

UES Capital
 Construction Authorization

AUTH: 180167
Date: 8/20/2018
Budgeted Amount: \$154,086.00

Budget Item No: **DBBC07**
 Budget Year: **2018**
 Description: **Three Phase, URD Line Ext., 250 Pleasant St., Concord**
 Project Supervisor: **Raymond, Gary**
 Crew Days: **12**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **8/20/2018 10:33:01 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **8/22/2018 1:28:22 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
8/20/2018	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$67,479.30
8/20/2018	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$34,915.23
8/20/2018	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$32,564.07
8/22/2018	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
8/20/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$67,479.30

DESCRIPTION/SCOPE

Three Phase, primary underground line extension to provide three phase service to the proposed medical office building being constructed on Pleasant St., Concord. The Concord Hospital will pay in advance the reduced estimated cost of this line extension in accordance with the Economic Development Program. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

C-20181637 URD - BILLABLE \$67,479.30
 LESS: Customer Contribution \$34,915.23
 Company Cost \$32,564.07

NOTES

SUMMARY:

Total Customer Contribution: \$34,915.23
 Construction Overheads: \$28,286.77
 Overhead Line Allowance: \$ 4,277.30
 (Deducted from Advance)
 Total Project Cost: \$67,479.30

AUTHORIZATION COMMENTS

Eintake #: 45686

CWO Summary

CWO	Description	Amount
20181637	Three Phase, URD Line Ext., 250 Pleasant St., Concord	\$67,479.30
	Total	\$67,479.30

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Capital Budget 2018 UES Capital	
Project Description	
Year:	2018
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	705
Labor Time for Removal (Man Hours):	97
Transportation Expenses (Heavy Truck Hours):	401
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	728
Material UG Electric Construction (from Stockroom):	6774
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3257
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide service to our customers.	

UES Seacoast Construction Authorization

AUTH: **181000**
 Date: **2/2/2018**
 Budgeted Amount: **\$1,830,168.17**

Budget Item No: BABE18 Budget Year: 2018 Description: T&D Improvements Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/2/2018 12:00:16 PM Initiated By: Page, Laurie Finalized Date: 2/19/2018 10:51:21 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/6/2018	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$759,325.00
2/6/2018	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$45,559.00
2/6/2018	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$713,766.00
2/6/2018	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$3,120.00
2/6/2018	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$142,196.00
2/8/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$390.00
2/8/2018	YES	Main, Dan <i>Assistant Controller</i>	Blanket Authorization Total:	\$617,519.00
2/9/2018	YES	Brock, Laurence <i>Controller & CAO</i>		
2/9/2018	YES	Meissner, Thomas <i>SVP And COO</i>		
2/18/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This authorization covers the costs associated with minor additions and improvements to the sub-transmission and distribution systems where such improvements cannot be reasonably identified and budgeted as a specific project. The majority of this work stems from our own inspection programs, routine improvements to the system as a result of customer complaints, routine Engineering Work Requests and routine reliability improvement efforts that are less than \$20,000.

The total amount of this authorization covers the costs projected for the first six (6) months of 2018 which was derived from reviewing historical expenditures for the first six (6) months as follows:

Year First 6 months % of Total Actual
 2012 \$441,700 39%
 2013 \$508,900 38%
 2014 \$541,400 36%
 2015 \$607,500 39%
 2016 \$711,100 46%
 2017 \$648,800 35%

Total Budgeted Amount \$1,830,168
 Authorization Amount \$ 713,766 (39% of total budget).
 Balance \$1,116,402

JUSTIFICATION

Replacement of equipment due to various causes.

NOTES

For 2018 this blanket will also be utilized to replace equipment (primarily insulators and cutouts) on the distribution system which was a result of our 2017 Fall and both 2018 surveys from our Exacter inspection program. This project identifies and predicts failures of equipment prior to their failure.

AUTHORIZATION COMMENTS

UES Seacoast
 Construction Authorization

AUTH: 181000
Date: 7/12/2018
Budgeted Amount: \$1,830,168.17

Budget Item No: **BABE18**
 Budget Year: **2018**
 Description: **T&D Improvements**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/12/2018 12:13:49 PM**
 Initiated By: **Wade, Scott**
 Finalized Date: **7/23/2018 11:25:20 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/17/2018	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,916,600.00
7/17/2018	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$110,000.00
7/17/2018	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,806,600.00
7/18/2018	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$6,000.00
7/21/2018	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$361,000.00
7/18/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$1,000.00
7/21/2018	YES	Main, Dan <i>Assistant Controller</i>	Blanket Authorization Total:	\$1,556,600.00
7/23/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
7/23/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with minor additions and improvements to the sub-transmission and distribution systems where such improvements cannot be reasonably identified and budgeted as a specific project. The majority of this work stems from our own inspection programs, routine improvements to the system as a result of customer complaints, routine Engineering Work Requests and routine reliability improvement efforts that are less than \$30,000.

The total year projection was derived from reviewing year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year.

Initial Authorization for first six months \$713,766
 YTD (through June) Actual Expenditures \$645,500
 Total Budgeted Amount \$1,830,168
 Revised Authorization Amount \$1,806,600
 Variance \$23,568

JUSTIFICATION

Replacement of equipment due to various causes.

NOTES

For 2018 this blanket will also be utilized to replace equipment (primarily insulators and cutouts) on the distribution system which was a result of our 2017 Fall and both 2018 surveys from our Exacter inspection program. This project identifies and predicts failures of equipment prior to their failure.

AUTHORIZATION COMMENTS

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Capital Budget 2018 UES Seacoast	
Project Description	
Year:	2018
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BABE18 T&D Improvements
Project Name:	T&D Improvements
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven, Voltage, Repair/Replacement, Other	
Project Estimates	
Labor Time to Install (Man Hours):	2600
Labor Time for Removal (Man Hours):	500
Transportation Expenses (Heavy Truck Hours):	1550
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	95000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	500
Contract Services:	400000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	6
EDP? (Yes or No):	No
Retirement:	8000
Salvage:	1000
Description/Scope	
This budget item is to cover the costs associated with minor additions and improvements to the sub-transmission and distribution system where such improvements cannot be reasonably identified and budgeted as a specific project. The work stems from routine circuit hardening for reliability improvements, our own inspection programs, the Exacter program, and other routine improvements to the system as a result of customer complaints or other findings.	
Justification	
Replacement of equipment due to various causes.	

UES Seacoast
 Construction Authorization

AUTH: 181002
Date: 2/2/2018
Budgeted Amount: \$317,855.51

Budget Item No: BCBE18 Budget Year: 2018 Description: Outdoor Lighting Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/2/2018 11:03:56 AM Initiated By: Page, Laurie Finalized Date: 2/8/2018 10:53:04 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/6/2018	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$154,112.00
2/6/2018	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$1,541.00
2/6/2018	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$152,571.00
2/6/2018	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$1,440.00
2/8/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$30,400.00
2/8/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$144.00
			Blanket Authorization Total:	\$123,856.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with the installation and replacement of light fixtures for either new customers (installation) or existing customers (replacement of failed units).

The total amount of this authorization covers the costs projected for the first six (6) months of 2018 which was derived from reviewing historical expenditures as follows:

Year First 6 months of spending % of Full Year Actual

2012 \$129,100 49%
 2013 \$111,200 44%
 2014 \$117,100 51%
 2015 \$ 60,000 44%
 2016 \$117,900 43%
 2017 \$110,700 54%

Total Budgeted Amount \$317,856
 Authorization Amount \$152,571 (48% of total)
 Balance \$165,285

JUSTIFICATION

Customer driven and obligation to maintain/replace existing lights.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast
 Construction Authorization

AUTH: **181002**
 Date: **7/12/2018**
 Budgeted Amount: **\$317,855.51**

Budget Item No: **BCBE18**
 Budget Year: **2018**
 Description: **Outdoor Lighting**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/12/2018 3:20:00 PM**
 Initiated By: **Wade, Scott**
 Finalized Date: **7/23/2018 11:25:23 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/17/2018	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$243,700.00
7/17/2018	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$3,100.00
7/17/2018	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$240,600.00
7/18/2018	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$3,000.00
7/21/2018	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$48,000.00
7/18/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$300.00
7/21/2018	YES	Main, Dan <i>Assistant Controller</i>	Blanket Authorization Total:	\$196,000.00
7/23/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
7/23/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with the installation and replacement of light fixtures for either new customers (installation) or existing customers (replacement of failed units).

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending, and reviewing the outlook for the remainder of the year.

Initial Authorization for first six months \$152,571
 YTD (through June) Actual Expenditures \$75,500
 Total Budgeted Amount \$317,856
 Revised Authorization Amount \$240,600
 Variance \$77,256

JUSTIFICATION

Customer driven and obligation to maintain/replace existing lights.

NOTES

AUTHORIZATION COMMENTS

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Capital Budget 2018 UES Seacoast	
Project Description	
Year:	2018
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BCBE18 Outdoor Lighting
Project Name:	Outdoor Lighting
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	490
Labor Time for Removal (Man Hours):	40
Transportation Expenses (Heavy Truck Hours):	265
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	50000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	4000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	1
EDP? (Yes or No):	No
Retirement:	3000
Salvage:	300
Description/Scope	
This budget item covers the costs associated with the installation and replacement of light fixtures for either new customers (installation) or existing customers (replacement of failed units).	
Justification	
Customer driven and obligation to maintain/replace existing lights.	

UES Capital
Construction Authorization

AUTH: 190100
Date: 2/4/2019
Budgeted Amount: \$972,586.07

Budget Item No: **BABC19**
 Budget Year: **2019**
 Description: **T&D Improvements**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/4/2019 1:01:14 PM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **2/8/2019 12:36:40 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/6/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$534,922.34
2/6/2019	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$48,629.30
2/6/2019	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$486,293.04
2/7/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$4,140.00
2/8/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$97,258.61
2/8/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$418.00
2/8/2019	YES	Main, Dan <i>Assistant Controller</i>	Blanket Authorization Total:	\$438,081.73
2/8/2019	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
2/8/2019	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This blanket authorization is to cover labor and material for system upgrades or improvements that are less than \$30,000 and don't fit any other category.

