimate, this is what the Company projected the cost to be.
- c. As noted during the technical session, the manholes were inspected prior to construction and found no issues. Once construction started, the manholes needed pumping and cleaning and thus the Company needed to complete this work prior to starting construction. Once the cables were moved during construction, corrosion was seen and needed to be remedied. Also, discussed at the tech session was the need for police detail

when originally the town allowed for the use of flaggers during construction, but due to the location and the equipment encroaching on the road, police detail was later required by the town.

- d. Over expenditure forms are completed on an annual basis and would be completed during the year and signed after the year ends.
- e. Please see the response to part a.
- f. When a splice extends the life of the cable, it can be capitalized. The Company relies on Attachment Staff TS 2-9.f.1 to provide guidance on this issue. The following Attachments are provided for this project:
 - Attachment Staff TS 2-9.f.1: Plant Investment Procedure 613 for plant account 367.26.06 Disconnecting Device URD/UCD The reasoning behind this was replacement of the failing H disconnectable joints will extend the actual useful life of the 6L2/6L4 underground distribution system installed in 2010.
 - Attachment Staff TS 2-9.f.2: Manhole records of the work completed.
 - Attachment Staff TS 2-9.f.3: Drawing providing where the failing H joints were replaced.

Docket No. DE 19-064 Attachment Staff TS 2-9.f.1 Page 1 of 1

NEW ENGLAND POWER SERVICE COMPANY PLANT INVESTMENT PROCEDURE - 613 ELECTRIC PLANT UNITS

Account: UNDERGROUND CONDUCTORS AND DEVICES
DISTRIBUTION PLANT

367.01

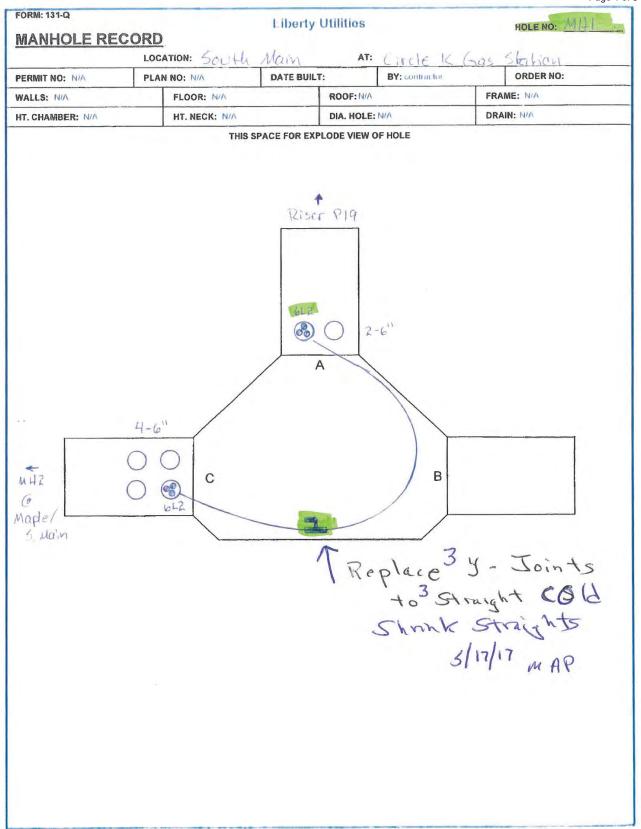
UNIT

NUMBER	TITLE	DESCRIPTION	MEASURE
367.24.01	CUTOUT	Oil Filled	Each
367.25.01	CUTOUT	Explusion Type	Each
367.26.01	OIL SWITCH		Each
367.26.03	SWITCH	Automatic Throwover Type	Each
367.26.04	SWITCH, DISCONNECT		Each
367.26.05	LOAD BREAK SWITCH OR VACU	UUM SWITCH	Each
367.26.06	DISCONNECTING DEVICE - U	RD/UCD /	Each
367.27.01	RELAY		Each
367.27.02	LINE FAULT INDICATOR, SUI	BMERSIBLE - URD	Each
367.27.03	LINE FAULT INDICATOR	(Consisting of: Control Cable, Sensors and Cabinet)	System
367.28.01	INSTRUMENT TRANSFORMER		Each
367.29.01	GROUND		Each
367.30.01	BUS SUPPORTING STRUCTURE		Each
367.31.01	ENCLOSED SWITCHING CENTER	Group 1, 0-1,000 C.F Include, Pad-mounted metal-clad Switchgear Assembly Units	Assembly
367.31.02	ENCLOSED SWITCHING CENTER	Group 2, 1001 - 2000 C.F.	Assembly
367.31.03	TRANSCLOSURE	For Housing Only	Each
367.32.01	FOUNDATION	Equipment	Each
367.33.01	TERMINAL JUNCTION BOX		Each
367.34.01	INSTRUMENT CABINET		Each

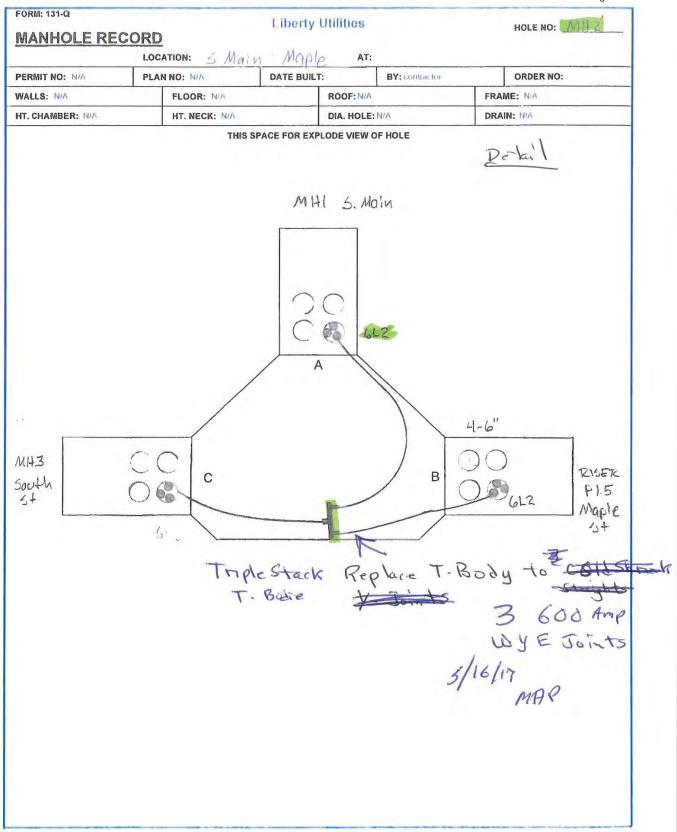
Date 5-23-83

Sheet 9 of 10

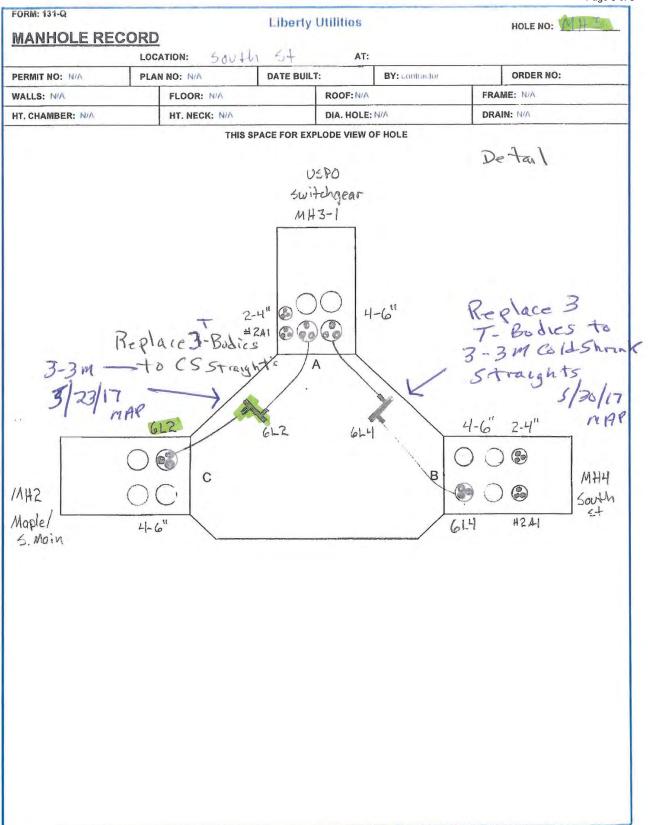
Docket No. DE 19-064 Attachment Staff TS 2-9.f.2 Page 1 of 5



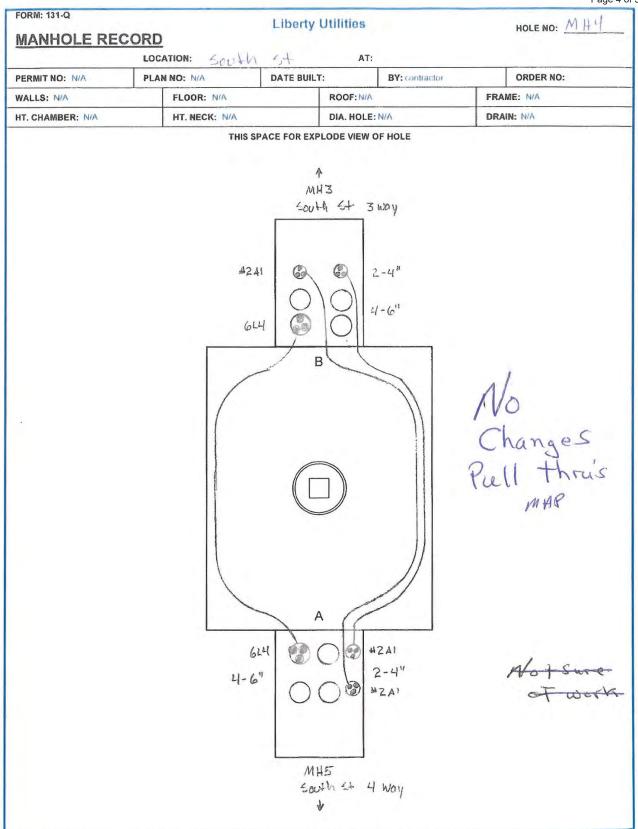
Docket No. DE 19-064 Attachment Staff TS 2-9.f.2 Page 2 of 5



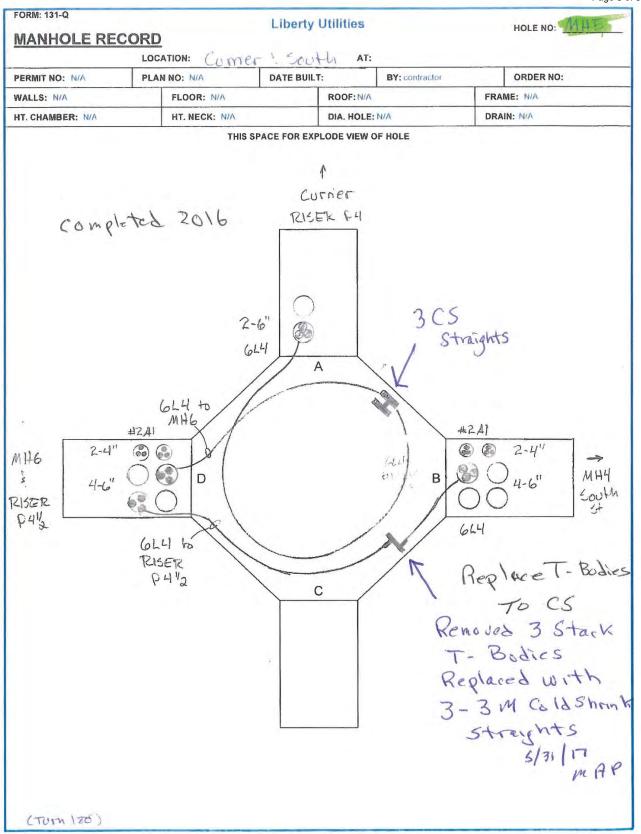
Docket No. DE 19-064 Attachment Staff TS 2-9.f.2 Page 3 of 5

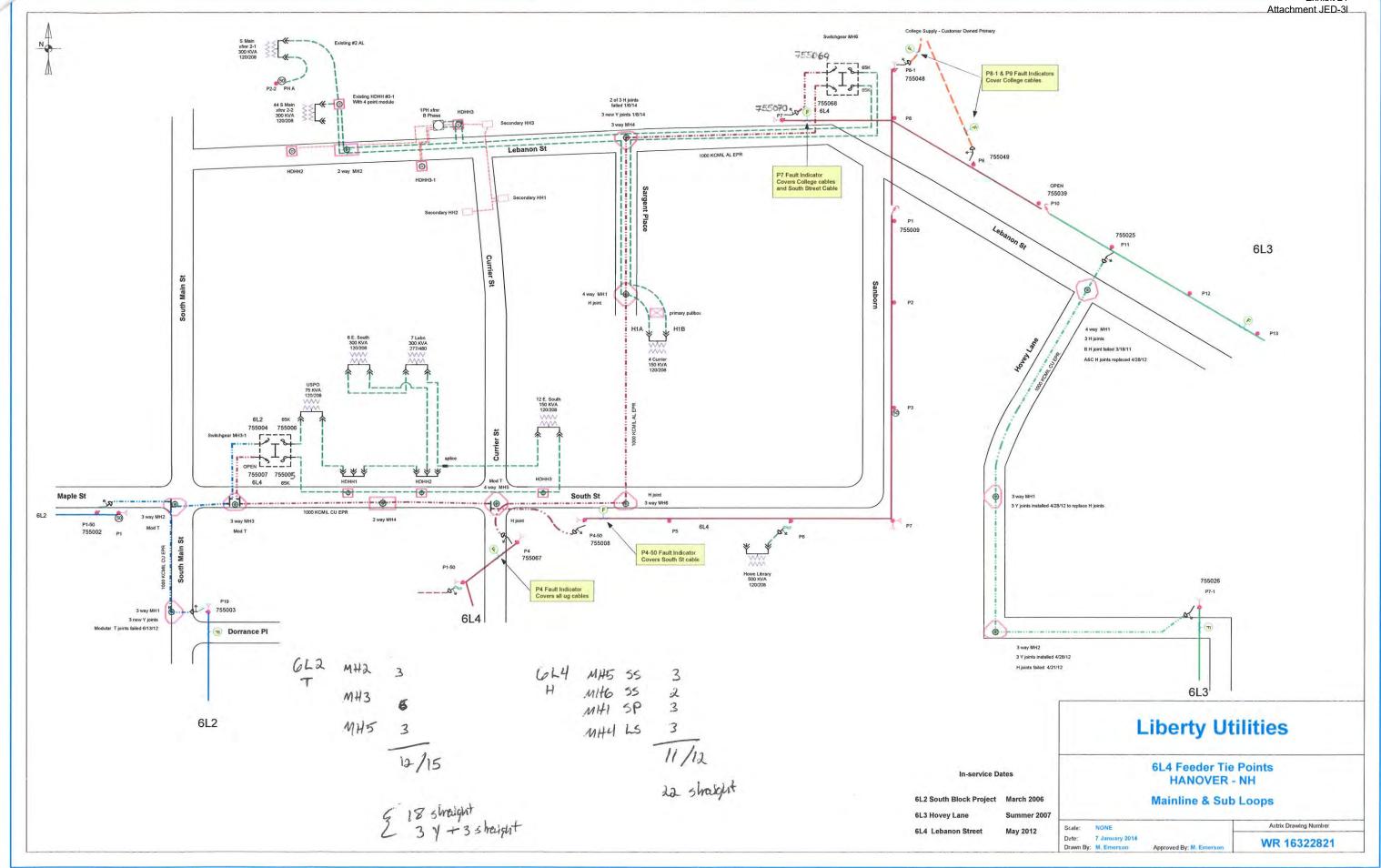


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Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 2

Date Request Received: 10/22/19

Request No. Staff TS 2-10

Date of Response: 11/5/19

Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Re: OCA 2-14.d.2 at 115-116; Project 8830-CD0291 Sky View URD. Please provide the following information for this project:

- a. An itemized breakout of the costs and also CIAC received leading to the variance of \$49,396.
- b. Work Orders/spreadsheets including #'s 8830-10850702, 8830-16730232, 1060-16730232, 8830-18002752, and 1060-10850702.

RESPONSE:

Please see Attachment Staff TS 2-10.xlsx.

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Data Requests - Set 1

Date Request Received: 5/23/19 Date of Response: 6/7/19

Request No. Staff 1-2 Respondent: Heather M. Tebbetts

Anthony Strabone

REQUEST:

Reference attached Excel spreadsheet AttStaff 1-002 CAPEX Budget-Actual 2016, 2017, & 2018. Please fill in all information for the project categories of Safety, Mandated, Growth, Regulatory, Discretionary, for all capital projects undertaken by Granite State Electric in 2016, 2017, and 2018. Provide an explanation in the last column only for projects where the variance of actual expenditures equaled or exceeded 2x the budgeted amounts.

RESPONSE:

Attachment Staff 1-2.xlsx contains all information for project categories, budget and actual, for 2017 and 2018. For 2016, the tab "2016 Budget and Final" in Attachment Staff 1-2.xlsx provides the actual spending for projects listed in Attachment 1 to the Settlement Agreement filed March 15, 2017, in Docket No. DE 16-383, at Bates 023, titled "Step Adjustment - 2016 Capital Investments." As discussed during the course of that docket, the 2016 budget and actual spending were updated as the year progressed. The final actual costs of the 2016 projects were included in the 2017 step adjustment and were approved in Order No. 26,005 (Apr. 12, 2017).

	B1	Posteria Providente	GSE CY2016
Priority	Project #	Project_Description achment 1 Step Adjustment 2016 Capex	Actual Capita
Discretionary	8830-C13968	PS&I Activity - New Hampshire	\$0
Discretionary	8830-C18620	Charlestown 32 Dline	\$0
Discretionary	8830-C18630	Charlestown DSub	\$0
Discretionary	8830-C18710	RTU Installations - LU/NG Substations	\$5,683
Discretionary	8830-C18720	Refreshing Existing Buildings GSE(Capital	(\$18,065
Discretionary Discretionary	8830-C18740 8830-C18780	Customer Walk In Centers (Salem & Lebanon) Upfit Londonderry - GSE Allocation	\$5,197 \$490
Discretionary	8830-C18780 8830-C21093	IE-NN Dist Transformer upgrades	\$2,160
Discretionary	8830-C22214	NN ERR/Pockets of Poor Perf	\$107,612
Discretionary	8830-C26061	NH ARP Relay & related	\$107,012
Discretionary	8830-C31402	IE-NN URD Cable Replacement	\$7,079
Discretionary	8830-C33766	NEN-NH Electric Fence FY10	\$44,730
Discretionary	8830-C36427	Feeder Getaway Cable Replacement	\$195,036
Discretionary	8830-C36430	Pelham Sub-Add 2nd Xfmr and Fdr Pos	\$447,126
Discretionary	8830-C36431	Pelham-New 14L4 Fdr	\$143,195
Discretionary	8830-C42851 8830-C42852	Enhanced Bare Conductor Replacement Pelham-New 14L5 Fdr	\$972,680 \$0
Discretionary Discretionary	8830-C42852 8830-C42901	Underperforming Feeder Program	\$209.597
Discretionary	8830-C42901	Cogsdale Modification - Cyrstal Report Bill Template Elec	\$19,729
Discretionary	8830-C42911	Install CSC Cubicles and Furniture - GSE - Londonderry	(\$342
Discretionary	8830-C42913	Golden Rock Damage Failure	\$52,366
Discretionary	8830-C42915	Install CNG Dispenser in Salem Lowell Rd. Facility	\$650
Discretionary	8830-C42917	Install AC Unit - 15 Buttrick Road	\$75,902
Discretionary	8830-C42919	Install Server Room AC Units Londonderry	\$32,073
Discretionary	8830-C42926	Slayton Hill Rd, Lebanon Pole Relocation	\$50,548
Discretionary Discretionary	8830-C42933 8830-CD0376	Vilas Bridge 12L1 ENFIELD SUPPLY	\$2,047 (\$4,560
Discretionary Discretionary	8830-CD0376 8830-CD0785	Whelen Engineering Charlestown, NH	(\$4,560 \$145
Discretionary	8830-CD0785 8830-CNN006	GSE-Dist-Genl Equip Blanket	\$145 \$20.732
Discretionary	8830-CNN025	IT Systems & Equipment Blanket	\$914,660
Discretionary	8830-CNN026	Misc Capital Imprymnts GSE Facilities Blanket	\$22,369
Discretionary	8830-CNN027	Transportation Fleet & Equip. Blanket	\$232,760
Discretionary	8830-CRSRVARS_017	Reserve for Sub Asset Repl Specifics	\$0
Discretionary	8830-CRSRVDF_014	Reserve for Damage/Failure Unidentified Specifics &	\$0
Discretionary	8830-CRSRVLRL_016	Reserve for Load Relief Unidentified Specifics	\$0
Discretionary	8830-CRSRVPR_013	Reserve for Public Requirements Unidentified Specifics	\$0 \$0
Discretionary Discretionary	8830-CRSRVRL_015 8830-IT	Reserve for Reliability Unidentified Specifics IT System Oakville	\$0 \$87,585
Discretionary	8830-MISC EQUIPMT	Misc Discretionary Purch Equipment	(\$454
Discretionary	8830-OTH-002	Salem WIC Security Upgrade	\$82,197
Discretionary	8830-OTH-003	Lebanon WIC Security Upgrade	\$71.815
Discretionary	8830-OTH-004	Londonderry WIC Security Upgrade	\$24,473
Discretionary	8830-OTH-005	SHELVING IN SALEM WAREHOUSE	\$11,277
Discretionary	8830-OTH-006	SALEM MAIN GATE	\$4,529
Discretionary	8830-OTH-007	Salem Server Room AC Replacement	\$9,676
Discretionary	8830-OTH-008	Salem Security Cameras	\$0 \$4.500
Discretionary Discretionary	8830-OTH-009 8830-OTH-110	ETRACK Electronic Vendor Invoicing Londonderry Office Renovation	\$4,500 \$32,560
Discretionary	8830-OTH-111	Install Customer Drop Boxes	\$52,560 \$0
Discretionary	8830-OTH-111	Salem NH Pole Pile	\$68,422
Discretionary	8830-OTH-113	Replacement Windows for Lebanon Warehouse	\$48,760
Discretionary	8830-OTH-114	Salem Electric Fleet	\$502,191
Discretionary	8830-OTH-120	EH&S Facility Vehicle	\$14,171
Frowth	8830-CD0291	Sky View URD - Salem, NH	(\$1,676
rowth	8830-CNN010	GSE-Dist-New Bus-Resid Blanket	\$855,368
Growth Growth	8830-CNN011 8830-CRSRVNBC 010	GSE-Dist-New Bus-Comm Blanket	\$1,513,315 \$0
Frowth	8830-CRSRVNBC_010 8830-CRSRVNBC 011	Reserve for New Business Residential Reserve for New Business Commercial Unident specific & SC	\$0 \$0
Mandated	8830-CR3RVINBC_011	IE-NN UG Structures and Equipment	\$0 \$0
Mandated Mandated	8830-C18750	Security Conversion GSE	\$22,611
Mandated	8830-C21595	01663 GS Storm Program Proj	\$179,791
Mandated	8830-C26263	NN D-Line Work Found by Insp.	\$40,161
Mandated	8830-C36433	Distribution Feeder Power Factor Correction	\$80,556
Mandated	8830-C36435	Lebanon Area Low Voltage Mitigation	\$57,381
Mandated	8830-C42850	Relocate Distribution Dulak St Lebanon	(\$848
Mandated	8830-CN4104	01659 Granite St. Meter Purchases	\$158,990
Mandated Mandated	8830-CN4120 8830-CNN002	01660 Granite St Transformer Purchases 01737 GSE-Dist-Subs Blanket	\$224,994 \$8,295
Mandated Mandated	8830-CNN002 8830-CNN004	GSE-Dist-Meter Blanket	\$8,295 (\$188
Mandated Mandated	8830-CNN007	GSE-Dist-Water Heater Blanket	(\$57,638
Mandated	8830-CNN009	GSE-Dist-Land/Land Rights Blanket	\$0
Mandated	8830-CNN012	GSE-Dist-St Light Blanket	\$181,024
Mandated	8830-CNN013	GSE-Dist-Public Require Blanket	\$521,946
Mandated	8830-CNN014	Dist-Damage&Failure Blanket	\$1,940,363
Mandated	8830-CNN015	GSE-Dist-Reliability Blanket	\$1,124,162
Mandated Mandated	8830-CNN016	GSE-Dist-Load Relief Blanket	\$70,264
Mandated Mandated	8830-CNN017 8830-CNN020	GSE-Dist-Asset Replace Blanket	\$948,224 \$0
Mandated Mandated	8830-CNN020 8830-CNN021	Dist-Transf/Capac Install Blanket GSE-Dist-Telecomm Blanket	\$0 (\$947
nandated Nandated	8830-CNN021 8830-CNN022	GSE-Dist-3rd Party Attach Blanket	\$52,606
viandated Viandated	8830-CNN022 8830-CNN023	GSE-Dist-3rd Party Attach Blanket GSE Distributed Generation Blanket	\$30,159
Regulatory Programs	8830-C18603	Bare Conductor Replacement Program	\$621,964
Regulatory Programs	8830-C20473	IE - NN Recloser Installations	\$177,857
Regulatory Programs	8830-C32279	01757 NN ARP Breakers & Reclosers	\$709
egulatory Programs	8830-C36423	Mt Support Sub- New LP Fdr Pos	\$3,059,868
Regulatory Programs	8830-C36424	Mt Support-New 16L3 Feeder	\$1,647,572
Regulatory Programs	8830-C36425	Mt Support-New 16L5 Feeder	\$443,824
Regulatory Programs	8830-C42921	INSTALL SPLICES - 6L2 & 6L4 DISTRIBUTION CIRCUITS	\$82,207
Regulatory Programs	8830-CD0272	11255 Michael Ave Getaway	\$1,184

March						GSE CY2017	
S. Office 1.5							
Section Sect		Project #	Project_Description	Budgeted Capital	Actual Capital	(Over)/Under	Explanation
2. Southerd Section	1 - Safety 1 - Safety						
	Safety Total			\$0.00	\$0.00	\$0.00	
Secondary Seco	2 - Mandated						Blanket project # for restoration efforts involving capital - varies according to storms
1 Machanis 1800-179							
2 Manufaced 1910 1792 1918 00 00000 2017 200 Each date Seaved 1 100,00000 192,000000 192,000000 192,000000 192,00000 192,000000 192,000000 192,000000 192,000000 192,000000 192,000000 192							
2. Amended SID-370							
2- Angulariest 1802-1999 1800-CANDON COST DEL VISION Friedric Bilbert 1800-1992	2 - Mandated						
2 Mondard SID 1779 SID 1770 SID 177	2 - Mandated						
2 - Anocided \$383.773							
2 - Anscharted \$20.2711 \$20.00001 \$20.000001 \$20.0000000 \$20.000000 \$20.000000 \$20.0000000 \$20.0000000 \$20.00000000000000000000000000000000000							
- S-Manderfed 8880-1733 8880-1000172 Col-Col-Notice Regions Belleviet 500,000.00 510,0	2 - Mandated						
- Nederland	2 - Mandated						
1- Machanish BBD 1779 BBD 1879 BBD	2 - Mandated						
2- Mondarded SSD 1721 SSD 201712 SSD							
3 - Mandaried 880 1722 883 CANDO SEC TOTAL cast Bailed Flashine 1,500,000 154,007 5,9326.24 1,500,000 1,50	2 - Mandated 2 - Mandated						
2- Annotation	2 - Mandated	8830-1722			\$15,640.76		
2- Montacide BBD C(14513	2 - Mandated						
3-1-1							
Marcial							
	Mandated Total	0030-CD0231	Sky view OND - Saletti, IVII				Customer briven
	3-Growth	8830-1737	8830-CNN010 GSE-Dist-New Bus-Resid Blanket	1.,,			-
Scient 1980	3-Growth	8830-1738			\$1,374,477.27		
	3-Growth						
4 - Regulatory Obligations 88D C-1803 SED C-1800 Se		8830-C42930	8830-C42930 Install Service to Tuscan Village Salem				
4 - Regulatory Obligations 880 C-1800 Charlestown 2D Direc 5316,972.00 5500,281.14 183,982.00 14,982.0		9920 C19602	9920 C19602 Para Conductor Bonlacoment Brogram				
4 - Regulatory Obligations 880 C-1860 O Priestown Dub							
4 - Regulatory Obligations 88 DG-16423 88 DG-16423 Mt Support 54 Mt Supp	4 - Regulatory Obligations	8830-C18630	Charlestown Dsub				
4 - Regulatiny O'Diligations 88.01 (-1524	4 - Regulatory Obligations						
4 - Regulatory O'Dilgations 88 DC-GR22 S							
4. Regulatory Obligations 830 C16410 880 C16411 880 C1641 880 C16411 880 C16411 880 C16411 880 C16411 880 C16411 880 C1641 880 C16411 880 C1641							
September Sept	4 - Regulatory Obligations						
Solicerotomary S880-1715 S830-C1956 PSSI Activity - New Hampshire S105,0000 S00,000 S105,0000 S00,000 S105,0000 S105,000	4 - Regulatory Obligations	8830-C36431			\$1,203,589.00		
Solscretionary S80-1716 S80-1716 S80-1717 S80-1726 S80-1718 S80	Regulatory Obligations Total			7.,00.,000.			
Solicercitionary S830-1718 S830-1728 S830-1738 S830-1739 S830-1738 S830-1739							
Soliceretionary 8830-1719 8830-CRSVAMS, Q17 Reserve for 5ub Asset Repl Specifics \$24,996.00 \$34,996.00 \$34,975.71 \$830-1729							
Solicerelinany Signor Si	5-Discretionary						
Solicerelinamy Si30-1726 Si30-CMN027 Traisportation Fiert & Equip. Blanket \$25,000.000 \$233,405.96 \$33,405.96 \$33,405.96 \$35,505.000 \$35,5	5-Discretionary						
Solicite Channer Salo 1777 Salo 1778 Salo 1779 Salo 1778 Salo 1779	5-Discretionary						
Solicotectionary S830-1728 S830-FACEA Misc. Capital Improvemts GSE Facilities Isalem S83,099.00 S83,690.00 S75,036.00 S75							
Solicertolanary							
Solicitationary Sa30 1-731 Sa30 FACCHA Misc Capital Improvents GSE Facilities Charlestown S15,000,00 S15,000,00 S10,00 S10,0	5-Discretionary	8830-1729			\$9,960.00		
Solicertolinary Sa30-1732 ERP Foundation Year Solicertolinary Solicertolin	5-Discretionary						
Solicertolinary Sa30-1738 EAM Foundation Year Solicertolinary Sa30-1734 Gils OMS Electric Ugrande Solicertolinary Sa30-1735 Gils O. one Graphic Card Solicertolinary Solicertolinary Sa30-1735 Gils O. one Graphic Card Solicertolinary So	,						
Solicitationary Sa30-1734 Gis & OMS Electric Upgrade S0.0 S0.00 S0							
Solicitationary Sa30-1735 GIS - One Graphic Card S0.00							
Solicertionary Say Supplemental AC for Londonderry (Dispatch/Training Rms) \$12,030.00 \$20,900.73 \$5,870.73	5-Discretionary	8830-1735		\$0.00	\$0.00	\$0.00	
S-Discretionary S-Biscretionary S-Biscreti	5-Discretionary						
Solic retionary Salo 1,741 Mt. Support Cap Bank PLC Replacement Salo 0,000 S49,823.60 S14,823.60 Solic retionary Salo 1,742 Replace tyme Rd P3 ReCloser S65,000 S27,866.65 S62,513.35 Solic retionary Salo 1,743 New Hampshire PC Refresh S116,586.00 S116,388.03 S21,79 Solic retionary Salo 1,744 Golden Rock Substation PE S100,000.00 S27,188.93 S72,831.07 Solic retionary Salo 1,745 Track Star AVLS Vehicle Tracking System S19,745.00 S12,459.00 S12,459.00 S7,295.00 Solic retionary Salo 1,746 First Responder Mobile Application S50,000.00 S113,750.00 S63,750.00 Business Case requested \$150,000 for total project, budget did not reflect total request Solic retionary Salo 1,822 Salo 1,822 Salo 1,822 Salo 1,823 Sal							
S-Discretionary S-Discreti							
S-Discretionary S-Bis S-	5-Discretionary						
Solicretionary Sa30-1745 Track Star AVLS Vehicle Tracking System S19,745.00 S12,450.00 S12,50.00 S13,75.00 S13	5-Discretionary						
Solicretionary Sa30-1366 First Responder Mobile Application Solicretionary Sa30-1367 Rockingham Substation Transmission Supply PE Solicretionary Sa30-1367 Rockingham Substation Transmission Supply PE Solicretionary Sa30-C22214 NERRIPORE/SOLICRETIONARY Solicretionary Sa30-C22214 NERRIPORE/SOLICRETIONARY Solicretionary Sa30-C22124 NERRIPORE/SOLICRETIONARY Solicretionary Sa30-C22124 NERRIPORE/SOLICRETIONARY Solicretionary Solicretionar	5-Discretionary						
Solicertoinary Sa30-L2814 Sa30-C22124 N R RRR/Pockts of Poor Perf S13,618.00 S24,25.73 S0,0617.73	5-Discretionary						The second secon
S-Discretionary 8330-C22214 8330-C22214 NB RR/Pockets of Poor Perf \$213,618.00 \$234,235,73 \$20,613.73 \$50,617.73 \$50,							
S-Discretionary S-B30-C31402 S-B30-C31402 IR-NU NRD Cable Replacement S100,000.00 (\$8,293.48) \$108,293.48 \$108,2							
S-Discretionary S-DISCRETI	5-Discretionary						
S-Discretionary S-DISCRETIONARE INVOICING S-DISCRETIONAL S-DISCRETIONARE INVOICING S-DISCRETIONARE	5-Discretionary	8830-C32279	01757 NN ARP Breakers & Reclosers (8830-C32279)	\$0.00	(\$38.22)	\$38.22	
S-Discretionary S-B30-C42851 S-B30-C42851 Enhanced Bare Conductor Replacement S-B00,000.00 S217,522.08 S-B22,477.92	5-Discretionary						
S-Discretionary S-Biscretionary S-Biscreti							
S-Discretionary S-DISCRETI	5-Discretionary 5-Discretionary						
S-Discretionary S830-C42921 Install Splices 6L2 & 6.14 S111,562.00 \$203,305.61 (591,743.61)	5-Discretionary						
S-Discretionary 8830-C43933 Vilas Bridge 12L1 - Old Drewsville Rd Sectionalizer S.0.00 \$1,109.35 (\$1,109.35) Carryover from 2016 project in service Nov 2016	5-Discretionary	8830-C42921			\$203,305.61	(\$91,743.61)	
5-Discretionary 8830-CD0376 ENFIELD SUPPLY 5.0.0 \$59,261.36 (\$59,261.36) Materials from prior year project charged in 2017 5-Discretionary 8830-UNALLOC BRON Finance Unalloc Burden 5.0.0 (\$1,693.112) 5-Discretionary Total \$2,877.83 (\$2,877.83) Carryover from 2016 project 5-Discretionary 5.0.0 (\$1,693.112) 5-Discretionary Total \$2,621.451.00 \$1,773,462.82 \$847.988.18	5-Discretionary						
5-Discretionary 8830-OTH-009 E-TRACK - ELECTRONIC CUSTOMER INVOICING \$0.00 \$2,877.83 (\$2,877.83) Carryover from 2016 project 5-Discretionary 8830-UNALLOC BRDN Finance Unalloc Burden \$0.00 (\$156,933.12) \$166,933.12 \$166,933.12 Discretionary Total \$2,621,451.00 \$1,773,462.82 \$847,988.18	,						
5-Discretionary 8830-UNALLOC BRDN Finance Unalloc Burden \$0.00 (\$166,933.12) \$166,933.12 Discretionary Total \$2,621,451.00 \$1,773,462.82 \$847,988.18							
Discretionary Total \$2,621,451.00 \$1,773,462.82 \$847,988.18	5-Discretionary		Finance Unalloc Burden				, 2 2020 project
Grand Total \$16,420,213.00 \$16,160,677.91 \$259,540.09	Discretionary Total			\$2,621,451.00			-
	Grand Total			\$16,420,213.00	\$16,160,672.91	\$259,540.09	= =