The typical type of work that would normally be performed would be as follows:

Less than < \$30,000

Telephone Request,

Cable TV Request,

Services,

Repairs / Replacement (failed, damaged, rotten/corroded, or in a state of disrepair) – essential to the operation of the system or a high probability of affecting reliability.

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2019.

Budget amount - \$972,586.07

1st six month auth - \$486,293.04

% of total Budget- 50%

Remaining Budget amount -\$486,293.04

JUSTIFICATION

Necessary additions and replacements to maintain a safe and reliable electric system.

NOTES

AUTHORIZATION COMMENTS

UES Capital
 Construction Authorization

AUTH: 190100
Date: 7/18/2019
Budgeted Amount: \$972,586.07

Budget Item No: **BABC19**
 Budget Year: **2019**
 Description: **T&D Improvements**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/18/2019 3:11:06 PM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **7/25/2019 5:30:26 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/22/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,230,320.40
7/22/2019	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$111,847.40
7/22/2019	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,118,473.00
7/23/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$9,522.00
7/23/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$223,694.80
7/25/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$961.40
7/25/2019	YES	Main, Dan <i>Assistant Controller</i>	Blanket Authorization Total:	\$1,007,587.00
7/25/2019	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
7/25/2019	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This revised blanket authorization is to cover labor and material for system upgrades or improvements that are less than \$30,000 and don't fit any other category.

The typical type of work that would normally be performed would be as follows:

Less than < \$30,000

Telephone Request,

Cable TV Request,

Services,

Replacement (failed, damaged, rotten/corroded, or in a state of disrepair) – essential to the operation of the system or a high probability of affecting reliability.

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$ 486,293.04

1st six Months (Jan to June) Actual Expenditures \$668,254

Total Budgeted Amount \$972,586.07

Revised Authorization Amount \$1,118,473.98

Variance (\$ 145,887.91) or 115% of budget

JUSTIFICATION

Necessary additions and replacements to maintain a safe and reliable electric system.

NOTES

AUTHORIZATION COMMENTS

Printed: 1/31/2022 11:55:07 AM

Capital Budget 2019 UES Capital	
Project Description	
Year:	2019
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	BABC19 T&D Improvements
Project Name:	T&D Improvements
Submitted By:	C. Lloyd
Project Categorizations	
Customer Driven, Government, Regulatory/Legal, IOP/Agreement, Load, Voltage, Protection, Safety, Reliability, Power Quality, Power Factor, Repair/Replacement, Economics, Other	
Project Estimates	
Labor Time to Install (Man Hours):	2867
Labor Time for Removal (Man Hours):	422
Transportation Expenses (Heavy Truck Hours):	1433
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	70285
Material UG Electric Construction (from Stockroom):	12403
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	274523
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	10
EDP? (Yes or No):	No
Retirement:	8280
Salvage:	896
Description/Scope	
This blanket is to cover labor and material for system upgrades or improvements that are less than \$30,000 and don't fit any other category.	
The typical type of work that would normally be performed would be as follows: Less than < \$30,000 Telephone Request, Cable TV Request, Services, Repairs / Replacement (failed, damaged, rotten/corroded, or in a state of disrepair) – essential to the operation of the system or a high probability of affecting reliability.	
Justification	
Necessary additions and replacements to maintain a safe and reliable electric system.	

UES Capital
 Construction Authorization

AUTH: 190102
Date: 2/4/2019
Budgeted Amount: \$83,868.28

Budget Item No: **BCBC19**
 Budget Year: **2019**
 Description: **Outdoor Lighting**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/4/2019 12:25:26 PM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **2/8/2019 11:53:55 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/6/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$43,098.44
2/6/2019	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$1,255.29
2/6/2019	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$41,843.15
2/7/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$689.00
2/8/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$8,368.63
2/8/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$287.00
2/8/2019	YES	Main, Dan <i>Assistant Controller</i>	Blanket Authorization Total:	\$35,016.81

DESCRIPTION/SCOPE

This blanket authorization is to cover labor and material for installing or replacing outdoor lighting. The typical type of work that would normally be performed would be as follows: Installation of poles, wire (secondary) and fixtures.

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2019.

Budget amount - \$83,868.28
 1st six month auth - \$41,843.15
 Remaining Budget amount -\$41,843.15

JUSTIFICATION

Customer driven and obligation to maintain/replace existing lights.

NOTES

AUTHORIZATION COMMENTS

UES Capital			AUTH: 190102	
Construction Authorization			Date: 7/25/2019	
			Budgeted Amount: \$83,868.28	
Budget Item No: BCBC19 Budget Year: 2019 Description: Outdoor Lighting Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>		Type: Revision Sequence: 2 Status: Completed Initiated Date: 7/25/2019 1:26:19 PM Initiated By: Lloyd, Charles Finalized Date: 8/5/2019 8:43:54 AM Finalized By: Lydon, Lisa		
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/25/2019	YES	Lydon, Lisa <i>Sr Plant Accountant</i>	Total Project Cost:	\$107,746.10
7/25/2019	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$3,138.24
7/25/2019	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$104,607.86
7/25/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$1,722.50
7/30/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$20,921.57
7/29/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$717.50
7/29/2019	YES	Main, Dan <i>Manager of Regulatory Services and Corporate Compliance</i>	Blanket Authorization Total:	\$87,542.03
7/31/2019	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		
8/2/2019	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		
DESCRIPTION/SCOPE				
This revised blanket authorization is to cover labor and material for installing or replacing outdoor lighting. The typical type of work that would normally be performed would be as follows: Installation of poles, wire (secondary) and fixtures.				
The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year				
Initial Authorization for first six months \$ 41,843.51 1st six Months (Jan to June) Actuals \$72,771.00 Total Budgeted Amount \$83,686.28 Revised Authorization Amount \$104,607.86 Variance (\$20,921.57) or 125% of Budget				
JUSTIFICATION				
Customer driven and obligation to maintain/replace existing lights.				
NOTES				
AUTHORIZATION COMMENTS				

UES Capital Construction Authorization

AUTH: 190102

Date: 12/4/2019

Budgeted Amount: \$83,868.28

Budget Item No: BCBC19
Budget Year: 2019
Description: Outdoor Lighting
Project Supervisor: Lloyd, Charles
Crew Days: 0
Start Date:
Completion Date:

Type: Revision
Sequence: 3
Status: Completed
Initiated Date: 12/4/2019 10:56:42 AM
Initiated By: Lloyd, Charles
Finalized Date: 12/11/2019 7:41:29 AM
Finalized By: Lydon, Lisa

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
12/6/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$140,131.50
12/6/2019	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$4,081.50
12/6/2019	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$136,050.00
12/6/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$2,240.23
12/7/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$27,210.00
12/9/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$933.16
12/9/2019	YES	Main, Dan <i>Manager of Regulatory Services and Corporate Compliance</i>	Blanket Authorization Total:	\$113,854.66
12/9/2019	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		
12/9/2019	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This 2nd revised blanket authorization is to cover labor and material for installing or replacing outdoor lighting. The typical type of work that would normally be performed would be as follows: Installation of poles, wire (secondary) and fixtures.

The total year projection was derived from reviewing the year to date expenditures, historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$ 41,843.51 1st six Months (Jan to June) Actuals \$72,771.00
 Total Budgeted Amount \$83,686.28
 1st Revised Authorization Amount \$104,607.86
 2nd Revised Authorization Amount \$136,050
 Variance (\$52,363) or 163% of Budget

JUSTIFICATION

Customer driven and obligation to maintain/replace existing lights.

NOTES

AUTHORIZATION COMMENTS

Printed: 1/31/2022 11:55:36 AM

Capital Budget 2019 UES Capital	
Project Description	
Year:	2019
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	BCBC19 Outdoor Lighting
Project Name:	Outdoor Lighting
Submitted By:	C.Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	228
Labor Time for Removal (Man Hours):	40
Transportation Expenses (Heavy Truck Hours):	134
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	10628
Material UG Electric Construction (from Stockroom):	2658
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	10873
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	5
EDP? (Yes or No):	No
Retirement:	1378
Salvage:	574
Description/Scope	
This blanket is to cover labor and material for installing or replacing outdoor lighting. The typical type of work that would normally be performed would be as follows: Installation of poles, wire (secondary) and fixtures.	
Justification	
Customer driven and obligation to maintain/replace existing lights.	

UES Capital Construction Authorization

AUTH: **P90147**

Date: **3/12/2019**

Budgeted Amount: **\$987,862.17**

Budget Item No: ECEC04 Budget Year: 2019 Description: Upgrade TS2 to PLX Infrastructure Project Supervisor: Dube, Christopher Crew Days: 120 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 3/12/2019 10:49:07 AM Initiated By: Goudreault, James Finalized Date: 3/22/2019 1:49:46 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/13/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$987,862.17
3/14/2019	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
3/14/2019	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Net Authorized Cost:	\$987,862.17
3/14/2019	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Retirement:	\$0.00
3/20/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Cost Of Removal:	\$0.00
3/21/2019	YES	Krell, Paul <i>Manager Energy Sys. Engineer.</i>	Salvage:	\$0.00
3/20/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	CWO Total:	\$987,862.17
3/18/2019	YES	Sprague, Kevin <i>VP, Engineering</i>		
3/20/2019	YES	Main, Dan <i>Assistant Controller</i>		
3/21/2019	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
3/22/2019	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This is proposed as a 18 month project to cover both Seacoast and Capital operating centers. This project will require labor and material to upgrade existing TS2 infrastructure to a blended TS2/PLX platform.

- Initial Project Set Up
 \$372.60 PLX Command Center – endpoint licensing for 621 endpoints
 \$16,000 PLX Project Management
 \$1,200 PLX Substation Commissioning Certification Training (1 person)
 \$1,200 PLX Command Center Training

UES PLX UPGRADE - Project Summary

Seacoast
 PLX Equipment \$139,900
 PLX Meters \$56,700
 Contract Labor \$90,000
 Internal Labor (hours) 360
 Sub-total \$286,960
Capital
 PLX Equipment \$212,825
 PLX Meters \$125,550
 Contract Labor \$75,000
 Internal Labor (hours) 380
 Sub-total \$413,755

JUSTIFICATION

This proposal has been developed in response to the following:

- *recent Regulatory inquiries and potential future requirements to provide Smart Grid technology solutions in the UES territories.
- *L+G will no longer support the TS2 technology past 2022
- * The last-time purchase TS2 meters will close on October 31, 2019
- * L+G offering a buy one get one promo until 9/30/2018
- * Leverage existing systems and architecture to provide the least expensive upgrade path.
- * L+G now offers blended TS2 and PLX capability making upgrading even more cost effective and efficient.
- * PLX with interval capabilities provides for more flexibility to respond to future Regulatory requirements (Smart Grid technology).
- * Seacoast TS2 System Switch Group has only 1,000 viable channels remaining.
- * Cuts time in half for outage/restoration notification.
- * Provides migration path for Itron MV90 phase out over time
- * Grid Modernization regulatory efforts underway

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20192523	Bridge St S/S AMI Contractor Inv - TS2 to PLX	\$32,000.00
20192524	Bridge St S/S AMI Internal Labor - TS2 to PLX	\$3,220.00
20192525	Bridge St S/S AMI Equip - TS2 to PLX	\$82,000.00
20192526	Bow Jct St S/S AMI Contractor Inv - TS2 to PLX	\$25,000.00
20192527	Bow Jct St S/S AMI Internal Labor - TS2 to PLX	\$6,440.00
20192528	Bow Jct St S/S AMI Equip - TS2 to PLX	\$93,852.00
20192529	Bow Bog St S/S AMI Contractor Inv - TS2 to PLX	\$2,000.00
20192530	Bow Bog St S/S AMI Internal Labor - TS2 to PLX	\$3,220.00
20192531	Bow Bog St S/S AMI Equip - TS2 to PLX	\$4,500.00
20192532	West Concord S/S AMI Contractor Inv - TS2 to PLX	\$9,981.00
20192533	West Concord S/S AMI Internal Labor - TS2 to PLX	\$16,100.00
20192534	West Concord S/S AMI Equip - TS2 to PLX	\$84,324.00
20192535	Penacook S/S AMI Contractor Inv - TS2 to PLX	\$30,000.00
20192536	Penacook S/S AMI Internal Labor - TS2 to PLX	\$16,100.00
20192537	Penacook S/S AMI Equip - TS2 to PLX	\$65,045.00
20192538	Boscawen S/S AMI Contractor Inv - TS2 to PLX	\$6,000.00
20192539	Boscawen S/S AMI Internal Labor - TS2 to PLX	\$3,220.00
20192540	Boscawen S/S AMI Equip - TS2 to PLX	\$23,874.00
20192541	Terrill Park S/S AMI Contractor Inv - TS2 to PLX	\$2,000.00
20192542	Terrill Park S/S AMI Internal Labor - TS2 to PLX	\$3,220.00
20192543	Terrill Park S/S AMI Equip - TS2 to PLX	\$27,324.00
20192544	Hollis S/S AMI Contractor Inv - TS2 to PLX	\$1,000.00
20192545	Hollis S/S AMI Internal Labor - TS2 to PLX	\$3,220.00
20192546	Hollis S/S AMI Equip - TS2 to PLX	\$23,424.00
20192547	Iron Works S/S AMI Contractor Inv - TS2 to PLX	\$4,000.00
20192548	Iron Works S/S AMI Internal Labor - TS2 to PLX	\$3,220.00
20192549	Iron Works S/S AMI Equip - TS2 to PLX	\$19,500.00
20192550	West Portsmouth St S/S AMI Contractor Inv - TS2 to PLX	\$3,000.00
20192551	West Portsmouth St S/S AMI Internal Labor - TS2 to PLX	\$3,220.00
20192552	West Portsmouth St S/S AMI Equip - TS2 to PLX	\$11,712.00
20192553	3347 Line Tap AMI Contractor Inv - TS2 to PLX	\$61,200.00
20192554	3347 Line Tap AMI Internal Labor - TS2 to PLX	\$16,100.00
20192555	3347 Line Tap AMI Equip - TS2 to PLX	\$46,424.00
20192556	Dow's Hill S/S AMI Contractor Inv - TS2 to PLX	\$3,000.00
20192557	Dow's Hill S/S AMI Internal Labor - TS2 to PLX	\$3,220.00
20192558	Dow's Hill S/S AMI Equip - TS2 to PLX	\$8,712.00
20192559	Winnicutt Rd Tap AMI Contractor Inv - TS2 to PLX	\$3,000.00
20192560	Winnicutt Rd Tap AMI Internal Labor - TS2 to PLX	\$3,220.00
20192561	Winnicutt Rd Tap AMI Equip - TS2 to PLX	\$8,712.00
20192562	Gilman Lane S/S AMI Contractor Inv - TS2 to PLX	\$3,000.17
20192563	Gilman Lane S/S AMI Internal Labor - TS2 to PLX	\$3,220.00
20192564	Gilman Lane S/S AMI Equip - TS2 to PLX	\$34,424.00
20192565	Exeter S/S AMI Contractor Inv - TS2 to PLX	\$3,000.00
20192566	Exeter S/S AMI Internal Labor - TS2 to PLX	\$3,220.00
20192567	Exeter S/S AMI Equip - TS2 to PLX	\$20,424.00
20192568	Guinea S/S AMI Contractor Inv - TS2 to PLX	\$30,000.00
20192569	Guinea S/S AMI Internal Labor - TS2 to PLX	\$16,100.00
20192570	Guinea S/S AMI Equip - TS2 to PLX	\$60,700.00
20192571	High St S/S AMI Contractor Inv - TS2 to PLX	\$2,990.00
20192572	High St S/S AMI Internal Labor - TS2 to PLX	\$3,220.00
20192573	High St S/S AMI Equip - TS2 to PLX	\$3,900.00
20192574	Hampton Beach S/S AMI Contractor Inv - TS2 to PLX	\$3,500.00
20192575	Hampton Beach S/S AMI Internal Labor - TS2 to PLX	\$3,220.00
20192576	Hampton Beach S/S AMI Equip - TS2 to PLX	\$6,900.00
20192577	Seabrook S/S AMI Contractor Inv - TS2 to PLX	\$2,500.00
20192578	Seabrook S/S AMI Internal Labor - TS2 to PLX	\$3,220.00
20192579	Seabrook S/S AMI Equip - TS2 to PLX	\$6,900.00
20192580	Wolf Hill AMI Contractor Inv - TS2 to PLX	\$2,000.00
20192581	Wolf Hill AMI Internal Labor - TS2 to PLX	\$3,220.00
20192582	Wolf Hill AMI Equip - TS2 to PLX	\$6,900.00
	Total	\$987,862.17

Capital Budget 2019 UES Capital

Project Description

Year: 2019
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: ECEC04 Communications
Project Name: Upgrade TS2 to PLX Infrastructure
Submitted By: Christine Tobey

Project Categorizations

Customer Driven, Other

Project Estimates

Labor Time to Install (Man Hours):	740
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	370
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	182250
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	165000
Other Specific Charges (\$):	352725
Overhead on Specific Charges (%):	0
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

This is proposed as a 18 month project to cover both Seacoast and Capital operating centers. This project will require labor and material to upgrade existing TS2 infrastructure to a blended TS2/PLX platform.

Initial Project Set Up
 \$372.60 PLX Command Center – endpoint licensing for 621 endpoints ???
 \$16000 PLX Project Management
 \$1,200.00 PLX Substation Commissioning Certification Training (1 person)
 \$1,200 PLX Command Center Training

UES PLX UPGRADE - Project Summary

Seacoast
 PLX Equipment \$139,900.00
 PLX Meters \$56,700.00
 Contract Labor \$90,000.00
 Internal Labor (hours) 360
 Sub-total \$286,960.00
 Capital
 PLX Equipment \$212,825.00
 PLX Meters \$125,550.00
 Contract Labor \$75,000.00
 Internal Labor (hours) 380
 Sub-total \$413,755.00

Justification

This proposal has been developed in response to the following:

- *recent Regulatory inquiries and potential future requirements to provide Smart Grid technology solutions in the UES territories.
- *L+G will no longer support the TS2 technology past 2022
- * The last-time purchase TS2 meters will close on October 31, 2019
- * L+G offering a buy one get one promo until 9/30/2018
- * Leverage existing systems and architecture to provide the least expensive upgrade path.
- * L+G now offers blended TS2 and PLX capability making upgrading even more cost effective and efficient.

- * PLX with interval capabilities provides for more flexibility to respond to future Regulatory requirements (Smart Grid technology).
- * Seacoast TS2 System Switch Group has only 1,000 viable channels remaining.
- * Cuts time in half for outage/restoration notification.
- * Provides migration path for Itron MV90 phase out over time
- * Grid Modernization regulatory efforts underway

UES Capital
Construction Authorization

AUTH: 190153
Date: 4/10/2019
Budgeted Amount: \$178,775.50

Budget Item No: **DPBC06**
 Budget Year: **2019**
 Description: **Alton Woods Concord Cable injection**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **4/10/2019 11:16:39 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **4/22/2019 9:19:47 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
4/16/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$178,775.50
4/16/2019	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
4/17/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$178,775.50
4/18/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
4/22/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$8,940.00
4/22/2019	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$169,835.50

DESCRIPTION/SCOPE

Perform Cable Rejuvenating Injection to approx. 5000' of direct buried cable in Alton Woods subdivision Concord. This procedure would be performed by the Novinium Company and will extend the life of the cable for 25 to 40 years, depending on the injection process. This subdivision is 34.5 Kv.