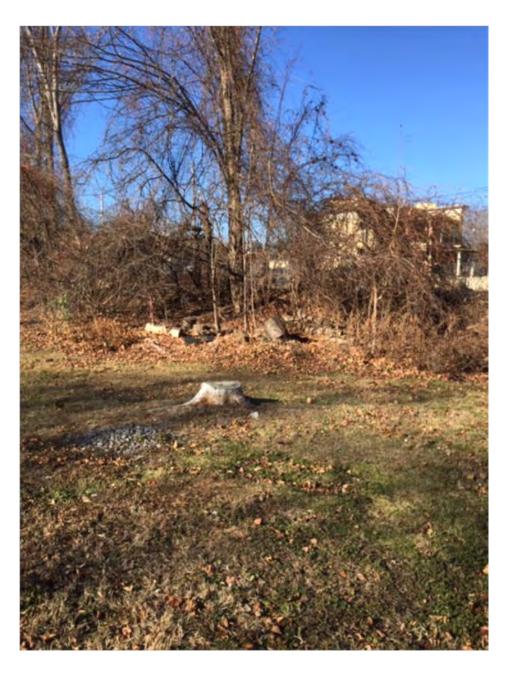
					GSE CY2018	
Priority	Project#	Project Description	GSE CY 2018 Budget	GSE CY 2018 Actual	Variance (Over)/Under	Explanation
1 - Safety	Project#	Project Description	Budget	Actual	(Over)/Under	Explanation
1 - Safety						-
Safety Total 2. Mandated	8830-1741	Mt. Support Cap Bank PLC Replacement	\$0 \$ 75,000	\$0 \$ 66,598	\$8,402.29	<u> </u>
2. Mandated	8830-1801	GSE Storm Program Proj	\$ 600,000	\$ (68,306)	\$668,306.17	
2. Mandated	8830-1802	NN D-Line Work Found by Insp.	\$ 50,000	\$ -	\$50,000.00	
2. Mandated	8830-1803	01659 Granite St Meter Purchases	\$ 305,000	\$ 384,968	(\$79,967.59)	
2. Mandated 2. Mandated	8830-1804 8830-1805	01660 Granite St Transformer Purchases 01737 GSE-Dist-Subs Blanket	\$ 575,000 \$ 50,000	\$ 652,767 \$ 7,099	(\$77,766.50) \$42.900.51	
2. Mandated	8830-1806	GSF-Dist-Meter Blanket		\$ 7,099	\$5,000.00	
2. Mandated	8830-1807	GSE-Dist-Genl Equip Blanket	\$ 50,000	\$ 51,430	(\$1,430.10)	
2. Mandated	8830-1809	GSE-Dist-Land/Land Rights Blanket	\$ 2,000	\$ -	\$2,000.00	
2. Mandated	8830-1810	GSE-Dist-St Light Blanket		\$ (71,728)	\$211,727.90	
2. Mandated 2. Mandated	8830-1811 8830-1812	GSE-Dist-Public Require Blanket Dist-Damage&Failure Blanket	\$ 725,000 \$ 800,000	\$ 441,939 \$ 364,069	\$283,061.46 \$435,930.93	
2. Mandated	8830-1813	GSE-Dist-Asset Replace Blanket	\$ 500,000	\$ 268,682	\$231,318.30	
2. Mandated	8830-1814	GSE-Dist-3rd Party Attach Blanket	\$ 250,000	\$ 184,483	\$65,516.61	
2. Mandated	8830-1818	Rt 12 Road Widening, Walpole/Charlestown	7 1,500,000	\$ 1,343,575	\$156,425.38	
2. Mandated 2. Mandated	8830-1820 8830-1821	Security Conversion GSE GSE-Dist-Reliability Blanket	\$ 50,000 \$ 275,000	\$ 54,837 \$ 158,367	(\$4,836.54) \$116,633.11	
2. Mandated	8830-1822	GSE-Dist-Kellability Blanket	\$ 50,000	\$ 130,307	\$50,000.00	
2. Mandated	8830-1823	GSE Distributed Generation Blanket		\$ 201	\$99,798.89	
2. Mandated	8830-1824	LED Street Light Conversion		\$ 131,793	\$168,207.13	
2. Mandated	8830-1832 8830-1833	Replace 6L2 Circuit No Main St Hanover		\$ 1,295,593	(\$195,593.30)	
2. Mandated 2. Mandated	8830-1833 8830-1834	Install Poles Millville St Salem IE-NN UG Structures and Equipment	\$ - \$ 10.000	\$ - \$ -	\$0.00 \$10,000.00	
2. Mandated	8830-1835	Dist-Transf/Capac Install Blanket		\$ -	\$5,000.00	
2. Mandated	8830-1836	GSE-Dist-Telecomm Blanket	\$ 2,500	\$ -	\$2,500.00	
2. Mandated	8830-1843	Distribution Feeder Power Factor Correction		\$ 45,239	\$54,760.67	
2. Mandated 2. Mandated	8830-1873 8830-C36435	EAP - Cogsdale CIS System Modifications Lebanon Area Low Voltage Mitigation	\$ 269,541 \$ 400,000	\$ 168,498 \$ 125,675	\$101,042.90 \$274,324.81	
Mandated Total	0030 030433	Econonya ca cow vortage witigation	\$8,289,041	\$5,605,778	\$2,683,263	-
3. Growth	8830-1744	Golden Rock Substation	\$ 400,000	\$ 309,324	\$90,676.03	
3. Growth	8830-1837	GSE-Dist-New Bus-Resid Blanket	\$ 600,000	\$ 597,574	\$2,426.46	
3. Growth 3. Growth	8830-1838 8830-1845	GSE-Dist-New Bus-Comm Blanket Golden Rock Distribution Feeders	+ -,,	\$ 1,364,988 \$ 16,978	\$235,011.60 \$43.021.59	
3. Growth	8830-1856	Install 13L2-9L3 Feeder Tie	\$ 60,000	\$ 18,374		Preliminary engineering and design completed in 2018. Project subsequently removed from revised budget.
3. Growth	8830-1858	Install Service to Tuscan Village Salem	\$ 1,400,000	\$ 1,213,583	\$186,416.99	
3. Growth	8830-1859	Reconductor Brookdale Road	\$ 1,000,000	\$ 993,936	\$6,064.49	
3. Growth 3. Growth	8830-1860 8830-C42912	Extend Pelham 14L4 to Salem Install 9L2-9L3 Feeder Tie	\$ 1,000,000 \$ 20,000	\$ 997,930	\$2,070.23 \$20.000.00	
3. Growth	8830-C42912 8830-C42930	Install Service to Tuscan Village South Line		\$ 674,260	(\$274,260.12)	
3. Growth	8830-CD0291	Sky View URD - Salem, NH	\$ 5,000	\$ 1,277	\$3,722.68	_
Growth Total			\$6,485,000	\$6,188,224	\$296,776	
4. Regulatory Programs	8830-1846 8830-1847	Bare Conductor Replacement Program IE - NN Recloser Installations	\$ 1,450,000	\$ 1,119,628	\$330,372.21 \$44.471.78	
4. Regulatory Programs 4. Regulatory Programs	8830-1847 8830-C18620	Charlestown 32 Dline	\$ 50,000 \$ 250,000	\$ 5,528 \$ 354,751	(\$104,750.63)	
4. Regulatory Programs	8830-C18630	Charlestown Dsub	\$ -	\$ 145,410		Project in service in 2017. Materials were charged in 2018
4. Regulatory Programs	8830-C36430	Pelham Sub-Add 2nd Xfmr and Fdr Pos		\$ (85,153)	\$185,152.81	
4. Regulatory Programs	8830-C36431	Pelham-New 14L4 Fdr	\$ 450,000 \$2,300,000	\$ 462,436	(\$12,436.01)	
Regulatory Programs Total 5. Discretionary	8830-1740	Snow Canopy - Londonderry SH	\$2,300,000	\$2,002,600 \$ 21,164	\$297,400 (\$21,163,65)	Originally in 2017 budget, see 2017 Budget and Final tab
5. Discretionary	8830-1746	First Responder Mobile Application	\$ -	\$ 36,250		Business Case requested \$150,000 for total project, budget did not reflect total request
5. Discretionary	8830-1815	Misc. Capital Equipment	\$ 130,000	\$ 131,010	(\$1,009.84)	
5. Discretionary	8830-1816	NH ARP Batts/Chargers Repl Prog	\$ -	\$ -	\$0.00	
5. Discretionary 5. Discretionary	8830-1817 8830-1819	NH ARP Relay & related IE-NN Dist Transformer upgrades	\$ 50,000	\$ 54,592	\$0.00 (\$4,591.79)	
5. Discretionary	8830-1825	IT Systems & Equipment Blanket		\$ 54,985	(\$4,984.64)	
5. Discretionary	8830-1826	Transportation Fleet & Equipment		\$ 788,135	(\$88,135.03)	
5. Discretionary	8830-1827	IT Systems Allocations - Corporate		\$ 361,643	(\$91,142.82)	
5. Discretionary 5. Discretionary	8830-1828 8830-1829	Misc Capital Imprymnts GSE Facilities Salem Misc Capital Imprymnts GSE Facilities Lebanon	\$ 60,000 \$ 45,000	\$ 60,851 \$ 27,674	(\$851.12) \$17.325.52	
5. Discretionary	8830-1830	Misc Capital Impromnts GSE Facilities Londonderry		\$ 60,650	(\$25,649.86)	
5. Discretionary	8830-1831	Misc Capital Imprymnts GSE Facilities Charlestown	\$ 25,000	\$ 27,384	(\$2,384.42)	
5. Discretionary	8830-1839 8830-1840	IE-NN URD Cable Replacement	\$ 5,000 \$ 10,000	\$ -	\$5,000.00	
5. Discretionary 5. Discretionary	8830-1840 8830-1841	01757 NN ARP Breakers & Reclosers Feeder Getaway Cable Replacement		\$ 6,039 \$ -	\$3,961.44 \$10,000.00	
5. Discretionary	8830-1842	Amerductor replacement program	\$ 10,000	š -	\$10,000.00	
5. Discretionary	8830-1848	Replace 6L2 Circuit Manyard St Hanover	\$ -	\$ -	\$0.00	
5. Discretionary	8830-1849	NN ERR/Pockets of Poor Perf		\$ -	\$10,000.00	
5. Discretionary 5. Discretionary	8830-1850 8830-1851	NEN-NH Electric Fence FY10 Enhanced Bare Conductor Replacement	\$ 45,000 \$ 600,000	\$ 36,494 \$ 546,398	\$8,506.09 \$53,601.85	
5. Discretionary	8830-1852	Repave Parking Lot - 9 Lowell Rd Salem	\$ 350,000	\$ 176,029	\$173,970.53	
5. Discretionary	8830-1853	Underperforming Feeder Program	\$ 10,000	\$ 885	\$9,115.29	
5. Discretionary	8830-1854	Install Mt. Support 16L2-16L3 Feeder Tie		\$ 10,711	(\$711.45)	
5. Discretionary	8830-1855 8830-1863	Fence Installation – 407 Miracle Mile Lebanon NH	,	\$ 326,811	\$223,189.18	
5. Discretionary 5. Discretionary	8830-1863 8830-1864	Replace Lyme Rd P3 Recloser Rockingham Substation	,	\$ 110,110 \$ 1,568,870	(\$10,109.73) (\$1.368.869.97)	2018 purchase of the land for \$1.5m (see below)
5. Discretionary	8830-1865	Rockingham Substation - Transmission Lines	\$ 300,000	\$ 575,354	(\$275,354.00)	
5. Discretionary	8830-1868	Hendrix Trialer	\$ 48,000	\$ 48,000	\$0.00	
5. Discretionary	8830-1871	ARCOS	\$ 41,100	\$ 51,089	(\$9,989.32)	
5. Discretionary 5. Discretionary	8830-1872 8830-C36426	Pave Salem Yard SCADA Distribution & Automation Specific	\$ - \$ 90.000	\$ - \$ 171,930	\$0.00 (\$81,930.00)	
5. Discretionary 5. Discretionary	8830-C36426 8830-PE	Preliminary Engineering		\$ (1,497,946)		Reclass of land purchase and CWIP to 8830-1864
5. Discretionary	8830-UNALLOC OH	Unallocated Overhead (1 Month Lag)	\$ -	\$ (108,329)	\$108,328.92	<u>-</u>
			\$3,754,600	\$3,646,783	\$107,817	
Grand Total			\$20,828,641	\$17,443,385	\$3,385,256	i e e e e e e e e e e e e e e e e e e e