JUSTIFICATION

The Alton Woods URD has experienced several cable failures in the past ten years with the highest concentration of failures in 2018. Also, there have been failures of cable during investigation and repair of an already faulted cable. The average number of customers interrupted is 84. The average number of customer minutes of interruption is 16,255 minutes per outage. Cable rejuvenation costs are considerably less expensive and less invasive than cable replacement. Novinium statistics indicate that rejuvenation is reliable, as their reported failure rate is .4%.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20191626	Perform Cable rejuvenating fluid injection on Phase C Cables	\$169,835.50
	Total	\$169,835.50

Capital Budget 2019 UES Capital

Project Description

Year: 2019
Company: UES Capital
Status: [A] Accepted
Priority: 3
Budget Category: DPBC06 Distribution Projects
Project Name: Alton Woods Concord Cable injection
Submitted By: C.Lloyd

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	32
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	16
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	6450
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	105000.00
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	

Description/Scope

Perform Cable Rejuvenating Injection to approx. 5000' of direct buried cable in Alton Woods subdivision Concord. This procedure would be performed by the Novinium Company and will extend the life of the cable for 25 to 40 years, depending on the injection process. This subdivision is 34.5 Kv.

Justification

The Alton Woods URD has experienced several cable failures in the past ten years with the highest concentration of failures in 2018. Also, there have been failures of cable during investigation and repair of an already faulted cable. The average number of customers interrupted is 84. The average number of customer minutes of interruption is 16,255 minutes per outage. Cable rejuvenation costs are considerably less expensive and less invasive than cable replacement. Novinium statistics indicate that rejuvenation is reliable, as their reported failure rate is .4%. Replacement can be as high as 1.6% failure rate.

UES Capital
Construction Authorization

AUTH: 190169
Date: 7/16/2019
Budgeted Amount: \$187,723.12

Budget Item No: **DPBC12**
 Budget Year: **2019**
 Description: **Replace Switchgear at Bridge St**
 Project Supervisor: **Balch, Stanley**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **7/16/2019 2:19:25 PM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **7/25/2019 5:30:25 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/23/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$472,923.00
7/23/2019	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
7/24/2019	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$472,923.00
7/23/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
7/23/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$54,585.00
7/25/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
7/25/2019	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$418,338.00
7/25/2019	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
7/25/2019	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

The two switchgear devices located just outside of the Bridge St Substation are rusted over and in need of replacement. New S&C Vista SD Pad mounted Switchgear for 1H2 and 1H3 are to be installed in the same vicinity of the existing switchgear. The existing concrete pad and switchgear will be removed. New cable from the substation to MH1 to the switchgear to MH1-A (~900ft) will be installed as well. A new cable will be installed between the two pads to create a new distribution tie.

The increased total cost is due to a number of factors that were not recognized or captured in the original budget estimate. These issues were recognized by the Engineering firm contracted to provide a survey, ground penetrating radar, structural design, site plan, and coordination with the city for any meetings and permitting that may be required. The first issue at hand is that there is limited easement space. In order to then maintain proper working clearance from a nearby building and remain within the easement, the switchgear will need to be front access only, which is costlier. Additionally, it has been determined that a stainless steel enclosure is the best method to ensure the rusting does not continue.

JUSTIFICATION

The switchgear for 1H2 and 1H3 is rusted beyond repair. The top cover has holes allowing water to get inside the main compartment. It is inoperable while energized. There are holes along the bottom, the doors, and the sides. A new circuit tie will provide additional reliability. Other alternatives were explored, but due to the limited space within the easement and substation, no other viable options were recognized. This switchgear is required and necessary to provide the A and P circuit positions feeding the Down Town Underground system.

NOTES

Due to the long lead times for the switch gear, it is anticipated this project will carry over into the year 2020. We expect to spend approx. \$200,000.00 in 2019 purchasing the equipment and design work and the remaining balance in 2020 for the installation of the new switch gear.

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20191646	Replace Pad mounted switchgear Cir 1H2 and 1H3	\$418,338.00
	Total	\$418,338.00

Capital Budget 2019 UES Capital

Project Description

Year: 2019
Company: UES Capital
Status: [A] Accepted
Priority: 2
Budget Category: DPBC12 Distribution Projects
Project Name: Replace Switchgear at Bridge St
Submitted By: T. Glueck/S. Balch

Project Categorizations

Safety, Reliability, Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	403
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	201
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	36000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	35220
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

The switchgear for 1H2 and 1H3 is rusted over and in need of replacement. A new PME-10 for each circuit will be placed on a new concrete pad. A tie point will be created at this location. The PME series are dead front switchgear.

PME-10 is rated to 600A continuous, 15.5kV, 95BIL

S&C Electric Company Manual PME Pad-Mounted Gear, Outdoor Distribution, Three-Phase Units (including mountings), Model PME-10, 14.4kV Nominal, 17.5kV Maximum, 95kV BIL, Mini-Rupter rating: 600 Amperes RMS Continuous - 600 Amperes RMS Load Dropping, Short-Circuit rating: 25,000 Amperes RMS Symmetrical Mini-Rupter - 25,000 Amperes RMS Symmetrical Main Bus - 25,000 Amperes RMS Symmetrical Pad-Mounted Gear, 620 MVA 3-Phase Symmetrical at Rated Voltage

Justification

The switchgear for 1H2 and 1H3 is rusted out. The top cover has holes allowing water to get inside the main compartment. It is in-operable while energized. There are holes along the bottom, the doors, and the sides.

UES Capital
Construction Authorization

AUTH: 190171
Date: 7/24/2019
Budgeted Amount: \$52,756.27

Budget Item No: **DPBC03**
 Budget Year: **2019**
 Description: **7W3 - Install Regulators**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **7/24/2019 4:00:25 PM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **7/31/2019 8:25:39 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/24/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$52,756.27
7/25/2019	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
7/25/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$52,756.27
7/30/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
7/25/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$10,551.27
7/25/2019	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$42,205.00

DESCRIPTION/SCOPE

This authorization is to replace two poles on Robinson Rd Bow and install (3) 219A, 13.8Y/7.97kV Regulators with By Pass Switches.

JUSTIFICATION

2018 peak load on 18W2 is 98% of the transformer rating. Shifting about 860 KVA from 18W2 lessens the load on 18W2 and installing these regulator ensures compliance of voltage service.

NOTES

Regulators will be ordered from a blanket.

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20191648	Replace Poles 93/1X and 93/2 and install 3 regulators	\$42,205.00
	Total	\$42,205.00

Capital Budget 2019 UES Capital	
Project Description	
Year:	2019
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DPBC03 Distribution Projects
Project Name:	7W3 - Install Regulators
Submitted By:	T. Glueck
Project Categorizations	
Load, Voltage	
Project Estimates	
Labor Time to Install (Man Hours):	128
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	64
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	6710
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	9000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1856
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
This project consists of installing (3) 219A, 13.8Y/7.97kV Regulators in the area of P.1 Robinson Rd, Bow.	
Regulators will be ordered from a blanket.	
Justification	
2018 peak load on 18W2 is 98% of the transformer rating. Shifting about 860 KVA from 18W2 lessens the load on 18W2 and installing these regulator ensures compliance of voltage service.	

USC Service		Authorization No: S-000214
Authorization		Date: 7/31/2019
		Budgeted Amount: \$68,900.00
Classification: Budgeted Budget Item No: GSC07 Budget Year: 2019 Project Name: FCS Upgrade Project Supervisor: Tobey, Christine		Type: Original Sequence: 1 Status: Completed Initiated Date: 7/31/2019 11:31:41 AM Initiated By: Tobey, Christine Finalized Date: 9/12/2019 2:32:15 PM Finalized By: Hilton, Mary Jane
APPROVALS		ESTIMATED COST SUMMARY
Action Date	Approved	Approver/Title
		Description
		Amount
8/22/2019	YES	Hilton, Mary Jane <i>Sr. Plant Accountant</i>
		Internal Labor:
		\$14,750.00
8/23/2019	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>
		Purchases:
		\$45,000.00
8/23/2019	YES	Gamble, Michelle <i>Manager, IT Systems Support</i>
		Contract Services:
		\$16,865.00
8/22/2019	YES	Sprague, Kevin <i>VP, Engineering</i>
		Other Specific Charges:
		\$0.00
9/10/2019	YES	Eisfeller, Justin <i>VP, Information Technology</i>
		Retirement:
		\$0.00
8/22/2019	YES	Main, Dan <i>Assistant Controller</i>
		Salvage:
		\$0.00
9/10/2019	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>
		Total Project Amount:
		\$76,615.00
9/11/2019	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>
DESCRIPTION/SCOPE		
<p>Upgrade MVRS from version 8.6. to Field Collection System (FCS).</p> <p>This is a critical system and must be updated to the latest version to ensure proper operation and support. Mobile collection of data logging extends to MCLite allowing data logging</p> <p>ITRON Contract Services (remote) = \$16,865 IT Hardware estimate = \$40,000 IT Software estimate = \$5,000 Testing IT 50 hrs @95\$ = \$4,750 Testing Field = \$5,000 Testing AMI = \$5,000</p> <p>Training (included) 8 hours - WebEx</p>		
JUSTIFICATION		
<p>Itron announced the next generation mobile tool kit that will be compatible with FCS and FDM software. The new mobile tool kit will coexist with your FC300 handhelds, allowing you to deploy the new technology at your own pace and get the full life from your FC300 handhelds.</p> <p>Itron will continue to offer contract maintenance and support for the FC300 handheld, including software updates, repairs, batteries and spare parts, through December 2021, while parts remain available</p> <p>FCS replaces MV-RS.</p> <p>8/2019 Increased budget amount \$7715 due to increased costs for vendor support services and IT support services & testing</p>		
NOTES		
AUTHORIZATION COMMENTS		
UES 32% C-190179-20192587 24,516.80 FGE 25% F-019122-20193341 19,153.75 NU-NH 20% N-019075-00190024 15,323.00 NU-ME 23% M-019075-00190025 17,621.45		

Capital Budget 2019 Unitil Service Corp

Item Description

Classification: Budgeted
Year: 2019
Company: Unitil Service Corp
Status: [A] Accepted
Priority: 1
Budget Number: GSC07
Budget Category: Software/System
Item Name: FCS Upgrade
Submitted By: Tobey, Christine
Sr. Systems Analyst
Entered By: Tobey, Christine on 9/28/2017 10:56:11 AM
Sr. Systems Analyst
Status Changed By: Tobey, Christine on 8/19/2019 11:39:08 AM
Sr. Systems Analyst

Estimates

Internal Labor (\$):	14750
Purchases (\$):	45000
Contract Services (\$):	16865
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

Upgrade MVRS from version 8.6. to Field Collection System (FCS).