Salem Depot – Front View



Salem Depot – Side Yard North



Salem Depot – Side Yard North (View 2)



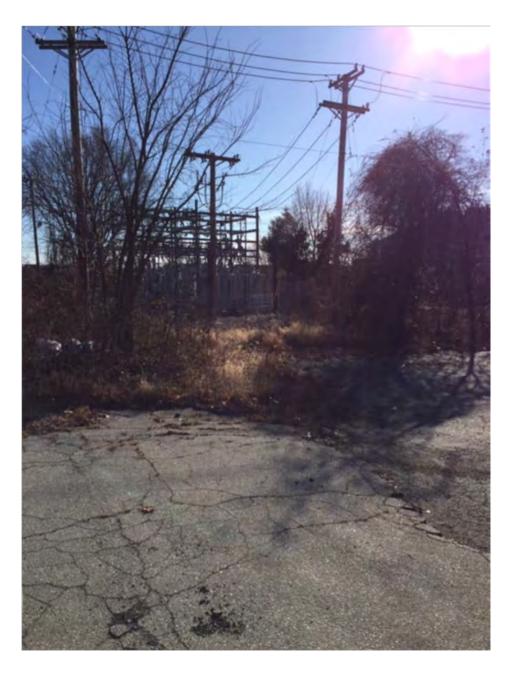
Salem Depot – Facing South



Salem Depot – Front View (North Side)



Salem Depot – Abutting Restaurant Site



Salem Depot – Facing South From Restaurant Site

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Data Requests - Set 3

Date Request Received: 6/21/19 Date of Response: 7/1/19

Request No. Staff 3-28 Respondent: Heather M. Tebbetts

REVISED REQUEST:

2019 Capital budget: Reference Revenue Requirement Model 2018 Test Year, Tab 2019_Cap_Bud

- a. Do any of the project budgets include a contingency factor? If so, which projects, and what is the contingency factor?
- b. Project 8830-1924, LED Street Light Conversion, \$300,000.
 - i) Why is this project budgeted to FERC 364 (Poles, Towers and Fixtures) rather than FERC 373 (Street Lighting and Signal Systems)?
- c. Project 8830-1947, OE-NH Recloser Installations, \$50,000.
 - i) What does REP in the FERC (Column D) stand for?
 - ii) Please explain the notation on row 70 that is highlighted in yellow and tagged as Remove REP.
 - iii) What FERC account(s) will this project be assigned when completed?
- d. Project 8830-1940, 01757 NH ARP Breakers & Reclosers, \$225,000.
 - i) What does REP in the FERC (Column D) stand for?
 - ii) What FERC account(s) will this project be assigned when completed?
- e. Project 8830-1920, Placeholder for Electric Training and Development. \$23,000.
 - i) Why is this project budgeted to FERC 390 Structures and improvements?
 - ii) Please identify the FERC accounting or instructions (CFR 18) that allows this project to be considered capital rather than expense.
- f. Project 8830-1926 Reserve for Unidentified Discretionary Projects, \$100,000.
 - i) Why is a reserve included in the capital budget?
- g. Project 8830-1907, GSE-Dist-Genl Equip Blanket, \$50,000.
 - i) Why is this project budgeted to FERC 390 (Structure and Improvements)?
- h. Project 8830-1923, GSE Distributed Generation Blanket, \$100,000.

- i) What type of projects are budgeted under this description?
- ii) How is Distributed Generation considered Distribution?
- i. Project 8830-1990, Transportation Fleet & Equip Blanket, \$900,000.
 - i) Explain why this project is budgeted to FERC 390 (Structures and Improvements) and not FERC 392 (Transportation Equipment).
- j. Project 8830-1991, 01659 Granite St. Meter Purchases, \$230,000.
 - i) How does the Company account for the purchase of meters?
- k. Project 8830-1906, GSF- Dist. Meter Blanket, \$5,000:
 - i) Explain why this project is budgeted to FERC 364 (Poles, towers, & Fixtures) rather than FERC 370 (Meters).
- l. Project 8830-1933 GSE Backup Battery Program, \$1,000,000.
 - i) How does the Company account for battery purchases?
 - ii) Please explain why the budget category is #N/A.

RESPONSE:

Please note the above request was reformatted on June 21, 2019, after consultation and concurrence with Staff.

- a. Yes. Please see the list of projects below and the contingency they carry. Blanket projects do not carry a contingency factor because we use historical spending for budgeting purposes.
 - 8830-1961: 20%
 - 8830-1964: 25%
 - 8830-1965: 25%
 - 8830-1960: 20%
 - 8830-1944: 20%
 - 8830-1959: 20%
 - 8830-1945: 20%
- b. Please see Attachment Staff 3-28 for the updated FERC accounts for each project. The budget as filed did not have updated FERC accounts, although prior to a project being put in service Plant Accounting reviews the jobs to ensure they are booked to the correct plant account and does not rely on the budget document to determine the appropriate FERC accounting. In addition, the Company received data request OCA 2-10 and found that its 2019 Step Increase Budget and the 2019 Filing Requirements Budget did not match. Three projects were omitted from the 2019 Step Increase Budget. All changes to the budget are italicized for easy viewing.

- i. The FERC accounting has been updated in Attachment Staff 3-28 to reflect account 373. The changes to what FERC accounts were originally in the budget affects the total revenue requirement in the step adjustment. Page 2 of the attachment provides the update to the step adjustment, which is \$10,159 less than what was originally filed. The changes include updating the FERC accounts from the budget, which affected deprecation rates, along with removing projects 8830-1964 and 8830-1965 from the step adjustment revenue requirement as these projects will not be in service in 2019. This update will be made in the update filing later in the proceeding.
- c. Please see the response below.
 - i. REP stands for Reliability Enhancement Program. For purposes of identifying the items that are removed from the step adjustment calculation, REP is used under the FERC account column.
 - ii. REP projects are removed from the step adjustment revenue requirement as the revenue requirement is separately accounted for in the annual REP filing, and not in the distribution rate case.
 - iii. The FERC account will be determined once the project is reviewed by the plant accountant when it is ready to be placed into service.
 - d. Please see the response below:
 - i. See the response to part c.i. above.
 - ii. See the response to part c.iii. above.
 - e. Please see the response below.
 - i. Please see the response to b.i. above.
 - ii. The capital project is not for training time of employees, it is for the plant to be purchased and put in place for training exercises such as crossarms and poles, whereby the employees learn different standards associated with the plant. The training time of employees is not included in the capital project.
 - f. Please see the response below.
 - i. There are times during the year that projects materialize that were not budgeted for in the previous year. An example is the Town of Salem requesting pole relocations because they are improving a road. This type of request would fall under the Public Requirement Blanket, but if we don't have enough funds under that project, we will use this project number to provide the additional funding.
 - g. Please see the response below:
 - i. Please see the response b.i. above.
 - h. Please see the response below:
 - i. Customers looking to install distributed generation (DG) are required to provide an application. Once the application is received, engineering reviews the location at which the DG is being installed and determines if there are any

necessary system upgrades needed to serve the customer, such as a larger transformer. We must provide the upgrade before the DG is installed to provide safe and reliable service. The cost associated with that upgrade is funded through this project.

- ii. The DG installation is not considered distribution; the upgraded equipment, such as the transformer noted in part l. is what is included in distribution.
- i. Please see the response below:
 - i. Please see the response to b.i. above.
- j. Please see the response below:
 - i. Meters are pre-capitalized materials. Upon purchase and receipt of the equipment, the charges in the meter project number are booked to plant. We also pre-capitalize a retirement unit for an estimated installation cost per unit. Because the labor and material are pre-capitalized, any movement of the meter in the field is recorded as expense. When a meter is ready for disposal, it is retired from plant and an associated install cost retirement unit is retired. An entry is also booked to record an estimated cost of removal per unit retired.
- k. Please see the response below:
 - i. Please see the response to b.i. above.
- 1. Please see the response below:
 - i. The Company is in the process of ramping up the battery storage pilot that was approved in Docket No. DE 17-189, and at this time has not purchased any batteries.
 - ii. The battery program is a pilot and does not fit in any of the regularly used budgeting categories.