This is a critical system and must be updated to the latest version to ensure proper operation and support. Mobile collection of data logging extends to MCLite allowing data logging

ITRON Contract Services (remote) = \$16,865
 IT Hardware estimate = \$40,000
 IT Software estimate = \$5,000
 Testing IT 50 hrs @95\$ = \$4,750
 Testing Field = \$5,000
 Testing AMI = \$5,000

Training (included) 8 hours - WebEx
 9/4 Reviewed for estimates JH and SD, KCB

Justification

Itron announced the next generation mobile tool kit that will be compatible with FCS and FDM software. The new mobile tool kit will coexist with your FC300 handhelds, allowing you to deploy the new technology at your own pace and get the full life from your FC300 handhelds.

Itron will continue to offer contract maintenance and support for the FC300 handheld, including software updates, repairs, batteries and spare parts, through December 2021, while parts remain available

FCS replaces MV-RS.

UPDATE: 8/19

requires IT estimate for hardware software server deployment and testing - Reviewed 9/4 SD and JH

**UES Capital
 Construction Authorization**

AUTH: **190198**
 Date: **11/22/2019**
 Budgeted Amount: **\$0.00**

Budget Item No: DPNC13 Budget Year: 2019 Description: 374 Line Rebuild with 15kV Underbuild Project Supervisor: Sherwood, Nathan Crew Days: 3 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 11/22/2019 3:08:30 PM Initiated By: Sherwood, Nathan Finalized Date: 12/13/2019 2:36:32 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
12/6/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,066,000.00
12/6/2019	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
12/9/2019	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,066,000.00
12/6/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
12/9/2019	YES	Krell, Paul <i>Manager Energy Sys. Engineer.</i>	Cost Of Removal:	\$48,000.00
12/12/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Salvage:	\$0.00
12/9/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	CWO Total:	\$1,018,000.00
12/9/2019	YES	Main, Dan <i>Assistant Controller</i>		
12/12/2019	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
12/12/2019	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

Construct (2) new 13.8kV circuits underbuilt along the 374 line from Gulf Street substation to Theatre St., and rebuild the 374 pole line to accommodate the new circuits.

This project is a portion of the work being completed for the downtown Concord upgrades and conversions included in the original (2019) DPBC04 - Conversion in Downtown Concord capital budget item.

JUSTIFICATION

Development in the city of Concord expected to be in service by summer of 2020 requires infrastructure upgrades.

NOTES

Straight 30% overhead on the following:
 CWO #20191675 (Outside Services, Fees, etc.)

Total project cost includes transfer of costs from the 2019 Preliminary Survey (374 Line Survey).

AUTHORIZATION COMMENTS

Estimated Spending By Year:
 2019: \$ 60,000
 2020: \$1,006,000
 Total: \$1,066,000

CWO Summary

CWO	Description	Amount
20191674	374 Line Rebuild with 15kV Underbuild	\$927,000.00
20191675	374 Line Rebuild with 15kV Underbuild - Outside Services, Fees, Etc.	\$91,000.00
	Total	\$1,018,000.00

UES Seacoast Construction Authorization

AUTH: **191000**
 Date: **2/4/2019**
 Budgeted Amount: **\$1,437,563.82**

Budget Item No: **BABE19**
 Budget Year: **2019**
 Description: **T&D Improvements**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/4/2019 11:23:03 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/11/2019 7:54:20 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/6/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$590,158.00
2/6/2019	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$29,508.00
2/6/2019	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$560,650.00
2/7/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$3,315.00
2/8/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$112,130.00
2/8/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$429.00
2/8/2019	YES	Main, Dan <i>Assistant Controller</i>	Blanket Authorization Total:	\$478,457.00
2/8/2019	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
2/8/2019	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This authorization covers the costs associated with minor additions and improvements to the sub-transmission, distribution and substation systems where such improvements cannot be reasonably identified and budgeted as a specific project. The majority of this work is driven from our inspection programs and routine improvements to the system as a result of customer complaints or other findings.

The total amount of this authorization covers the costs projected for the first six (6) months of 2019 which was derived from reviewing historical expenditures for the first six (6) months as follows:

Year First 6 months % of Total Expenditure

2013 \$508,900 38%
 2014 \$541,400 36%
 2015 \$607,500 39%
 2016 \$711,100 46%
 2017 \$648,800 35%
 2018 \$645,500 40%

Total Budgeted Amount \$1,437,564
 Authorization Amount \$ 560,650 (39% of total budget).
 Balance \$876,914

JUSTIFICATION

Replacement of various types of equipment as well as poles and anchors as needed.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast Construction Authorization

AUTH: ~~191000~~ **191000**

Date: **7/5/2019**

Budgeted Amount: **\$1,437,563.82**

Budget Item No: **BABE19**
 Budget Year: **2019**
 Description: **T&D Improvements**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/5/2019 8:38:00 AM**
 Initiated By: **Wade, Scott**
 Finalized Date: **7/12/2019 12:34:15 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/5/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,517,500.00
7/8/2019	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$76,000.00
7/10/2019	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,441,500.00
7/8/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$8,500.00
7/10/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$290,000.00
7/9/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,000.00
7/9/2019	YES	Main, Dan <i>Manager of Regulatory Services and Corporate Compliance</i>	Blanket Authorization Total:	\$1,228,500.00
7/12/2019	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		
7/11/2019	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with minor additions and improvements to the sub-transmission and distribution systems where such improvements cannot be reasonably identified and budgeted as a specific project. The majority of this work stems from our own inspection programs, routine improvements to the system as a result of customer complaints and other findings.

The total year projection was derived from reviewing year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year.

Initial Authorization for first six months \$560,650
 YTD (through June) Actual Expenditures \$636,300
 Total Budgeted Amount \$1,437,564
 Revised Authorization Amount \$1,441,500
 Variance \$3,936

JUSTIFICATION

Replacement of various types of equipment as well as poles and anchors as needed.

NOTES

AUTHORIZATION COMMENTS

Printed: 1/31/2022 11:58:26 AM

Capital Budget 2019 UES Seacoast

Project Description

Year: 2019
Company: UES Seacoast
Status: [A] Accepted
Priority: 1
Budget Category: BABE19 T&D Improvements
Project Name: T&D Improvements
Submitted By: Scott D. Wade

Project Categorizations

Customer Driven, Voltage, Repair/Replacement, Other

Project Estimates

Labor Time to Install (Man Hours):	2700
Labor Time for Removal (Man Hours):	500
Transportation Expenses (Heavy Truck Hours):	1600
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	125000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	500
Contract Services:	420000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	5
EDP? (Yes or No):	No
Retirement:	8500
Salvage:	1100

Description/Scope

This budget item is to cover the costs associated with minor additions and improvements to the T & D system where such improvements cannot be reasonably identified and budgeted as a specific project. The majority of this work stems from telephone company requests to replace poles, our own inspection and Exacter programs, and routine improvements to the system as a result of customer complaints or other findings more specifically EWR's.

Justification

Replacement of defective equipment on a scheduled basis, intercompany replacements and changeovers.

**UES Seacoast
 Construction Authorization**

AUTH: **191001**
 Date: **2/5/2019**
 Budgeted Amount: **\$386,752.76**

Budget Item No: **BBBE19**
 Budget Year: **2019**
 Description: **New Customer Additions**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/5/2019 9:42:14 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/11/2019 7:54:36 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/6/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$189,079.00
2/6/2019	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$18,908.00
2/7/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$170,171.00
2/8/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$2,420.00
2/8/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$34,034.00
2/8/2019	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$228.00
			Blanket Authorization Total:	\$155,273.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with construction necessary to service new customers which would not be covered under other line extension categories (under \$30k and no customer contributions). Examples are services and one pole line extensions and associated work with the same.

The total amount of this authorization covers the costs projected for the first six (6) months of 2019 which was derived from reviewing historical expenditures as follows:

Year. First Six Months % of actual total

2013 \$158,600 36%
 2014 \$207,800 47%
 2015 \$183,200 39%
 2016 \$263,500 55%
 2017 \$197,600 39%
 2018 \$238,300 45%

Total Budgeted Amount \$386,753
 Authorization Amount \$170,171 (44% of total)
 Balance \$216,582

JUSTIFICATION

Customer Driven

NOTES

AUTHORIZATION COMMENTS

UES Seacoast Construction Authorization

AUTH: **191001**

Date: **7/15/2019**

Budgeted Amount: **\$386,752.76**

Budget Item No: **BBBE19**
 Budget Year: **2019**
 Description: **New Customer Additions**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/15/2019 2:39:57 PM**
 Initiated By: **Wade, Scott**
 Finalized Date: **7/25/2019 5:29:57 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/15/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$429,200.00
7/22/2019	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$43,000.00
7/22/2019	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$386,200.00
7/18/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$5,000.00
7/23/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$77,000.00
7/22/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$500.00
7/22/2019	YES	Main, Dan <i>Manager of Regulatory Services and Corporate Compliance</i>	Blanket Authorization Total:	\$352,700.00
7/23/2019	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		
7/25/2019	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with construction necessary to service new customers which would not be covered under other line extension categories (under \$30k and no customer contributions). Examples are services and one pole line extensions and associated work with the same.

The total year projection was derived from reviewing year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year.

Initial Authorization for first six months \$170,171
 YTD (through June) Actual Expenditures \$185,813
 Total Budgeted Amount \$386,753
 Revised Authorization Amount \$386,200
 Variance (\$553)

JUSTIFICATION

Customer Driven

NOTES

AUTHORIZATION COMMENTS

UES Seacoast Construction Authorization

AUTH: 191001

Date: 6/15/2020

Budgeted Amount: \$386,752.76

Budget Item No: BBBE19 Budget Year: 2019 Description: New Customer Additions Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Revision Sequence: 3 Status: Completed Initiated Date: 6/15/2020 10:43:51 AM Initiated By: Wade, Scott Finalized Date: 7/22/2020 11:36:42 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/16/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$495,728.00
6/16/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$50,000.00
6/16/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$445,728.00
7/20/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$5,000.00
7/1/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$90,000.00
7/2/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,000.00
7/20/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$406,728.00
7/20/2020	YES	Hurstak, Daniel <i>Controller</i>		
7/21/2020	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with construction necessary to service new customers which would not be covered under other line extension categories (under \$30k and no customer contributions). Examples are services and one pole line extensions and associated work with the same.

Initial Authorization for first six months 2019: \$170,171

2nd Revision (in July of 2019) : \$386,200

Actual Total Expenditures through May 2020: \$445,728

Variance between Rev 2 & Final Actual: \$59,528

Revision #3 Authorization Amount \$445,728

Budgeted Amount for 2019 = \$ 386,752

The higher expenditure was necessary in order to service new customers whereby the work to do so was greater than what was original anticipated.

JUSTIFICATION

Customer Driven

NOTES

AUTHORIZATION COMMENTS

Printed: 1/31/2022 11:58:39 AM

Capital Budget 2019 UES Seacoast	
Project Description	
Year:	2019
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BBBE19 New Customer Additions
Project Name:	New Customer Additions
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven	
Project Estimates	
Labor Time to Install (Man Hours):	1325
Labor Time for Removal (Man Hours):	200
Transportation Expenses (Heavy Truck Hours):	762
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	25000
Material UG Electric Construction (from Stockroom):	40000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	45000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	10
EDP? (Yes or No):	No
Retirement:	5500
Salvage:	520
Description/Scope	
This budget item covers the costs associated with construction necessary to service new customers which would not be covered under other line extension categories (under \$30k and no customer contributions). Examples are services and one pole line extensions and associated work with the same.	
Justification	
Customer Driven	

UES Seacoast
 Construction Authorization

AUTH: 191002
Date: 2/5/2019
Budgeted Amount: \$196,763.03

Budget Item No: **BCBE19**
 Budget Year: **2019**
 Description: **Outdoor Lighting**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/5/2019 11:54:31 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/11/2019 7:54:26 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/6/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$93,413.00
2/6/2019	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$934.00
2/7/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$92,479.00
2/8/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$1,410.00
2/8/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$18,496.00
2/8/2019	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$141.00
			Blanket Authorization Total:	\$75,058.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with the installation and replacement of light fixtures for either new customers (installation) or existing customers (replacement of failed units).

The total amount of this authorization covers the costs projected for the first six (6) months of 2019 which was derived from reviewing historical expenditures as follows:

Year First 6 months % of Full Year Actual

2013 \$111,200 44%
 2014 \$117,100 51%
 2015 \$ 60,000 44%
 2016 \$117,900 43%
 2017 \$110,700 54%
 2018 \$75,500 48%

Total Budgeted Amount \$196,763
 Authorization Amount \$92,479 (47% of total)
 Balance \$104,284

JUSTIFICATION

Customer driven and obligation to replace existing lights.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast Construction Authorization

AUTH: **191002**

Date: **7/15/2019**

Budgeted Amount: **\$196,763.03**

Budget Item No: **BCBE19**
 Budget Year: **2019**
 Description: **Outdoor Lighting**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/15/2019 3:00:24 PM**
 Initiated By: **Wade, Scott**
 Finalized Date: **7/25/2019 5:29:59 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/15/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$198,400.00
7/22/2019	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$2,000.00
7/22/2019	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$196,400.00
7/18/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$3,000.00
7/23/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$40,000.00
7/22/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$300.00
7/22/2019	YES	Main, Dan <i>Manager of Regulatory Services and Corporate Compliance</i>	Blanket Authorization Total:	\$158,700.00
7/23/2019	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		
7/25/2019	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with the installation and replacement of light fixtures for either new customers (installation) or existing customers (replacement of failed units).

The total year projection was derived from reviewing year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year.

Initial Authorization for first six months \$92,479
 YTD (through June) Actual Expenditures \$67,412
 Total Budgeted Amount \$196,763
 Revised Authorization Amount \$196,400
 Variance (\$363)

JUSTIFICATION

Customer driven and obligation to replace existing lights.

NOTES

AUTHORIZATION COMMENTS

Printed: 1/31/2022 11:58:55 AM

Capital Budget 2019 UES Seacoast	
Project Description	
Year:	2019
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BCBE19 Outdoor Lighting
Project Name:	Outdoor Lighting
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	400
Labor Time for Removal (Man Hours):	100
Transportation Expenses (Heavy Truck Hours):	250
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	45000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	4000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	1
EDP? (Yes or No):	No
Retirement:	3000
Salvage:	300
Description/Scope	
This budget item covers the costs associated with the installation and replacement of light fixtures for either new customers (installation) or existing customers (replacement of failed units).	
Justification	
Customer driven and obligation to maintain/replace existing lights.	

UES Seacoast
 Construction Authorization

AUTH: **191003**
 Date: **2/5/2019**
 Budgeted Amount: **\$389,985.82**

Budget Item No: **BDBE19**
 Budget Year: **2019**
 Description: **Emergency & Storm Restoration**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/5/2019 12:46:54 PM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/11/2019 7:54:28 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/6/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$194,993.00
2/6/2019	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/7/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$194,993.00
2/8/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$5,250.00
2/8/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$38,999.00
2/8/2019	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$1,000.00
			Blanket Authorization Total:	\$156,994.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with the necessary replacements to our facilities under emergency (unscheduled) and "minor" storm conditions.

The total amount of this authorization covers the costs projected for the first six (6) months of 2019 which was derived from reviewing historical expenditures as follows:

Year First 6 mo. % of Full Year Actual

2016 \$182,400 43%
 2017 \$1,335,300* 198% *
 2018 \$1,918,000* 221% *

* These amounts reflect major storms that may not be transferred to a recovery account until later in that year or early the following year hence the notable variance compared to budgeted amounts.

Total Budgeted Amount \$389,986
 Authorization Amount \$194,993 (50% of total)
 Balance \$194,993

JUSTIFICATION

Maintain satisfactory level of service to customers by providing reliable electric service.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast
 Construction Authorization

AUTH: 191003
Date: 7/15/2019
Budgeted Amount: \$389,985.82

Budget Item No: **BDBE19**
 Budget Year: **2019**
 Description: **Emergency & Storm Restoration**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/15/2019 3:41:44 PM**
 Initiated By: **Wade, Scott**
 Finalized Date: **7/25/2019 5:30:06 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/15/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$438,800.00
7/22/2019	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
7/22/2019	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$438,800.00
7/18/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$12,000.00
7/22/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$90,000.00
7/22/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$2,000.00
7/22/2019	YES	Main, Dan <i>Assistant Controller</i>	Blanket Authorization Total:	\$350,800.00
7/22/2019	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
7/25/2019	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with the necessary replacements to our facilities under emergency (unscheduled) and "minor" storm conditions.

The total year projection was derived from reviewing year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year.

Initial Authorization for first six months \$194,993
 YTD (through June) Actual Expenditures \$284,832
 Total Budgeted Amount \$389,985
 Revised Authorization Amount \$438,800
 Variance \$48,815 This unfavorable variance is based on how this line item is currently trending.

JUSTIFICATION

Maintain satisfactory level of service to customers by providing reliable electric service.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast Construction Authorization

AUTH: **191603**

Date: **6/15/2020**

Budgeted Amount: **\$389,985.82**

Budget Item No: **BDBE19**
 Budget Year: **2019**
 Description: **Emergency & Storm Restoration**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **3**
 Status: **Completed**
 Initiated Date: **6/15/2020 11:43:42 AM**
 Initiated By: **Wade, Scott**
 Finalized Date: **11/18/2020 12:51:53 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
11/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$520,000.00
11/4/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
11/4/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$520,000.00
11/16/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$17,000.00
11/6/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$105,000.00
11/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$3,000.00
11/16/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$418,000.00
11/16/2020	YES	Hurstak, Daniel <i>Controller</i>		
11/18/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the additional costs associated with the necessary replacements to our facilities under emergency (unscheduled) and "minor" storm conditions.

Initial Authorization \$194,993

Revision #2 Authorization Amount \$438,800

Actual Expenditure through October 2020: \$519,682

Variance between Rev 2 & Final Actual: \$80,882

Revision #3 Authorization Amount \$520,000

Budgeted Amount for 2019: \$389,985

These additional costs are due to a higher than normal small storm activity and day to day emergency work in 2019 when compared to prior years.

JUSTIFICATION

Maintain satisfactory level of service to customers by providing reliable electric service.

NOTES

The final accounting of the Dec 2/3, 2019 had to be finalized in order for the costs of this Emergency & Storm blanket could be confirmed. This accounting took place in September, 2020.

AUTHORIZATION COMMENTS

Printed: 1/31/2022 11:59:39 AM

Capital Budget 2019 UES Seacoast	
Project Description	
Year:	2019
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BDBE19 Emergency & Storm Restoration
Project Name:	Emergency & Storm Restoration
Submitted By:	Scott D. Wade
Project Categorizations	
Reliability, Repair/Replacement, Other	
Project Estimates	
Labor Time to Install (Man Hours):	1300
Labor Time for Removal (Man Hours):	200
Transportation Expenses (Heavy Truck Hours):	750
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	24000
Material UG Electric Construction (from Stockroom):	1000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	75000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	10500
Salvage:	2000
Description/Scope	
This budget item covers the costs associated with the necessary repairs to our facilities under emergency (unscheduled) and storm conditions.	
Justification	
Maintain satisfactory level of service to customer by providing reliable electric service.	

UES Seacoast
 Construction Authorization

AUTH: 191004
Date: 2/5/2019
Budgeted Amount: \$288,641.94

Budget Item No: **BEBE19**
 Budget Year: **2019**
 Description: **Billable Work**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**

Start Date:

Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/5/2019 1:04:24 PM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/11/2019 7:54:30 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/6/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$204,673.00
2/6/2019	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$92,103.00
2/7/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$112,570.00
2/8/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$3,182.00
2/8/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$22,514.00
2/8/2019	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$585.00
			Blanket Authorization Total:	\$182,744.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with all work for which the vast majority of repayment is anticipated such as broken poles, 3rd party attachment requests, 3rd party damages to our facilities, and customer owned equipment that we may replace.