B830-1936 GSE-Dist-Land/Land Rights Blanket E - Overhead/Underground 360 Blanket E - Land & Land Rights LU CapEx - Replenishment 2. Mandated 8830-1936 GSE-Dist-Telecomm Blanket E - Overhead/Underground 364 Blanket E - Meter Installations LU CapEx - Replenishment 2. Mandated 8830-1935 Dist-Transf/Capac Install Blanket E - Transformers 368 Blanket E - Meter Installations LU CapEx - Replenishment 2. Mandated 8830-1931 Install 39L4 Distribution Slayton Hilli E - Overhead/Underground 364 Specific E - Reliability LU CapEx - Improvement 4. Regulatory F Regulatory	Budget
B830-1906 GSE-Dist-Meter Blanket E - Overhead/Underground 364 Blanket E - Meter Installations LU CapEx - Replenishment 2. Mandated B830-1931 Install 39L4 Distribution Slayton Hill E - Overhead/Underground 364 Specific E - Reliability LU CapEx - Improvement 4. Regulatory F B830-1937 Install 39L4 Feeder Position Slayton Hill E - Overhead/Underground 364 Specific E - Load Related LU CapEx - Improvement 5. Discretionary B830-1931 Install 39L4 Feeder Position Slayton Hill E - Overhead/Underground 364 Specific E - Load Related LU CapEx - Improvement 5. Discretionary B830-1932 Install Slayton Feeder Power Factor Correction E - Overhead (Inderground 368 Blanket E - Load Related LU CapEx - Improvement 5. Discretionary B830-1943 Distribution Feeder Power Factor Correction E - Overhead 364 Blanket E - Reliability LU CapEx - Improvement 2. Mandated B830-1943 Distribution Feeder Power Factor Correction E - Non-Delivery 390 Blanket Facilities LU CapEx - Improvement 2. Mandated B830-1943 Distribution Feeder Power Factor Correction E - Non-Delivery 390 Blanket Facilities LU CapEx - Improvement 2. Mandated B830-1943 Distribution Feeder Power Factor Correction E - Non-Delivery 397 Specific E - Telecommunications LU CapEx - Improvement 2. Mandated B830-1932 Install 39L4 Feeder Position Slayton Hill E - Overhead REP Blanket E - Reliability LU CapEx - Improvement 4. Regulatory B830-1947 IE - NN Recloser Installations E - Overhead REP Blanket E - Reliability LU CapEx - Improvement 4. Regulatory B830-1950 NN D-Line Mork Found by Insp. E - Overhead REP Blanket E - Asset Replacement LU CapEx - Replenishment Lu CapE	\$ 2,000
Basol 1935 Dist-Transf/Capac Install Blanket E - Transformers 368 Blanket E - Transformer Installations LU CapEx - Replenishment 2. Mandated Basol 1937 Install September Lu CapEx - Improvement 4. Regulatory F Basol 1957 Install Lebanon 1L2-113 Feeder Tile E - Overhead/Underground 364 Specific E - Load Related LU CapEx - Improvement 5. Discretionary Basol 1957 Basol	\$ 2,500
B830-1957 Install Jayla Distribution Slayton Hill E - Overhead/Underground 364 Specific E - Reliability LU CapEx - Improvement 4. Regulatory F 8830-1957 Install Lebanon IL2-IL3 Feeder Tile E - Overhead/Underground 364 Specific E - Load Related LU CapEx - Improvement 5. Discretionary 18830-1920 Placeholder for Electric Training & Development E - Non-Delivery 389 Blanket Facilities LU CapEx - Improvement 5. Discretionary 18830-1919 IE-NN Dist Transformer upgrades E - Overhead/Underground 368 Blanket E - Load Related LU CapEx - Replenishment 5. Discretionary 18830-1934 Distribution Feeder Power Factor Correction E - Overhead 364 Blanket E - Reliability LU CapEx - Improvement 2. Mandated 18830-1994 Security Conversion GSE E - Non-Delivery 390 Blanket Facilities LU CapEx - Improvement 2. Mandated 18830-1994 Security Conversion GSE E - Non-Delivery 397 Specific E - Telecommunications LU CapEx - Improvement 5. Discretionary 18830-1994 Ile - Non-Delivery 397 Specific E - Telecommunications LU CapEx - Improvement 5. Discretionary 18830-1994 Ile - Non-Delivery 397 Specific E - Reliability LU CapEx - Improvement 5. Discretionary 18830-1994 Ile - Non-Delivery 397 Specific E - Reliability LU CapEx - Improvement 4. Regulatory F 2830-1994 Ile - NN Recloser Installations E - Overhead REP Blanket E - Reliability LU CapEx - Replenishment 2. Mandated 1830-1995 Ile - NN Recloser Installations E - Overhead 364 Blanket E - Asset Replacement LU CapEx - Replenishment 2. Mandated 1830-1997 GSE-Dist-Genl Equip Blanket E - Overhead 364 Blanket E - Distribution General LU CapEx - Replenishment 2. Mandated 1830-1992 GSE-Dist-Genl Equip Blanket E - Overhead 364 Blanket E - Load Related LU CapEx - Replenishment 2. Mandated 1830-1993 GSE-Dist-Genl Equip Blanket E - Overhead 364 Blanket E - Load Related LU CapEx - Replenishment 2. Mandated L	\$ 5,000
Basol 1957 Install Lebanon 1L2-1L3 Feeder Tie E - Overhead/Underground 364 Specific E - Load Related LU CapEx - Improvement 5. Discretionary 8830-1920 Placeholder for Electric Training & Development E - Non-Delivery 398 Blanket Facilities LU CapEx - Improvement 5. Discretionary 5. Discretionary 8830-1919 IE-NN Dist Transformer upgrades E - Overhead/Underground 368 Blanket E - Load Related LU CapEx - Replenishment 5. Discretionary 8830-1943 Distribution Feeder Power Factor Correction E - Overhead 364 Blanket E - Reliability LU CapEx - Improvement 2. Mandated 8830-1994 Security Conversion GSE E - Non-Delivery 390 Blanket Facilities LU CapEx - Improvement 2. Mandated 8830-1994 Security Conversion GSE E - Non-Delivery 397 Specific E - Telecommunications LU CapEx - Improvement 2. Mandated 8830-1994 Install 3914 Feeder Position Slayton Hill E - Overhead/Underground 364 Specific E - Reliability LU CapEx - Improvement 4. Regulatory F 8830-1932 Install 3914 Feeder Position Slayton Hill E - Overhead REP Blanket E - Reliability LU CapEx - Improvement 4. Regulatory F 8830-1932 No D-Line Work Found by Insp. E - Overhead 364 Blanket E - Reliability LU CapEx - Replenishment 2. Mandated 8830-1905 O1737 GSE-Dist-Subs Blanket E - Substation 362 Blanket E - Damage/Failure LU CapEx - Replenishment 2. Mandated 8830-1907 GSE-Dist-Geni Equip Blanket E - Overhead/Underground 390 Blanket E - Damage/Failure LU CapEx - Replenishment 2. Mandated 8830-1907 GSE-Dist-Geni Equip Blanket E - Overhead 364 Blanket E - Load Related LU CapEx - Replenishment 2. Mandated 8830-1907 GSE-Dist-Coad Relief Blanket E - Overhead 364 Blanket E - Load Related LU CapEx - Replenishment 2. Mandated LU CapEx - Replenishment 2. Mandated E - Overhead 364 Blanket E - Load Related LU CapEx - Replenishment 2. Mandated E - Overhead 364 Blanket E - Damage/Failure LU	\$ 5,000
Basol 1920 Placeholder for Electric Training & Development E - Non-Delivery 398 Blanket Facilities LU CapEx - Improvement 5. Discretionary Basol 1919 IE-NN Dist Transformer upgrades E - Overhead/Underground 368 Blanket E - Load Related LU CapEx - Replenishment 5. Discretionary Society Soci	
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B830-1943 Distribution Feeder Power Factor Correction E - Overhead 364 Blanket E - Reliability LU CapEx - Improvement 2. Mandated 8830-1994 Security Conversion GSE E - Non-Delivery 390 Blanket Facilities LU CapEx - Improvement 2. Mandated 8830-1968 Electric SCADA - Pi E - Non-Delivery 397 Specific E - Telecommunications LU CapEx - Improvement 2. Mandated 1830-1968 Electric SCADA - Pi E - Non-Delivery 397 Specific E - Reliability LU CapEx - Improvement 4. Regulatory F 8830-1932 Install 391.4 Feeder Position Slayton Hill E - Overhead/Underground 384 Specific E - Reliability LU CapEx - Improvement 4. Regulatory F 8830-1947 IE - NN Recloser Installations E - Overhead REP Blanket E - Reliability LU CapEx - Improvement 4. Regulatory F 8830-1902 NN D-Line Work Found by Insp. E - Overhead 364 Blanket E - Asset Replacement LU CapEx - Replenishment 2. Mandated 8830-1905 01737 GSE-Dist-Subs Blanket E - Substation 362 Blanket E - Damage/Failure LU CapEx - Replenishment 2. Mandated 8830-1907 GSE-Dist-Geni Equip Blanket E - Overhead/Underground 390 Blanket E - Distribution General LU CapEx - Replenishment 2. Mandated 8830-1907 IT Systems Allocations - Corporate E - Non-Delivery 391 Blanket IT LU CapEx - Improvement 5. Discretionary 8830-1918 Charlestown DSub E - Substation 362 Specific E - Asset Replacement LU CapEx - Replenishment 2. Mandated LU CapEx - Replenishment 2. Mandated LU CapEx - Replenishment 364 Blanket E - Load Related LU CapEx - Replenishment 364 Blanket E - Damage/Failure LU CapEx - Replenishment 364 Blanket E - Reliability LU CapEx - Replenishment 365 Discretionary 365 Discr	
B830-1994 Security Conversion GSE E - Non-Delivery 390 Blanket Facilities LU CapEx - Improvement 2. Mandated B830-1968 Electric SCADA - Pi E - Non-Delivery 397 Specific E - Telecommunications LU CapEx - Improvement 5. Discretionary 1830-1932 Install 3944 Feeder Position Slayton Hill E - Overhead/Underground 364 Specific E - Reliability LU CapEx - Improvement 4. Regulatory P 1830-1947 IE - NN Recloser Installations E - Overhead REP Blanket E - Reliability LU CapEx - Improvement 4. Regulatory P 1830-1947 IE - NN Policia 1940-1948 1940-194	
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B830-1932 Install 39L4 Feeder Position Slayton Hill E - Overhead/Underground 364 Specific E - Reliability LU CapEx - Improvement 4. Regulatory F 8830-1947 IE - NN Recloser Installations E - Overhead REP Blanket E - Reliability LU CapEx - Improvement 4. Regulatory F 8830-1902 NN D-Line Work Found by Insp. E - Overhead 364 Blanket E - Reliability LU CapEx - Replenishment 2. Mandated 8830-1905 01737 GSE-Dist-Subs Blanket E - Substation 362 Blanket E - Damage/Failure LU CapEx - Replenishment 2. Mandated 8830-1907 GSE-Dist-Geni Equip Blanket E - Overhead/Underground 390 Blanket E - Distribution General LU CapEx - Replenishment 2. Mandated 8830-1927 IT Systems Allocations - Corporate E - Non-Delivery 391 Blanket IT LU CapEx - Improvement 5. Discretionary 1830-1922 GSE-Dist-Load Relief Blanket E - Overhead 364 Blanket E - Load Related LU CapEx - Replenishment 2. Mandated 8830-1918 Charlestown DSub E - Substation 362 Specific E - Asset Replacement LU CapEx - Replenishment 4. Regulatory F	\$ 25,000
8830-1947 E - NN Recloser Installations E - Overhead REP Blanket E - Reliability LU CapEx - Improvement 4. Regulatory F 8830-1902 NN D-Line Work Found by Insp. E - Overhead 364 Blanket E - Asset Replacement LU CapEx - Replenishment 2. Mandated 8830-1907 GSE-Dist-Subs Blanket E - Substation 362 Blanket E - Distribution General LU CapEx - Replenishment 2. Mandated 8830-1907 GSE-Dist-Geni Equip Blanket E - Overhead/Underground 390 Blanket E - Distribution General LU CapEx - Replenishment 2. Mandated 8830-1927 IT Systems Allocations - Corporate E - Non-Delivery 391 Blanket IT LU CapEx - Improvement 5. Discretionary 6830-1922 GSE-Dist-Load Relief Blanket E - Overhead 364 Blanket E - Load Related LU CapEx - Improvement 4. Regulatory F 6830-1924 Charlestown DSub E - Substation 362 Specific E - Asset Replacement LU CapEx - Replenishment 4. Regulatory F 6830-1949 NN ERR/Pockets of Poor Perf E - Overhead 364 Blanket E - Reliability LU CapEx - Improvement 5. Discretionary 6830-1940 10663 GS Storm Program Proj E - Overhead 364 Blanket E - Damage/Failure LU CapEx - Replenishment 2. Mandated 6830-1923 GSE Distributed Generation Blanket E - Overhead 364 Blanket E - Damage/Failure LU CapEx - Replenishment 2. Mandated 6830-1923 GSE Distributed Generation Blanket E - Overhead 364 Blanket E - Load Related LU CapEx - Improvement 2. Mandated 6830-1910 GSE-Dist-St Light Blanket E - Overhead 364 Blanket E - Reliability LU CapEx - Improvement 2. Mandated 2. Mandated 2. Mandated 2. Mandated 2. Mandated 3630-1910 GSE-Dist-St Light Blanket E - Overhead 364 Blanket E - Coutdoor Lightning LU CapEx - Replenishment 2. Mandated 2. Mandated 2. Mandated 2. Mandated 3630-1910 GSE-Dist-St Light Blanket E - Overhead 364 Blanket E - Coutdoor Lightning LU CapEx - Replenishment 2. Mandated 2. Mandated 2. Mandated	· · · · · · · · · · · · · · · · · · ·
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830-1907 GSE-Dist-Geni Equip Blanket E - Overhead/Underground 390 Blanket E - Distribution General LU CapEx - Replenishment 2. Mandated 8830-1927 IT Systems Allocations - Corporate E - Non-Delivery 391 Blanket IT LU CapEx - Improvement 5. Discretionary 1922 GSE-Dist-Load Relief Blanket E - Overhead 364 Blanket E - Load Related LU CapEx - Improvement 5. Discretionary 1922 GSE-Dist-Load Relief Blanket E - Substation 362 Specific E - Asset Replacement LU CapEx - Replenishment 4. Regulatory F 8830-1918 NN ERR/Pockets of Poor Perf E - Overhead 364 Blanket E - Reliability LU CapEx - Improvement 5. Discretionary 1930-1949 NN ERR/Pockets of Poor Perf E - Overhead 364 Blanket E - Damage/Failure LU CapEx - Replenishment 2. Mandated 8830-1913 GSE Distributed Generation Blanket E - Overhead 364 Blanket E - Load Related LU CapEx - Replenishment 2. Mandated 8830-1923 GSE Distributed Generation Blanket E - Overhead 364 Blanket E - Load Related LU CapEx - Improvement 5. Discretionary 1930-1940 Reserve for Unidentified Discretionary Projects E - Overhead 364 Blanket E - Load Related LU CapEx - Improvement 5. Discretionary 1940-1940 Reserve for Unidentified Discretionary Projects E - Overhead 373 Blanket E - Reliability LU CapEx - Improvement 5. Discretionary 1940-1940 GSE-Dist-St Light Blanket E - Overhead 1940-1940 Reserve for Unidentified Discretionary Projects E - Overhead 1940-1940 Reserve for Unidentified Discretionary Projects E - Overhead 1940-1940 Reserve for Unidentified Discretionary Projects E - Overhead 1940-1940 Reserve for Unidentified Discretionary Projects E - Overhead 1940-1940 Reserve for Unidentified Discretionary Projects E - Overhead 1940-1940 Reserve for Unidentified Discretionary Projects E - Overhead 1940-1940 Reserve for Unidentified Discretionary Projects E - Overhead 1940-1940 Reserve for Unidentified Discretionary Projects E - Overhead 1940-1940-1940 Reserve for Unidentified Discretionary Projects E - Overhead 1940-1940-1940-1940-1940-1940-1940-1940-	\$ 50,000
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8830-1949 NN ERR/Pockets of Poor Perf E - Overhead 364 Blanket E - Reliability LU CapEx - Improvement 5. Discretionary 8830-1901 01663 GS Storm Program Proj E - Overhead 364 Blanket E - Damage/Failure LU CapEx - Replenishment 2. Mandated 8830-1923 GSE Distributed Generation Blanket E - Overhead 364 Blanket E - Load Related LU CapEx - Improvement 2. Mandated 8830-1926 Reserve for Unidenfified Discretionary Projects E - Overhead/Underground 364 Blanket E - Reliability LU CapEx - Improvement 5. Discretionary 8830-1910 GSE-Dist-St Light Blanket E - Overhead 373 Blanket E - Outdoor Lightning LU CapEx - Replenishment 2. Mandated	
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8830-1910 GSE-Dist-St Light Blanket E - Overhead 373 Blanket E - Outdoor Lightning LU CapEx - Replenishment 2. Mandated	\$ 100,000
	\$ 125,000
8830-1914 GSE-Dist-3rd Party Attach Blanket E - Overhead 364 Blanket E - 3rd Party Attachments LU CapEx - Replenishment 2. Mandated	\$ 125,000
8830-1925 IT Systems & Equipment Blanket E - Non-Delivery 391 Blanket IT LU CapEx - Improvement 5. Discretionary 8830-1934 IE-NN UG Structures and Equipment E - Overhead 366 Blanket E - Asset Replacement LU CapEx - Replenishment 2. Mandated	y \$ 125,000 \$ 125,000
OSOU-1934 IE-INN OS STUCIULIES AITO EQUIPITIENT E - OVERTIBEAU E - OVERTIBEAU E - ASSET REPIRACEMENT LO CAPEX - Repietinstriment Z. Mantidateu E - ASSET REPIRACEMENT LO CAPEX - Repietinstriment Z. Mantidateu Z. Mantidateu Repietinstriment Z. Mantidateu Z. Mantidate	\$ 125,000
10000-1901 Condentrous extended in E-verification E	
B830-1956 Install 1312-91.3 Feeder Tie E - Overhead/Underground 364 Specific E - Load Related LU CapEx - Improvement 3. Growth	\$ 200,000
8830-1964 Rockingham Substation E - Substation 362 Specific E - Load Related LU CapEx - Improvement 4. Regulatory F	
8830-1965 Rockingham Substation Transmission Supply E - Substation 362 Specific E - Load Related LU CapEx - Improvement 3. Growth	\$ 200,000
8830-1966 Install 91.2/9L3 Tie Canobie Lake E - Overhead/Underground 364 Specific E - Load Related LU CapEx - Improvement 5. Discretionan	y \$ 200,000
8830-1940 01757 NN ARP Breakers & Reclosers E - Overhead REP Blanket E - Reliability LU CapEx - Replenishment 5. Discretionary	\$ 225,000
8830-1991 01659 Granite St Meter Purchases E - Meters 370 Blanket E- Meter Installations LU CapEx - Replenishment 2. Mandated	\$ 230,000
8830-1908 SCADA and Distribution Automation E - Non-Delivery 397 Blanket E - Telecommunications LU CapEx - Improvement 5. Discretionary	y \$ 279,200
8830-1924 LED Street Light Conversion E - Overhead 373 Blanket E- Outdoor Lightning LU CapEx - Improvement 2. Mandated	\$ 300,000
8830-1929 Walk in Center Relocation Salem E - Non-Delivery 390 Specific Facilities LU CapEx - Improvement 5. Discretionary	y \$ 300,000
8830-1953 Underperforming Feeder Program E - Overhead/Underground 364 Blanket E - Reliability LU CapEx - Improvement 5. Discretionary	\$ 300,000
8830-1904 SCADA Data center upgrades E - Non-Delivery 397 Blanket E - Telecommunications LU CapEx - Improvement 5. Discretionary	\$ 350,000
8830-1959 Golden Rock Distribution Feeder 19L4 E - Overhead/Underground 364 Specific E - Load Related LU CapEx - Improvement 3. Growth	\$ 400,000
8830-1913 GSE-Dist-Asset Replace Blanket E - Overhead 364 Blanket E - Asset Replacement LU CapEx - Replenishment 2. Mandated	\$ 400,000
8830-1992 01660 Granite St. Transformer Purchases E - Transformers 368 Blanket E- Transformer Installations LU CapEx - Replenishment 2. Mandated	\$ 420,000
8830-1939 IE-NN URD Cable Replacement E - Underground 366 Blanket E - Reliability LU CapEx - Replenishment 5. Discretionary	\$ 500,000
B830-1960 Golden Rock Underground E - Underground 366 Specific E - Reliability LU CapEx Improvement 4. Regulatory P	
B830-1911 GSE-Dist-Public Require Blanket E - Overhead 364 Blanket E - Public Requirements LU CapEx Replenishment 2. Mandated	\$ 520,000
8830-1993 GSE Facilities Capital Improvements E - Non-Delivery 330 Blanket Facilities LU CapEx - Improvement 5. Discretionary	
8830-1945 Golden Rock Distribution Feeder 19L2 E - Overhead/Underground 364 Blanket E - Load Related LU CapEx - Improvement 3. Growth	\$ 600,000
8830-1921 GSE-Disk-Reliability Blanket E - Overhead 334 Blanket E - Reliability LU CapEx - Improvement 2. Mandated	\$ 600,000
B830-1948 Londonderry Reconfiguration E - Non-Delivery 390 Specific Facilities LU CapEx - Improvement 5. Discretionary	
8830-1912 Dist-Damage&Failure Blanket E - Overhead 364 Blanket E - Damage/Failure LU CapEx - Replenishment 2. Mandated	\$ 700,000
8830-1951 Enhanced Bare Conductor Replacement E - Overhead 365 Blanket E - Reliability LU CapEx - Improvement 5. Discretionary	
8830-1990 Transportation Fleet & Equip. Blanket E - Non-Delivery 392 Blanket Vehicles LU CapEx - Improvement 5. Discretionary	\$ 900,000
8830-1933 GSE Backup Battery Program E - Non-Delivery 371 Specific #N/A LU CapEx - Improvement 5. Discretionary	
8830-1946 Bare Conductor Replacement Program E - Overhead REP Blanket E - Reliability LU CapEx - Improvement 4. Regulatory F	
8830-1958 Install Service to Tuscan Village South Line E - Overhead/Underground 364 Specific E- New Business Commercial LU CapEx - Improvement 3. Growth	\$ 900,000
8830-1937 GSE-Dist-New Bus-Resid Blanket E - Overhead 364 Blanket E- New Business Residential LU CapEx - Improvement 3. Growth	\$ 1,000,000
8830-1938 GSE-Dist-New Bus-Comm Blanket E - Overhead 364 Blanket E - New Business Commercial LU CapEx - Improvement 3. Growth	\$ 1,442,000
8830-1944 Golden Rock Substation E - Substation Specific E - Load Related LU CapEx - Improvement 3. Growth	\$ 2,000,000
	\$ 20,034,736

Step Liberty Utilities (Granite State Electric) Corp. Final Step Adjustment- 2019 Capital Budget

Schedule Step

	Schedule Step															
Line	Description	Substation	Backup Batteries	Distribution Land	Misc Equipment	Underground Conduit	Office Furniture	Street Lights	Transporta tion	OH Conductors	UG Conductor	Transform ers	Meters	General	Telecom Equipment	Total
	FERC Account	362	371	360	398	365	391	373	392	364	366	368	370	390	397	
	Deferred Tax Calculation															
2	Capital Spending	2,550,000	1,000,000	2,000	23,000	875,000	175,000	425,000	900,000	8,308,036	1,125,000	450,000	230,000	1,585,000	661,700	18,309,736
4	Tax method	MACRS20	MACRS5	N/A	MACRS20	MACRS20	MACRS7	MACRS20	MACRS5	MACRS20	MACRS20	MACRS20	MACRS20	MACRS20	MACRS5	
5	Tax Depr. Rate, 20-year MACRS	3.75%	14.29%	0.00%	3.75%	3.75%	14.29%	3.75%	20.00%	3.75%	3.75%	3.75%	3.75%	3.75%	20.00%	
6																
7 8	Annual Tax Depreciation- Year 1	95,625	142,900	0	863	32,813	25,008	15,938	180,000	311,551	42,188	16,875	8,625	59,438	132,340	1,064,161
9	Book Depreciation Rate- Year 1	3.00%	10.00%	10.00%	10.00%	3.26%	4.00%	3.67%	7.50%	3.64%	1.96%	3.51%	5.00%	1.62%	4.17%	
10	Annual Book Depreciation	76,500	100,000	200	2,300	28,525	7,000	15,598	67,500	302,413	22,050	15,795	11,500	25,677	27,593	702,650
11	Annual Book Depreciation	70,500	100,000	200	2,300	20,323	7,000	13,390	07,500	302,413	22,030	13,793	11,500	23,077	27,393	702,030
12	Tax over (under) Book	19,125	42,900	(200)	(1,438)	4,288	18,008	340	112,500	9,139	20,138	1,080	(2,875)	33,761	104,747	361,511
13	Deferred Tax Balance @ 27.08%		11,617	(===)	(389)	1,161	4,876	92	30,465	2,475	5,453	292	(779)	9,142	28,366	97,951
14	9															
15	Rate Base Calculation															
16	Plant in Service			2,000	23,000	875,000	175,000	425,000	900,000	8,308,036	1,125,000	450,000	230,000	1,585,000	661,700	18,309,736
17	Accumulated Depreciation		(100,000)		(2,300)	(28,525)		(15,598)		(302,413)			(11,500)	(25,677)	(27,593)	(702,650)
18	Deferred Tax Balance	(5,179)			389	(1,161)	(4,876)	(92)	(30,465)	(2,475)	(5,453)	(292)	779	(9,142)	(28,366)	(97,951)
19	Rate Base	2,468,321	888,383	1,800	21,089	845,314	163,124	409,310	802,035	8,003,149	1,097,497	433,913	219,279	1,550,181	605,742	17,509,135
20																
21	Revenue Requirement Calculation	050 551	00.004	10.4	2.150	0.5 40.5	16.600	41.003	00.000	010.023		44.400	22 420	150 500	61.000	1.001.604
22	Return on Rate Base @ 10.23%	252,571	90,904	184	2,158	86,497	16,692	41,883	82,068	818,923	112,301	44,400	22,438	158,622	61,983	1,791,624
23 24	Depreciation Expense Property Tax, Insurance @ 2.00%	76,500 51,058	100,000 20,023	200 40	2,300 461	28,525 17,520	7,000 3,504	15,598 8,510	67,500 18,020	302,413 166,350	22,050 22,526	15,795 9,010	11,500 4,605	25,677 31,736	27,593 13,249	702,650 366,611
25	Annual Revenue Requirement	380,129	210,927	424	4,918	132,542	27,196	65,990	167,589	1,287,685	156,877	69,205	38,543	216,035	102,825	2,860,886
26	Annual Revenue Requirement	380,129	210,927	424	4,918	132,542	27,196	65,990	167,589	1,287,685	156,877	69,205	38,543	216,035	102,825	2,860,886
27		300,127	210,727	727	7,710	132,342	27,170	05,770	107,507	1,207,003	150,077	07,203	50,545	210,033	102,023	2,000,000
28	Rate of Return Calculation	Portion								After-Tax Cost	WACC			Pre-Tax		
29	Equity	55.0%								10.00%		-	-	7.54%		
30	Debt	45.0%								5.97%				2.69%		
31		100.0%	•								8.19%	•	-	10.23%		
32	Bad Debt adder		•									•				
33																
34	Municipal taxes															4,842,312
35	Injuries and Damage (Insurance	expense)														1,494,365
36	Less: Storm Fund															(1,500,000)
37	Maintenance of General Plant															0
38																4,836,677
39	Plant at Cost															241,559,000
40	As % of Plant Cost															2.00%
41																
42	Total Distribution with Step															8,543,988
43	% of distribution															21.13%
44	% total revenue															8.46%

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Data Requests - Set 9

Date Request Received: 9/26/19

Request No. Staff 9-1

Date of Response: 10/10/19

Respondent: Philip E. Greene

David B. Simek

REQUEST:

Re: OCA 2-10 b., Attachment Staff 3-28, Testimony of Greene/Simek at Bates II-093 and Attachment PEG/DBS-2, testimony of Rivera/Strabone/Tebbetts at Bates II-187 to II-191, and testimony of Steven E. Mullen at Bates II-207. Given that the testimony of Liberty's witnesses indicate additional step adjustments beyond 2019 and a process for reviewing those adjustments, please provide the following:

- a. The Company's forecast in the format used in Attachment Staff 3-28 that identifies each of the projects and estimated costs that will comprise any proposed step adjustments for 2020, 2021, 2022, and 2023.
- b. A complete copy of Liberty's most recent 5-year capital plan.

RESPONSE:

- a. See Attachment Staff 9-1.a, which contains planned capital projects for years 2020 through 2023, excluding REP and projects for growth. Please note that this is based on the current 5-year plan and is subject to review and approval during the budget process for these future years as well as under the company's Capital Expenditure Planning and Management Policy.
- b. See Attachment Staff 9-1.b, which contains all planned capital projects under the current 5-year plan. Please note this capital plan remains subject to review and approval during the budget process for these future years as well as under the company's Capital Expenditure Planning and Management Policy.

Docket No. DE 19-064 Attachment Staff 9-1.a Page 1 of 2

Project #	Project_Description	Discipline	FERC Priority	2020 Capital Plan	2021 Capital Plan	2022 Capital Plan	2023 Capital Plan
Not yet assigned	GSE-Dist-Land/Land Rights Blanket	E - Overhead/Underground	360 2. Mandated	2,000	2,000	2,000	2,060
Not yet assigned	GSE-Dist-Telecomm Blanket	E - Telecommunications	391 2. Mandated	2,500	2,500	2,500	2,575
Not yet assigned	GSE-Dist-Meter Blanket	E - Overhead/Underground	364 2. Mandated	5,000	5,000	5,000	5,150
Not yet assigned	Dist-Transf/Capac Install Blanket	E - Transformers	368 2. Mandated	5,000	5,000	5,000	5,150
Not yet assigned	NEN-NH Electric Fence FY10	E - Overhead/Underground	364 5. Discretionary	-			50,000
Not yet assigned	Remove 1303 Line - Wilder Junction to Sachem Jct.	E-Overhead	362 5. Discretionary	-	100,000	-	
Not yet assigned	Salem Depot#9 Retirement	E - Substation	362 5. Discretionary	-	-	-	100,000
Not yet assigned	Barron Ave#10 Retirement	E - Overhead/Underground	364 5. Discretionary	-	-	50,000	50,000
Not yet assigned	LED Street Light Conversion	E - Overhead	373 2. Mandated	100,000	-	-	-
Not yet assigned	Security Conversion GSE	E - Non-Delivery	390 2. Mandated	25,000	25,000	25,000	25,000
Not yet assigned	NH ARP Batts/Chargers Repl Prog	E - Overhead	362 5. Discretionary	-	-	25,750	26,523
Not yet assigned	Reserve for Sub Asset Repl Specifics	E - Substation	362 5. Discretionary	-	-	-	51,500
Not yet assigned	NH ARP Relay & related	E - Substation	362 5. Discretionary	-	50,000	20,000	20,000
Not yet assigned	IE-NN Dist Transformer upgrades	E - Overhead/Underground	368 5. Discretionary	25,000	25,000	25,000	25,750
Not yet assigned	01737 GSE-Dist-Subs Blanket	E - Substation	362 2. Mandated	25,000	25,000	25,750	26,523
Not yet assigned	Distribution Feeder Power Factor Correction	E - Overhead	364 2. Mandated	10,000	10,000	25,000	50,000
Not yet assigned	23kV Cable Inspection and Replacement Program	E - Underground	366 5. Discretionary	50,000	-	-	50,000
Not yet assigned	GSE-Dist-Water Heater Blanket	E - Non-Delivery	390 2. Mandated	-	-	-	82,400
Not yet assigned	Install 9L2/9L3 Tie Canobie Lake	E - Overhead	364 5. Discretionary	-	200,000		
Not yet assigned	NN D-Line Work Found by Insp.	E - Overhead	364 2. Mandated	-	50,000	50,000	50,000
Not yet assigned	Repave Parking Lot - 9 Lowell Rd Salem	E - Non-Delivery	390 5. Discretionary	-	200,000	-	-
Not yet assigned	Regulator Repl- NE North NH	E - Substation	364 2. Mandated	50,000			
Not yet assigned	Reserve for Reliability Unidentified Specifics	E - Overhead/Underground	364 5. Discretionary	-	-	-	103,000
Not yet assigned	Reserve for Load Relief Unidentified Specifics	E - Overhead/Underground	364 5. Discretionary	-	-	-	106,090
Not yet assigned	Reserve for Public Requirements Unidentified Specifics	E - Overhead/Underground	364 5. Discretionary	-	-	-	106,090
Not yet assigned	Spaulding Hill Line Extension	E - Overhead	364 5. Discretionary	-	250,000		
Not yet assigned	IT Systems Allocations - Corporate	E - Non-Delivery	391 5. Discretionary	50,000	50,000	50,000	50,000
Not yet assigned	GSE Distributed Generation Blanket	E - Overhead	364 2. Mandated	50,000	50,000	50,000	50,000
Not yet assigned	GSE-Dist-Genl Equip Blanket	E - Non-Delivery	390 2. Mandated	50,000	50,000	50,000	51,500
Not yet assigned	Install 39L4 Distribution Slayton Hilll	E - Overhead/Underground	364 4. Regulatory Programs	-	290,000	-	
, ,	MT Support- 16L7 Distribution Feeder	E - Overhead/Underground	364 4. Regulatory Programs	-	290,000		
, ,	PS&I Activity - New Hampshire	E - Overhead	364 5. Discretionary	-	-	100,000	100,000
, -	Install Solar Panels - GSE Buildings	E - Non-Delivery	390 5. Discretionary	-	300,000	-	-
, 0	Install Lebanon 1L2-1L3 Feeder Tie	E - Overhead	364 5. Discretionary	-	345,000	-	
, 0	IE-NN UG Structures and Equipment	E - Overhead	366 5. Discretionary	50,000	50,000	50,000	50,000
, 0	Reserve for Unidenfified Discretionary Projects	E - Non-Delivery	364 5. Discretionary	50,000	50,000	50,000	100,000
, ,	Reserve for Damage/Failure Unidentified Specifics &	E - Overhead/Underground	364 5. Discretionary	-	100,000	103,000	106,090
, 0	Install 39L4 Feeder Position Slayton Hill	E - Substation	364 4. Regulatory Programs	-	450,000	-	
, ,	MT Support- 16L7 Distribution Feeder (Substation)	E - Substation	364 4. Regulatory Programs	-	450,000		
, ,	Air Break Switch Upgrade Program	E - Overhead	364 5. Discretionary	-	150,000	100,000	100,000
, ,	Charlestown DSub	E - Substation	362 4. Regulatory Programs	-	-	-	450,000
, ,	GSE-Dist-Load Relief Blanket	E - Overhead/Underground	364 2. Mandated	80,000	100,000	100,000	103,000
, 0	NN ERR/Pockets of Poor Perf	E - Overhead	364 5. Discretionary	-	50,000	100,000	100,000
, 0	SCADA Data center upgrades	E - Overhead	397 5. Discretionary	100,000	100,000	100,000	100,000
Not yet assigned	SAP-Ariba GSE Portion Procure to Pay Software	E - Non-Delivery	397 5. Discretionary	523,080			

Docket No. DE 19-064 Attachment Staff 9-1.a

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					2020 Capital	2021 Capital	2022 Capital	2023 Capital
Project #	Project_Description	Discipline	FERC	Priority	Plan	Plan	Plan	Plan
Not yet assigned	Lebanon Area Low Voltage Mitigation	E - Overhead	36	4 2. Mandated	-	50,000	50,000	50,000
Not yet assigned	Amerductor replacement program	E - Overhead	36	5 5. Discretionary	-	100,000	100,000	100,000
Not yet assigned	IT Systems & Equipment Blanket	E - Non-Delivery	39:	1 5. Discretionary	125,000	125,000	125,000	125,000
Not yet assigned	GSE-Dist-St Light Blanket	E - Overhead	37	3 2. Mandated	125,000	125,000	125,000	125,000
Not yet assigned	GSE-Dist-3rd Party Attach Blanket	E - Overhead	36	4 2. Mandated	125,000	125,000	128,750	132,613
Not yet assigned	Pelham-New 14L5 Fdr Breaker Position	E - Substation	36	4 4. Regulatory Programs	-	700,000	-	-
Not yet assigned	Pelham-New 14L5 Fdr Distribution Line	E - Substation	36	4 4. Regulatory Programs	-	700,000	-	-
Not yet assigned	Feeder Getaway Cable Replacement	E - Underground	36	4 5. Discretionary	-		250,000	250,000
Not yet assigned	Golden Rock Underground	E - Overhead/Underground	36	6 4. Regulatory Programs	100,000	-	-	700,000
Not yet assigned	Underperforming Feeder Program	E - Overhead/Underground	36	4 5. Discretionary	-	300,000	103,000	106,090
Not yet assigned	Golden Rock Substation	E - Substation	36	2 2. Mandated	650,000	-	-	350,000
Not yet assigned	GSE Facilities Capital Improvements	E - Non-Delivery	390	5. Discretionary	600,000	180,000	130,000	178,714
Not yet assigned	Rebuild Lockhaven Rd Enfield Phase 1	E - Overhead	36	4 5. Discretionary	-	-	10,000	1,000,000
Not yet assigned	Rebuild Lockhaven Rd Enfield Phase 2	E - Overhead	36	4 5. Discretionary	-	-	-	10,000
Not yet assigned	Main St Salem - Overhead Line Relocation	E - Overhead/Underground	36	4 2. Mandated	1,200,000			
Not yet assigned	Golden Rock Distribution Feeder 19L6	E - Overhead/Underground	36	4 4. Regulatory Programs	1,300,000			
Not yet assigned	01663 GS Storm Program Proj	E - Overhead	36	4 2. Mandated	300,000	300,000	300,000	300,000
Not yet assigned	Purchase and Rennovate New Building - Walpole	E - Non-Delivery	390	5. Discretionary	-	500,000	500,000	515,000
Not yet assigned	Install Lebanon 1L2 Feeder Tie - Plainfield	E - Overhead	36	4 5. Discretionary	-	-	300,000	1,000,000
Not yet assigned	Rockingham Distribution Feeders	E - Overhead/Underground	36	4 4. Regulatory Programs	500,000	1,000,000	100,000	
Not yet assigned	01659 Granite St Meter Purchases	E - Meters	370	2. Mandated	840,000	250,000	257,500	265,225
Not yet assigned	Transportation Fleet & Equip. Blanket	E - Non-Delivery	393	2 5. Discretionary	1,129,000	100,000	100,000	550,000
Not yet assigned	GSE-Dist-Asset Replace Blanket	E - Overhead/Underground	36	4 2. Mandated	400,000	400,000	412,000	424,360
Not yet assigned	Install Vilas Bridge 12L1-12L2 Feeder Tie	E - Overhead	36	4 5. Discretionary	-	-	300,000	1,000,000
Not yet assigned	01660 Granite St Transformer Purchases	E - Transformers	36	3 2. Mandated	600,000	420,000	432,600	445,578
Not yet assigned	GSE-Dist-Public Require Blanket	E - Overhead	36	4 2. Mandated	520,000	520,000	535,600	551,668
Not yet assigned	Golden Rock Distribution Feeder 19L8	E - Overhead/Underground	36	4 4. Regulatory Programs	-			2,700,000
Not yet assigned	GSE Backup Battery Program	E - Overhead/Underground	37	1 4. Regulatory Programs	1,500,000	1,500,000		
Not yet assigned	GSE-Dist-Reliability Blanket	E - Overhead	36	4 2. Mandated	618,000	636,540	655,636	675,305
Not yet assigned	Enhanced Bare Conductor Replacement	E - Overhead	36	5 5. Discretionary	875,000	875,000	875,000	875,000
Not yet assigned	SCADA and Distribution Automation	E - Overhead	39	7 5. Discretionary	-	1,000,000	1,000,000	1,000,000
Not yet assigned	Dist-Damage&Failure Blanket	E - Overhead	36	4 2. Mandated	1,000,000	1,000,000	1,000,000	1,000,000
Not yet assigned	Rockingham Substation	E - Substation	36	2 4. Regulatory Programs	500,000	5,000,000	500,000	-
Not yet assigned	IE-NN URD Cable Replacement	E - Underground	36	5 5. Discretionary	-	1,500,000	1,500,000	1,500,000
Not yet assigned	Customer First Project *	E - Non-Delivery	39:	1 5. Discretionary	3,175,286	15,476,633	3,167,603	
Not yet assigned	Rockingham Substation Transmission Supply	E - Overhead/Underground	36	2 3. Growth	500,000	6,000,000	6,000,000	
					17,934,866	42,707,673	20,071,690	18,227,952