The total amount of this authorization covers the costs projected for the first six (6) months of 2019 which was derived from reviewing historical expenditures as follows:

Year First 6 mo. % of Full Year Actual

2014 \$157,900 38%
 2015 \$192,000 42%
 2016 \$121,300 28%
 2017 \$90,700 34%
 2018 \$185,600 52%

Total Budgeted Amount \$288,642
 Authorization Amount \$112,570 (39% of total)
 Balance \$176,072

JUSTIFICATION

Obligation to respond broken poles, 3rd party attachment requests and customer requests.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast
 Construction Authorization

AUTH: **191004**
 Date: **7/15/2019**
 Budgeted Amount: **\$288,641.94**

Budget Item No: **BEBE19**
 Budget Year: **2019**
 Description: **Billable Work**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**

Start Date:

Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/15/2019 3:11:52 PM**
 Initiated By: **Wade, Scott**
 Finalized Date: **7/25/2019 5:30:01 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/15/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$565,300.00
7/22/2019	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$240,000.00
7/22/2019	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$325,300.00
7/18/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$8,500.00
7/23/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$65,000.00
7/22/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,800.00
7/22/2019	YES	Main, Dan <i>Assistant Controller</i>	Blanket Authorization Total:	\$502,100.00
7/23/2019	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
7/25/2019	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with all work for which the vast majority of repayment is anticipated such as broken poles, 3rd party attachment requests, 3rd party damages to our facilities, and customer owned equipment that we may replace.

The total year projection was derived from reviewing year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year.

Initial Authorization for first six months \$112,570
 YTD (through June) Actual Expenditures \$169,727
 Total Budgeted Amount \$288,642
 Revised Authorization Amount \$325,300
 Variance \$36,658. This unfavorable variance amount is based on how this line item is currently trending.

JUSTIFICATION

Obligation to respond broken poles, 3rd party attachment requests and customer requests.

NOTES

AUTHORIZATION COMMENTS

Printed: 1/31/2022 12:00:00 PM

Capital Budget 2019 UES Seacoast	
Project Description	
Year:	2019
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BEBE19 Billable work
Project Name:	Billable Work
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven, Repair/Replacement, Other	
Project Estimates	
Labor Time to Install (Man Hours):	2100
Labor Time for Removal (Man Hours):	400
Transportation Expenses (Heavy Truck Hours):	1250
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	32000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	60000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	45
EDP? (Yes or No):	No
Retirement:	8160
Salvage:	1500
Description/Scope	
This budget item covers the costs associated with all work for which repayment is anticipated such as broken poles, 3rd party damages to our facilities, 3rd party attachment work, and customer owned equipment that we replace. etc.	
Justification	
Obligation to respond to customer outages, broken poles, etc. Also, to perform work upon customer requests.	

UES Seacoast
 Construction Authorization

AUTH: 191022
Date: 1/31/2019
Budgeted Amount: \$184,656.52

Budget Item No: **DPBE02**
 Budget Year: **2019**
 Description: **Porcelain Cutout Replacements**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **1/31/2019 10:31:47 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/6/2019 1:47:11 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/5/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$184,656.52
2/5/2019	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/5/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$184,656.52
2/6/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$700.00
2/6/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$10,760.15
2/6/2019	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$173,896.37

DESCRIPTION/SCOPE

This authorization is for the first year of a multi-year program to replace potted-porcelain distribution cutouts with silicone rubber cutouts.
 Locations of the cutout replacements will be determined based on the reliability impact of their failures.

JUSTIFICATION

Over the past 7 years, Unitil has experienced an increase in porcelain cutout failures. From 2012 through 2018 the Unitil has encountered 302 outages caused by failed cutouts.

- 32 in 2012
- 28 in 2013
- 28 in 2014
- 49 in 2015
- 61 in 2016
- 46 in 2017
- 58 in 2018

Furthermore, additional cutouts not included in the numbers above have failed, but have not been the direct cause of outages. These units are typically identified when responding to outage calls not caused by the cutout failure or upon inspection when other work is taking place in the area.

NOTES

AUTHORIZATION COMMENTS

38663

CWO Summary

CWO	Description	Amount
20191804	Porcelain Cutout Replacements, Various Locations	\$173,896.37
	Total	\$173,896.37

UES Seacoast Construction Authorization

AUTH: ~~191022~~ **191022**

Date: **7/7/2020**

Budgeted Amount: **\$184,656.52**

Budget Item No: **DPBE02**
 Budget Year: **2019**
 Description: **Porcelain Cutout Replacements**
 Project Supervisor: **Wade, Scott**
 Crew Days: **40**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/7/2020 7:47:25 AM**
 Initiated By: **Wade, Scott**
 Finalized Date: **10/1/2020 11:08:56 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
8/10/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$327,370.00
8/11/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
8/11/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$327,370.00
8/14/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$1,500.00
8/28/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$60,000.00
8/11/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
8/28/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$267,370.00
8/28/2020	YES	Hurstak, Daniel <i>Controller</i>		
10/1/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization is to cover additional costs associated with the replacement of potted-porcelain distribution cutouts with silicone rubber cutouts.

Locations of the cutout replacements will be determined based on the reliability impact of their failures.

The additional costs is a result of expanding the program in 2020 for improved reliability measures

Initial Authorization: \$185,656
 Expenditure through July 2020: \$202,370
 Additional Expenditure Projected: \$125,000
 Revised Authorization \$ 327,370

JUSTIFICATION

Over the past several years, Unitil has experienced an increase in porcelain cutout failures. From 2012 through 2019 the Unitil has encountered 302 outages caused by failed cutouts.

- 32 in 2012
- 28 in 2013
- 28 in 2014
- 49 in 2015
- 61 in 2016
- 46 in 2017
- 56 in 2018
- 25 in 2019

NOTES

AUTHORIZATION COMMENTS

38663

CWO Summary

CWO	Description	Amount
20191804	Porcelain Cutout Replacements, Various Locations	\$267,370.00
	Total	\$267,370.00

Capital Budget 2019 UES Seacoast

Project Description

Year: 2019
Company: UES Seacoast
Status: [A] Accepted
Priority: 3
Budget Category: DPBE02 Distribution Projects
Project Name: Porcelain Cutout Replacements
Submitted By: J. Dusling

Project Categorizations

Safety, Reliability, Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	580
Labor Time for Removal (Man Hours):	100
Transportation Expenses (Heavy Truck Hours):	340
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	30000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	5500
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	700
Salvage:	0

Description/Scope

This is the first year of a multi-year program to replace potted-porcelain distribution cutouts with silicone rubber cutouts. Locations of the cutout replacements will be determined based on install reliability impact.

Justification

Over the past 6 1/2 years, Unitil has experienced an increase in porcelain cutout failures. From 2012 to end on July of 2018 Unitil has encounter 282 outages caused by failed cutouts.

- 32 in 2012
- 28 in 2013
- 28 in 2014
- 49 in 2015
- 61 in 2016
- 46 in 2017
- 38 in 2018 (1/1/18 to 7/31/18)

Furthermore, additional cutouts not included in the numbers above have failed, but have not been the direct cause of outages. These units are typically identified when responding to outage calls not caused by the cutout failure or upon inspection when other work is taking place in the area.

UES Seacoast
 Construction Authorization

AUTH: **191023**
 Date: **1/31/2019**
 Budgeted Amount: **\$50,210.59**

Budget Item No: **SPBE05**
 Budget Year: **2019**
 Description: **Stard Road - Replace SCADA RTU**
 Project Supervisor: **Fortin, David**
 Crew Days: **3**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **1/31/2019 10:31:16 AM**
 Initiated By: **Krell, Paul**
 Finalized Date: **2/20/2019 8:39:02 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/14/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$50,210.59
2/14/2019	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
2/18/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$50,210.59
2/18/2019	YES	Krell, Paul <i>Manager Energy Sys. Engineer.</i>	Retirement:	\$5,048.44
2/19/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$6,000.00
2/14/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
2/14/2019	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$44,210.59

DESCRIPTION/SCOPE

Replace the existing SCADA RTU and wired land-line telecommunications at the Stard Road Tap.
 Includes the installation of a new RTAC, wireless telecommunications, etc.

JUSTIFICATION

The existing SCADA RTU and wired land-line communications are unreliable, causing ongoing unavailability of remote control and indication at this site.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20191805	Stard Road - Replace SCADA RTU	\$44,210.59
	Total	\$44,210.59

Capital Budget 2019 UES Seacoast

Project Description

Year: 2019
Company: UES Seacoast
Status: [A] Accepted
Priority: 2
Budget Category: SPBE05 Substation Project
Project Name: Stard Road - Replace SCADA RTU
Submitted By: D. Fortin

Project Categorizations

Reliability, Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	48
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	24
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	500
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	17500
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	10000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	

Description/Scope

Replace existing SCADA RTU and wired land-line communications with new RTU and wireless communications.
 Includes installation of new SCADA enclosure with RTAC, wireless modem, power supply, batteries, etc.

Justification

The existing SCADA RTU and wired land-line communications are unreliable, causing ongoing unavailability of remote control and indication at this site.

UES Seacoast
 Construction Authorization

AUTH: 191040
Date: 2/13/2019
Budgeted Amount: \$799,818.00

Budget Item No: DRBE14 Budget Year: 2019 Description: Circuit 19X2 - Distribution Automation Scheme with Portsmouth Ave Project Supervisor: Fortin, David Crew Days: 15 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/13/2019 11:10:43 AM Initiated By: Aquilina, Patrick Finalized Date: 2/26/2019 4:05:52 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/18/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$205,291.00
2/19/2019	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/20/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$205,291.00
2/20/2019	YES	Krell, Paul <i>Manager Energy Sys. Engineer.</i>	Retirement:	\$0.00
2/26/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$2,415.00
2/19/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
2/19/2019	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$202,876.00

DESCRIPTION/SCOPE

This authorization is for the implementation of a distributed automation scheme between Portsmouth Avenue substation, Gilman Lane substation, and a new, normally-open tie recloser between circuits 11X2 and 19X2. This project includes the installation of the new tie recloser at (or in the vicinity of) the existing 11X2J19X2 tie switch, associated additions and modifications at Portsmouth Avenue substation, and associated additions and modifications at Gilman Lane substation.