^{*} Customer First project includes upgrade to SAP system and all related integration/applications (SAP Foundation, ERP/EAM, CIS, GIS and AMI)

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								8-
					2021 Capital	2022 Capital	2023 Capital	2024 Capital
Project #	Project_Description	Discipline	Priority	Plan	Plan	Plan	Plan	Plan
	GSE-Dist-Land/Land Rights Blanket	E - Overhead/Underground		2,000	2,000	2,000	2,060	2,060
, 0	GSE-Dist-Telecomm Blanket	E - Telecommunications	2. Mandated	2,500	2,500	2,500	2,575	2,575
Not yet assigned	GSE-Dist-Meter Blanket	E - Overhead/Underground	2. Mandated	5,000	5,000	5,000	5,150	5,150
, ,	Dist-Transf/Capac Install Blanket	E - Transformers	2. Mandated	5,000	5,000	5,000	5,150	5,150
Not yet assigned	NEN-NH Electric Fence FY10	E - Overhead/Underground	5. Discretionary	-			50,000	
Not yet assigned	Remove 1303 Line - Wilder Junction to Sachem Jct.	E-Overhead	5. Discretionary	-	100,000	-		
Not yet assigned	Salem Depot#9 Retirement	E - Substation	5. Discretionary	-	-	-	100,000	
Not yet assigned	Barron Ave#10 Retirement	E - Overhead/Underground	5. Discretionary	-	-	50,000	50,000	
Not yet assigned	LED Street Light Conversion	E - Overhead	2. Mandated	100,000	-	-	-	
Not yet assigned	Security Conversion GSE	E - Non-Delivery	2. Mandated	25,000	25,000	25,000	25,000	
Not yet assigned	NH ARP Batts/Chargers Repl Prog	E - Overhead	5. Discretionary	-	-	25,750	26,523	50,000
Not yet assigned	Reserve for Sub Asset Repl Specifics	E - Substation	5. Discretionary	-	=	-	51,500	51,500
Not yet assigned	NH ARP Relay & related	E - Substation	5. Discretionary	-	50,000	20,000	20,000	20,000
Not yet assigned	IE-NN Dist Transformer upgrades	E - Overhead/Underground	5. Discretionary	25,000	25,000	25,000	25,750	25,750
Not yet assigned	01737 GSE-Dist-Subs Blanket	E - Substatio n	2. Mandated	25,000	25,000	25,750	26,523	26,523
Not yet assigned	Distribution Feeder Power Factor Correction	E - Overhead	2. Mandated	10,000	10,000	25,000	50,000	50,000
Not yet assigned	23kV Cable Inspection and Replacement Program	E - Underground	5. Discretionary	50,000	-	-	50,000	50,000
Not yet assigned	GSE-Dist-Water Heater Blanket	E - Non-Delivery	2. Mandated	-	-	-	82,400	82,400
Not yet assigned	Install 9L2/9L3 Tie Canobie Lake	E - Overhead	5. Discretionary	=	200,000			
Not yet assigned	NN D-Line Work Found by Insp.	E - Overhead	2. Mandated	_	50,000	50,000	50,000	50,000
Not yet assigned	Repave Parking Lot - 9 Lowell Rd Salem	E - Non-Delivery	5. Discretionary	_	200,000	-	-	
, -	Regulator Repl- NE North NH	E - Substatio n	2. Mandated	50,000	,			150,000
	Reserve for Reliability Unidentified Specifics	E - Overhead/Underground	5. Discretionary	-	-	_	103,000	103,000
	Reserve for Load Relief Unidentified Specifics	E - Overhead/Underground	,	_	_	-	106,090	106,090
, -	Reserve for Public Requirements Unidentified Specifics	E - Overhead/Underground	•	_	_	_	106,090	106,090
	Spaulding Hill Line Extension	E - Overhead	5. Discretionary	_	250,000			
	IT Systems Allocations - Corporate	E - Non-Delivery	5. Discretionary	50,000	50,000	50,000	50,000	50,000
	IE - NN Recloser Installations	E - Overhead	4. Regulatory Programs	50,000	50,000	50,000	50,000	50,000
, -	GSE Distributed Generation Blanket	E - Overhead	2. Mandated	50,000	50,000	50,000	50,000	50,000
	GSE-Dist-Genl Equip Blanket	E - Non-Delivery	2. Mandated	50,000	50,000	50,000	51,500	51,500
	Install 39L4 Distribution Slayton Hilll	E - Overhead/Underground		-	290,000	-	31,300	31,300
, -	MT Support- 16L7 Distribution Feeder	E - Overhead/Underground		_	290,000			
, 0	PS&I Activity - New Hampshire	E - Overhead	5. Discretionary		250,000	100,000	100,000	100,000
, 0	Install Solar Panels - GSE Buildings	E - Non-Delivery	5. Discretionary		300.000	100,000	100,000	100,000
, 0	Reserve for New Business Residential	E - Overhead/Underground	,	_	500,000	_	159,135	159,135
, 0	Reserve for New Business Commercial Unident specific & SC	E - Overhead/Underground				_	159,135	159,135
, ,	Install Lebanon 1L2-1L3 Feeder Tie	E - Overhead	5. Discretionary	_	345,000	_	139,133	139,133
	IE-NN UG Structures and Equipment	E - Overhead	5. Discretionary	50,000	50,000	50,000	50,000	150,000
, 0	Reserve for Unidenfified Discretionary Projects	E - Non-Delivery	5. Discretionary	50,000	50,000	50,000	100,000	100,000
	Reserve for Damage/Failure Unidentified Specifics &	•	5. Discretionary	30,000	100,000	103,000	106,000	106,000
	Install 39L4 Feeder Position Slayton Hill		•	-	,	105,000	100,090	100,090
	•	E - Substatio n	4. Regulatory Programs	-	450,000 450,000	-		
	MT Support- 16L7 Distribution Feeder (Substation)	E - Substatio n	4. Regulatory Programs	-	,	100.000	100.000	100.000
	Air Break Switch Upgrade Program	E - Overhead	5. Discretionary	-	150,000	100,000	100,000	100,000
	Charlestown DSub	E - Substatio n	4. Regulatory Programs	-			450,000	
	GSE-Dist-Load Relief Blanket	E - Overhead/Underground		80,000	100,000	100,000	103,000	103,000
, -	NN ERR/Pockets of Poor Perf	E - Overhead	5. Discretionary	400,000	50,000	100,000	100,000	250,000
	SCADA Data center upgrades	E - Overhead	5. Discretionary	100,000	100,000	100,000	100,000	100,000
Not yet assigned	SAP-Ariba GSE Portion Procure to Pay Software	E - Non-Delivery	5. Discretionary	523,080				

Docket No. DE 19-064 Attachment Staff 9-1.b Page 2 of 2

				2020 Capital	2021 Capital	2022 Capital	2023 Capital	2024 Capital
Project #	Project_Description	Discipline	Priority	Plan	Plan	Plan	Plan	Plan
Not yet assigned	Lebanon Area Low Voltage Mitigation	E - Overhead	2. Mandated	-	50,000	50,000	50,000	400,000
Not yet assigned	Amerductor replacement program	E - Overhead	5. Discretionary	-	100,000	100,000	100,000	300,000
Not yet assigned	IT Systems & Equipment Blanket	E - Non-Delivery	5. Discretionary	125,000	125,000	125,000	125,000	125,000
Not yet assigned	GSE-Dist-St Light Blanket	E - Overhead	2. Mandated	125,000	125,000	125,000	125,000	125,000
Not yet assigned	GSE-Dist-3rd Party Attach Blanket	E - Overhead	2. Mandated	125,000	125,000	128,750	132,613	132,613
Not yet assigned	Pelham-New 14L5 Fdr Breaker Position	E - Substation	4. Regulatory Programs	=	700,000	-	-	
Not yet assigned	Pelham-New 14L5 Fdr Distribution Line	E - Substatio n	4. Regulatory Programs	=	700,000	-	-	
Not yet assigned	Feeder Getaway Cable Replacement	E - Underground	5. Discretionary	-		250,000	250,000	250,000
Not yet assigned	Golden Rock Underground	E - Overhead/Underground	4. Regulatory Programs	100,000	-	-	700,000	
Not yet assigned	Underperforming Feeder Program	E - Overhead/Underground	5. Discretionary	-	300,000	103,000	106,090	400,000
Not yet assigned	01757 NN ARP Breakers & Reclosers	E - Substation	5. Discretionary	100,000		100,000	375,000	375,000
Not yet assigned	Golden Rock Substation	E - Substation	2. Mandated	650,000	-	-	350,000	
Not yet assigned	Install Service to Tuscan Village South Line	E - Overhead/Underground	3. Growth	900,000	100,000	-		
Not yet assigned	GSE Facilities Capital Improvements	E - Non-Delivery	5. Discretionary	600,000	180,000	130,000	178,714	
Not yet assigned	Rebuild Lockhaven Rd Enfield Phase 1	E - Overhead	5. Discretionary	-	-	10,000	1,000,000	100,000
Not yet assigned	Rebuild Lockhaven Rd Enfield Phase 2	E - Overhead	5. Discretionary	-	-	-	10,000	1,100,000
Not yet assigned	Main St Salem - Overhead Line Relocation	E - Overhead/Underground	2. Mandated	1,200,000				
Not yet assigned	Golden Rock Distribution Feeder 19L6	E - Overhead/Underground	4. Regulatory Programs	1,300,000				
Not yet assigned	01663 GS Storm Program Proj	E - Overhead	2. Mandated	300,000	300,000	300,000	300,000	300,000
Not yet assigned	Purchase and Rennovate New Building - Walpole	E - Non-Delivery	5. Discretionary	-	500,000	500,000	515,000	
Not yet assigned	Install Lebanon 1L2 Feeder Tie - Plainfield	E - Overhead	5. Discretionary	-	-	300,000	1,000,000	300,000
Not yet assigned	Rockingham Distribution Feeders	E - Overhead/Underground	4. Regulatory Programs	500,000	1,000,000	100,000		
Not yet assigned	01659 Granite St Meter Purchases	E - Meters	2. Mandated	840,000	250,000	257,500	265,225	265,225
Not yet assigned	Transportation Fleet & Equip. Blanket	E - Non-Delivery	5. Discretionary	1,129,000	100,000	100,000	550,000	
Not yet assigned	GSE-Dist-Asset Replace Blanket	E - Overhead/Underground	2. Mandated	400,000	400,000	412,000	424,360	424,360
Not yet assigned	Install Vilas Bridge 12L1-12L2 Feeder Tie	E - Overhead	5. Discretionary	-	-	300,000	1,000,000	1,000,000
Not yet assigned	01660 Granite St Transformer Purchases	E - Transformers	2. Mandated	600,000	420,000	432,600	445,578	445,578
Not yet assigned	GSE-Dist-Public Require Blanket	E - Overhead	2. Mandated	520,000	520,000	535,600	551,668	551,668
Not yet assigned	Golden Rock Distribution Feeder 19L8	E - Overhead/Underground	4. Regulatory Programs	-			2,700,000	
Not yet assigned	GSE Backup Battery Program	E - Overhead/Underground	4. Regulatory Programs	1,500,000	1,500,000			
Not yet assigned	GSE-Dist-Reliability Blanket	E - Overhead	2. Mandated	618,000	636,540	655,636	675,305	675,305
Not yet assigned	Enhanced Bare Conductor Replacement	E - Overhead	5. Discretionary	875,000	875,000	875,000	875,000	875,000
Not yet assigned	SCADA and Distribution Automation	E - Overhead	5. Discretionary	-	1,000,000	1,000,000	1,000,000	2,000,000
Not yet assigned	Dist-Damage&Failure Blanket	E - Overhead	2. Mandated	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Not yet assigned	Rockingham Substation	E - Substation	4. Regulatory Programs	500,000	5,000,000	500,000	-	
Not yet assigned	IE-NN URD Cable Replacement	E - Underground	5. Discretionary	-	1,500,000	1,500,000	1,500,000	2,000,000
Not yet assigned	Bare Conductor Replacement Program	E - Overhead	4. Regulatory Programs	1,450,000	1,450,000	1,450,000	1,450,000	1,450,000
, -	Customer First Project *	E - Non-Delivery	5. Discretionary	3,175,286	15,476,633	3,167,603		
, -	GSE-Dist-New Bus-Comm Blanket	E - Overhead	3. Growth	1,485,260	1,529,818	1,575,712	1,622,984	1,622,984
	GSE-Dist-New Bus-Resid Blanket	E - Overhead	3. Growth	1,856,575		1,969,640	2,028,730	2,028,730
Not yet assigned	Rockingham Substation Transmission Supply	E - Overhead/Underground	3. Growth	500,000	6,000,000	6,000,000		
				23,776,701	47,749,763	25,217,042	24,072,936	20,661,610

^{*} Customer First project includes upgrade to SAP system and all related integration/applications (SAP Foundation, ERP/EAM, CIS, GIS and AMI)

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 1

Date Request Received: 10/18/19

Request No. Staff TS 1-20

Date of Response: 11/1/19

Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Re: Staff 9-3, please explain why Sections 3, 5, and 7 are not filled out on the Project Close Out Reports provided.

RESPONSE:

For Section 3, given that the business cases and other project documentation are readily available, and that the status of projects is discussed in the monthly review of capital projects that takes place in the capital budget meetings, the portion of Section 3 indicating the location of certain documents has not been viewed as critical to the overall project documentation. It is viewed as more important that the necessary documentation has been prepared and the approvals received. Blanket projects will not have this information filled out due to the nature of the project. Blanket projects have numerous work orders within them and are usually short duration, such as installation of a residential overhead service. For non-blanket projects, not all of the items in Section 3 may apply, such as the risks and issues log. Sections 5 (Lessons Learned) and 7 (Open Issues) are job specific. If there are no identified issues, these sections will be blank or indicate "N/A." An example of when these sections were not blank was the Project Close Out form provided for 8830-C36430.

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Data Requests - Set 9

Date Request Received: 9/26/19

Request No. Staff 9-17

Date of Response: 10/10/19

Respondent: Melissa F. Bartos

REQUEST:

Reference Bartos Testimony. Please provide Liberty's expected increase in primary distribution plant additions over the next 2 to 5 years. Please identify the amount of the primary distribution plant additions that are due to increases in peak demand. For anticipated investments related to increases in peak demand, please provide the total cost, nameplate capacity increase, and anticipated increase in system capacity as evaluated under standard planning conditions.

RESPONSE:

Table 1 on the following pages contains Company information regarding plant additions over the next five years.

Table 1

Project	Increase in Nameplate			
Name	Capacity		Description of	Description of
2020 - 2024	(Increase in System		Secondary Plant	Transformer Plant
Total Cost	Capacity)	Description of Primary Plant Additions	Additions	Additions
		Add one new 55 MVA 115/13 kV transformer		
		and three distribution feeder positions at the		
		Golden Rock substation. One power	It is not anticipated	
		transformer and two distribution feeders are	that the Golden Rock	
		added in 2019 and one distribution feeder will	will add considerable	
		be added in 2020. The 2020 feeder installation	secondary plant. It is	Approximately 24
Golden Rock		will require approximately 700ft of 3-1000	assumed that the	transformers will be
Project		kCMIL Cu cables and 2.75 miles of 477 spacer	existing secondary	replaced along the 2.75
	55 MVA	cable. Approximately 55 poles will be replaced	wires will be	mile reconductoring
\$5,800,000	(79 MVA non firm)	as part of this new feeder install.	transferred.	project.
			It is not anticipated	
			that the Rockingham	
		Add two new 55 MVA 115/13 kV transformers	project will add	
Rockingham		and six distribution feeder positions in a	considerable secondary	The number of
Project		metalclad switchgear configuration.	plant. It is assumed	distribution transformers
	110 MVA nameplate	Approximately 2 miles of 3-1000 kCMIL Cu	that the existing	that will be replaced as
\$20,100,000	from transformer	cables and 2 miles of 477 spacer cable will be	secondary wires will be	part of this project has
	(92 MVA firm)	added as part of this project.	transferred.	not been determined.
		The new Slayton Hill 39L4 feeder position will		
		be installed at the Slayton Hill substation to		
		provide load relief to the West Lebanon area		
Slayton Hill	Not Applicable	from a new customer expansion.		There will be no
39L4 Project	(One distribution feeder	Approximately 850 feet of 3-1000 kCMIL Cu	This project will not	distribution transformers
	will add approximately	cables and one load break will be installed as	add considerable	replaced as part of this
\$740,000	12MVA of capacity.)	part of this project.	secondary plant.	project.

Project	Increase in Nameplate			
Name	Capacity		Description of	Description of
2020 - 2024	(Increase in System		Secondary Plant	Transformer Plant
Total Cost	Capacity)	Description of Primary Plant Additions	Additions	Additions
		The new Mt Support 16L7 feeder position will		
		be installed at the Mt Support substation to		
Mt Support	Not Applicable	provide load relief to the North Lebanon area		There will be no
16L7 Project	(One distribution feeder	from a new customer expansion	This project will not	distribution transformers
	will add approximately	.Approximately 900 feet of 3-1000 kCMIL Cu	add considerable	replaced as part of this
\$740,000	12MVA of capacity.)	cables will be installed as part of this project.	secondary plant.	project.
	Average increase in			
	nameplate capacity is			
	25kVA. Assuming 50	This program aims to reduce excess loading	This project will	
Distribution	replacements / year for	conditions on distribution transformers over a	reconfigure existing	In the next five years it is
Transformer	the next five years gives	15 year period. Based on a 15 year program, 50	secondary to balance	anticipated that 250
Upgrades	6.25 MVA of increased	installations need to be replaced annually. This	loading and will not	transformers will be
	nameplate capacity.	project will not add considerable distribution	add considerable	replaced due to capacity
\$375,000	(Not Applicable)	plant.	secondary plant.	issues.

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Data Requests - Set 6

Date Request Received: 8/23/19

Request No. Staff 6-23

Date of Response: 9/11/19

Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Re: Staff 3-29 and Staff 5-14 a.:

- a. Confirm that the 2019 growth projects represented in the table in Staff 3-29 totaling \$3.5 million are related to the Tuscan Village project? What other growth projects are related to Tuscan Village but not listed in the table?
- b. To date how much capital has been invested by Liberty in all projects related to Tuscan Village? Please provide an itemization by project number and amount.
- c. Tuscan Village has contributed \$752,989 in CIAC: What is the current estimate for additional CIAC yet to be provided?
- d. What is the estimated dollar amount of the growth projects that will be placed in rate base upon completion?
- e. What is the current completion date for the Tuscan Village project?
- f. If not for the Tuscan Village project, i.e. the project, associated load (14 17 MW) and projected revenue (\$2.9 million) do not exist, which of the proposed growth projects would still be included the capital budget and scheduled for construction? Please itemize according to project number and provide the financial and engineering justification for each.

RESPONSE:

- a. As stated in response to Staff 3-29, of the projects listed in the table in Staff 3-29, all are related to the Tuscan build-out except 8830-1956. This project, budgeted at \$200,000, is related to increased load on Interstate 93, Exit 3, and to a recent expansion project at Canobie Lake Park. The following projects are also related to the Tuscan Village expansion but were not categorized as growth projects:
 - 8830-1964 Rockingham Substation Asset condition: retire Salem Depot substation

- Rockingham Distribution Feeders Asset condition: retire Salem Depot substation, new feeders are required serve from the Rockingham substation. The project is expected to commence in 2020 so project numbers are not available at this time.
- b. As of the date of this response, the total capital invested on Tuscan Village-related projects between 2018 and 2019 is \$6.8 million, which includes the \$3.3 million shown in the table in Staff 3-29. Please see the response to Staff 6-24 for the civil and electrical layout of what has been installed to date.
- c. Until the final design for the services at each of the individual parcels is completed, the Company will not know how much more CIAC will be required. The final designs for each service will be provided by the developers on an ongoing basis. Please refer to the response to Staff 6-24 for additional information.
- d. The estimated dollar amount is \$29.95 million, as provided in the testimony of Rivera, Strabone, and Tebbetts on Bates II-197.
 - Although these projects were categorized as growth, they also look to address other existing system issues, are part of a multi-phased construction approach, and support the construction of the Rockingham projects, as provided in Staff 3-29.a. Other non-growth benefits include:
 - Golden Rock 23kV relocation This project makes room for the addition of a new 115kV line to Golden Rock, (Phase 1 of the Salem Area Study), which will also be routed to supply the new 115kV Rockingham substation and Tuscan Village (Phase 2 of the Salem Area Study).
 - The Golden Rock Substation and associated distribution feeders will support Tuscan Village growth until the new Rockingham substation can be built. They will also support the construction of the Rockingham Transmission Supply by reducing the loading on the 23kV system and facilitate planned outages. In addition, these projects will allow for the retirement of the Barron Ave substation, which needs to be replaced due to asset condition as previously discussed in Docket No. DE 16-383, Response to Staff 4-51, and will reduce the load at risk from the Spicket River substation as previously discussed in Docket No. DE 16-383, Response to Staff 4-50. This is part of Phase 1 of the Salem Area Study.
 - The 13L2-9L3 feeder tie provides additional flexibility to restore load given the additions of the Gateway Project, which consists of an office building, a nursing home, a day care center, and a small business park off Exit 3 on Interstate 93. This project is not related to the Tuscan Village expansion.
 - Rockingham Transmission Supply will install two new 115kV lines to supply the new Rockingham substation. Each Transmission pole line will include a 23kV underbuilt circuit, which will initially serve as the supply to the Olde Trolley substation and, in the future, will serve as new Golden Rock 13kV circuits (Phase 3 of the Salem Area Study).
- e. The estimated completion date for all of Tuscan North and South is 2022. Please refer to the response in Staff 6-24 for the breakdown of the project between the north and south.

This response will be hypothetical in nature given that Liberty does not analyze the system as if certain events that are taking place never occurred. Liberty has a responsibility to serve new load and support customer expansions in its service areas. For example, in 2013 Granite State Electric constructed the 115kV/13kV Michael Ave Substation in response to planned expansion by the Whelen Engineering Company. A new 115kV transmission line, 115kV/13kV transformer, and new 13kV feeder were installed to support the customer's expansion plans. There were no project costs assessed to the customer for the construction of these facilities because the construction of the 115kV/13kV Michael Ave substation also addressed asset conditions with the Charlestown Substation and provided for its ultimate retirement. The Michael Ave project has similarities to the Salem Area projects in that these projects were developed to support specific large customer expansions, address other substation asset conditions in the area, and provide a general benefit to all customers in the area.

If the Tuscan Village project was never planned, the Salem Area Study scope would have had different objectives, leading to potentially different options to serve the growing load in the area and to address asset conditions in the area. This impact cannot be determined without a detailed analysis. However, for the purpose of answering the question as posed, we can summarize that without the planned expansion of the Tuscan Village development we would have been left with the present concerns of the existing distribution system. The major present concerns of the distribution system are as follows:

- Currently, the loss of the existing 115kV supply line to Golden Rock or a failure of the 115kV transformer at Golden Rock will result in approximately 10MVA of load at risk for Liberty's 23kV system. Liberty Utilities depends on National Grid to expedite repairs should an outage-related problem occur anywhere along the National Grid-owned transmission corridor for the G-133 115kV transmission line, or should the Golden Rock substation transformer fail. The contingency for this scenario is to re-supply the load from National Grid's 23kV supply lines 2353 and 2376. These National Grid 23kV lines have limited capacity and cannot supply Liberty's load during contingency. For a transformer outage, the assumed time to install a mobile transformer is 24 hours which could result in 240 MWHs of load at risk and is above the allowable limit per the Liberty and National Grid Planning Criteria.
- The other major capacity issue involves load at risk from the Spicket River No. 13 Substation. The Spicket River No.13 Substation is currently supplied with 23 kV by the 2376 circuit from the National Grid Ward Hill Substation in Methuen, MA. The 2376 circuit ties with the 2353 circuit, which also originates from Ward Hill, via a pole-mounted recloser loop scheme. The tie is located in the Spicket River Massachusetts Right of Way. Downstream of the 2376/2353 tie, the 2376 circuit continues for 4.3 miles in National Grid territory crossing into New Hampshire and traveling 0.9 miles to the Spicket River No. 13 Substation. Approximately 5.2 miles of the 2376 circuit are exposed to outages without any backup, with 4.3 miles in National Grid's maintenance territory and 0.9 miles in Liberty Utilities' territory. An outage on this 23kV supply line occurred during a recent major storm event and resulted in customer outages for customers supplied from the Spicket River Substation. The loss of the 23 kV source for an outage on the 5.2

- mile section requires the Spicket River circuits to be backed up by existing distribution circuit ties and there is currently a lack of capacity in the area.
- The last major present concern of the existing distribution system relates to the condition of Salem Depot and Barron Ave Substations. Barron Ave Substation was initially constructed in the early 1960s. There are a substantial number of asset condition and operability issues of concern at Barron Avenue. Its capacity is limited by modular transformers supplied via a 23kV sub-transmission system. The Salem Depot substation is somewhat older, initially constructed in the mid-1950s, with similar or worse asset condition concerns, and with similar transformation and supply constraints.

To varying degrees, there are asset condition, maintenance, and operating issues with most groupings of equipment at both Barron Avenue and Salem Depot. Simply replacing discrete pieces or groupings of equipment would not be feasible due to the multiple equipment deficiencies at the substations. Maintaining, repairing, or replacing the assets in their existing location and configuration, while possible, would be costly and would not be expected to yield a significant improvement in the overall reliability or operability of the substation. Due to the design and overall condition of the steel, foundations, bus, switches, and control houses, both substations would require significant rebuild in situ. Prior experience retrofitting vintage modular or box structure substations supports the notion that retrofit costs can quickly escalate.

Typically, such projects do not result in improved reliability or additional capacity due to the supply system and/or space constraints. In the case of Barron Ave, the substation is located in a residential neighborhood and Granite State has dealt with abutter concerns for decades. Salem Depot is located in a dense commercial/residential area making maintenance access and equipment replacement a significant challenge.

The most apparent solution is to replace, over time, the functionality of both the Barron Ave and Salem Depot assets with modern distribution facilities from a 115kV transmission system supplied substation as close to the Salem load center as possible. Given the loading limitations of the 23kV supply system and the concerns with asset condition, the Company's strategy is to move the distribution system from a 23kV/13.2kV configuration to a more robust and reliable 115kV/13.2kV substation transformer based system. This strategy would still require the Company to undertake the projects listed in Staff 3-29.

A new 115kV transmission line and 115kV/13.2kV transformer and associated distribution feeders would still be required at Golden Rock to retire Barron Ave Substation and reduce the load at risk at Spicket River. The relocation of the 23kV supply line at Golden Rock would still be required to make room for the new 115kV transmission line.

A new 115kV/13.2kV substation, 115kV supply and associated distribution feeders would still be required in the Salem area to retire the Salem Depot Substation, reduce the load at risk at Spicket River and resolve other planning criteria violation. Given the reduced loading projections and capacity requirements, it could be assumed that these projects would be of smaller scale. Itemization according to project number and financial

and engineering justification cannot be determined without performing a detailed analysis and, as such, are not available.

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

DE 19-064 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 1

Date Request Received: 10/18/19 Date of Response: 11/14/19 Request No. Staff TS 1-33 Respondent: Joel Rivera

Anthony Strabone Heather M. Tebbetts

REQUEST:

Responses to 6-24 and 6-36.

- a. Please provide an updated development project similar to what is shown in 6-24 b.1 and b.2 with the buildings depicted on the drawing that have permanent electric service as of 8-31-19.
- b. Please provide the narrative on the above buildings listed in 8a. above as it relates to the schedule legend on the drawings.
- c. The loading on the park as depicted in 6-36 attachment (excel spreadsheet) does not align with the Company's earlier response of 2.094 MW, please explain the discrepancy.

RESPONSE:

- a. Please reference Attachment TS 1-33.a. Please note the following comments regarding the attachment:
 - The buildings identified in Box 1 are located on the Southern Parcel. They are currently under construction with an expected Spring 2020 Completion Date.
 - The building identified in Box 2 is located on the Southern Parcel. This building is also under construction with an expected Fall 2020 Completion Date.
 - The building identified in Box 3 is located on the Southern Parcel. This building is also under construction with an expected Winter 2020 Completion Date.
 - The building identified in Box 4 is located on the North Parcel and is known as Salem Ford. This building was energized on 3/28/2018.
 - The buildings identified in Box 5 are located on the North Parcel and are known as the Dolben Property. There are five buildings located on this parcel. Each building was energized at different times in accordance with the Developer's Construction Schedule. Energization dates are as follows: 3/1/2018; 8/31/2018;

- 10/09/2018; 11/29/2018; and 1/25/2019. It should be noted that these buildings are not yet fully occupied with residents.
- The building identified in Box 6 is located on the North Parcel and consists of five Commercial Units. Two of these units are currently occupied while the remaining three are empty. The first commercial unit is occupied by Market Basket. Construction power for Market Basket was energized on 12/10/2018, but Market Basket did not open until 7/1/2019. The second unit is occupied by HomeSense. Construction power was energized on 5/20/2019, but HomeSense did not open until 7/1/2019.
- The buildings identified in Box 7 are located on the North Parcel and are known as Black Brook Properties. There are twelve buildings located on this parcel. Nine buildings have been constructed and three buildings are still under construction. There are various energization dates associated with this parcel between 5/22/2018 and 9/12/2019.
- The buildings identified in Box 8 have not yet been constructed. The Developer has not indicated when construction will begin.
- The buildings identified in Box 9 are not built. The Developer has indicated this portion of North Parcel is currently being redesigned.
- b. Please see the response to part a.
- c. The Company's earlier response of 2.094 MW was based on an estimate that relied on the anticipated annual kWh sales using industry load estimates. The Excel spreadsheet provided as Attachment Staff 6-36.xlsx gives actual load readings from two of the Company's pole mounted reclosers that supply the Tuscan development. Due to construction delays as a result of the developer's redesigning portions of the North parcel, the northern portion of the Tuscan development has yet to reach its maximum demand. The Company will continue to monitor this peak load.

Docket No. DE 19-064 Attachment Staff 1-33.a



170 ACRE TUSCAN VILLAGE MASTERPLAN



PARKING (50 acres);

PROGRAM 50 Acres

SF.

PARKING (120 acres):

PROGRAM 120 Acres

SF.