This scheme is intended to automatically restore circuits 11X1 and 11X2 (1,700 customers) from circuit 19X2 for a loss of supply to Portsmouth Avenue; and to automatically restore circuit 19X2 (600 customers, including Exeter hospital) from circuit 11X2 for a loss of supply to the north 34.5kV bus at Gilman Lane.

This will be the 3rd authorization under the 2019 Reliability Projects. See below:
 Total Budgeted Amount \$799,818
 1st Authorization \$ 40,000 >North Shore Rd, Hampton
 2nd Authorization \$ 85,000 > Little River Rd, Hampton
 This Authorization \$205,291.00
 Remaining Balance \$469,527.00

JUSTIFICATION

On average one sub-transmission outage per year causes an outage to Portsmouth Avenue substation or Gilman Lane substation.

Additionally, Portsmouth Avenue substation is supplied from the 3347 line, which is a radial line that typically experiences damage during major events.

- Estimated annual customer-minutes savings = 81473
 - Estimated annual customer-interruption saving = 992

NOTES

Straight 30% overhead on the following:
 CWO #20191820 (Automation Scheme services)

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20191817	Circuit 19X2 - Distribution Automation Scheme with Portsmouth Ave	\$68,876.00
20191818	Portsmouth Avenue S/S - Automation Scheme	\$49,000.00
20191819	Gilman Lane S/S - Automation Scheme	\$72,000.00
20191820	Automation Scheme services	\$13,000.00
	Total	\$202,876.00

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Capital Budget 2019 UES Seacoast

Project Description

Year: 2019
Company: UES Seacoast
Status: [A] Accepted
Priority: 3
Budget Category: DRBE00 Reliabilty Projects
Project Name: Reliability Projects
Submitted By: J. Dusling

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	214
Labor Time for Removal (Man Hours):	18
Transportation Expenses (Heavy Truck Hours):	116
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	23500
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	115100
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	160
Contract Services:	325550
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	0
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	

Description/Scope

1) 43X1 - Reconductor Willow Road with Spacer cable (DRBE01)

Re-conductor a .75 mile heavily treed section of Willow Rd with spacer cable. This is a mainline section just outside the Willow Road Tap where permission for pruning has not been granted from property owners.

This is year one of a multi-year project:

Year 1: Design, Material purchase, late fall construction start

Year 2: Finish construction late winter

2) 17W1 - Install Reclosers/ Sectionalizers N Shore Rd (DRBE03)

Add two single phase hydraulic reclosers on North Shore Rd P.35, replace 125 QA fusing at Pole18 with cutout mounted sectionalizer and install fused cutouts at Pole 11.

3) Circuit 19X2 - Distribution Automation Scheme with Portsmouth Ave (DRBE04)

This project will consist of replacing the 11X2J19X2 tie switch with a recloser and the installation communication infrastructure between the new recloser, the 19X2 recloser at Gilman Lane substation and Portsmouth Ave substation.

A distribution automation scheme will be implemented that will restore the 1,700 customers on circuits 11X1 and 11X2 via circuit 19X2 for the loss of the 3347 line. Additionally, for a fault on the 3352 or 3362 line the 600 customers supplied by circuit 19X2 will automatically be restored via circuit 11X2.

4) 17W2 - Add Recloser Little River Rd (DRBE06)

Replace the existing 175QA fuses at pole 40 Little River Road with a three-phase electronically controlled recloser. Install FuseSavers at pole 1 North Shore Road.

Justification

1) 43X1 - Reconductor Willow Road with Spacer cable (DRBE01)

Willow Rd had three outages in 2017, two of which were tree related and the other patrolled nothing found. The owner of a section of property along Willow Road from pole 1 to pole 42 near the Willow Road Tap has repeatedly refused to allow effective pruning and hazard tree mitigation. An outage on this is mainline section of 43X1 would affect the majority of the circuit and 1862 customers. The 43X1 Station Breaker opened three times due to tree/limb contact between March 2017 and March 2018.

The projected average annual savings for this project is 78,052 customer minutes of interruptions and 950 customer interruptions.

2) 17W1 - Install Reclosers/ Sectionalizers N Shore Rd (DRBE03)

17W1 was one of the worst performing circuits in 2017 and North Shore Road has exhibited very poor resilience during major events.

Customer Exposure = 174 customers (.95 miles)

The projected average annual savings for this project is 5,153 customer minutes of interruptions and 63 customer interruptions.

3) Circuit 19X2 - Distribution Automation Scheme with Portsmouth Ave (DRBE04)

On average one subtransmission outage per year causes an outage to Portsmouth Ave substation or Gilman Lane substation.

Additionally, Portsmouth Ave substation is supplied from the 3347 line, which is a radial line that typically experiences damage during major events.

- Estimated annual customer-minutes savings = 81,473
- Estimated annual customer-interruption savings = 992

4) 17W2 - Add Recloser Little River Rd (DRBE06)

Circuit 17W2 was on the worst performing circuits SAIDI and SAIFI lists in 2016 and 2015.

The projected average annual savings for this project is 7,687 customer minutes of interruptions and 95 customer interruptions.

UES Seacoast Construction Authorization

AUTH: 191058

Date: 7/9/2019

Budgeted Amount: \$207,130.00

Budget Item No: **DBBE12**
 Budget Year: **2019**
 Description: **Three Phase, URD Line Ext., 315 Ocean Blvd., Hampton**
 Project Supervisor: **Gilman, Catherine**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **7/9/2019 2:01:41 PM**
 Initiated By: **Page, Laurie**
 Finalized Date: **7/11/2019 8:13:36 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

Action Date	Approved	Approver/Title
7/9/2019	YES	Lydon, Lisa <i>Plant Accountant</i>
7/10/2019	YES	Wade, Scott <i>Manager Electric Operations</i>
7/9/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>
7/10/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>
7/9/2019	YES	Sprague, Kevin <i>VP, Engineering</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$28,678.00
Less Customer Contribution:	\$19,342.00
Net Authorized Cost:	\$9,336.00
Retirement:	\$0.00
Cost Of Removal:	\$1,934.00
Salvage:	\$0.00
CWO Total:	\$26,744.00

DESCRIPTION/SCOPE

Three phase, underground line extension to provide three phase service to the proposed five story residential condominium complex consisting of 36 units. The developer will pay the reduced estimated cost of this line extension, in accordance with the Economic Development Program, as well as full cost for the street light removal, not under the Economic Development Program, in advance. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

C-191841 O/H/URG - BILLABLE \$26,626
 Less: Customer Contribution \$17,290
 Company Cost \$ 9,336

NOT UNDER ECONOMIC DEVELOPMENT PROGRAM

C-191842 STREET LIGHT/TRAFFIC - BILLABLE \$ 2,052
 Less: Customer Contribution \$ 2,052
 Company Cost \$ 0.00

Total Company Cost (Including Tel. Billing) \$ 9,336

NOTES

NOTE: Lt. Co. to set poles and anchors and bill Tel. Co. as follows:

1.00 Anchors Bel Billable N/C
 1.00 Poles - Billable \$700.00

Total \$700.00

The Customer to support the cost of this billing

AUTHORIZATION COMMENTS

SUMMARY: (Including Tel. Billing)

Customer Contribution \$17,290.00
 Construction Overheads \$ 9,336.00
 Street Light Removal \$ 2,052.00
 Total Project Cost \$28,678.00

38120

CWO Summary

CWO	Description	Amount
20191841	Three Phase, URD Line Ext., 315 Ocean Blvd., Hampton	\$24,692.00
20191842	Three Phase, URD Line Ext., 315 Ocean Blvd., Hampton	\$2,052.00
	Total	\$26,744.00

UES Seacoast
Construction Authorization

AUTH: **191056**

Date: **12/7/2020**

Budgeted Amount: **\$207,130.00**

Budget Item No: **DBBE12**
 Budget Year: **2019**
 Description: **Three Phase, URD Line Ext., 315 Ocean Blvd., Hampton**
 Project Supervisor: **Gilman, Catherine**
 Crew Days: **10**
 Start Date:
 Completion Date:

Type: **Supplemental**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **12/7/2020 4:27:45 PM**
 Initiated By: **Wade, Scott**
 Finalized Date: **12/14/2020 8:47:26 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
12/7/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$41,829.77
12/8/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$22,843.77
12/8/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$18,986.00
12/8/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
12/8/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$2,000.00
12/11/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
12/11/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$39,829.77
12/11/2020	YES	Hurstak, Daniel <i>Controller</i>		
12/11/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This supplement authorization is to cover the additional costs that were incurred on the above named project. There were two factors contributing to the additional expenditures; 1) additional labor necessary to complete the work and 2) timing of overhead clearing rates.

The analysis shows the project estimate accurately captured the material required to accomplish the work however additional labor was necessary due to the fact that we had to perform the work in various stages due to site conditions and construction taking place at the new building being serviced. This added approximately twenty (20) additional crew hours to the project. The second factor involved the overhead clearing rates whereby the original estimate was based on when the work was expected to be completed (2019). However, the labor and material overhead clearing rates for the periods of when the work was actually performed (2020) were higher than what was utilized in the original estimate. This project consisted of a three phase, underground line extension to provide three phase service to a new condominium building.

Original Authorization \$9,336
 Supplement Authorization \$18,986
 Variance + \$9,650

JUSTIFICATION

Provide new service to a condominium building.

NOTES

NOTE: Lt. Co. to set poles and anchors and bill Tel. Co. as follows:

1.00 Anchors Bel Billable N/C
 1.00 Poles - Billable \$700.00

Total \$700.00

The Customer to support the cost of this billing.

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20191841	Three Phase, URD Line Ext., 315 Ocean Blvd., Hampton	\$43,063.77
20191842	Three Phase, URD Line Ext., 315 Ocean Blvd., Hampton	(\$3,234.00)
	Total	\$39,829.77

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Capital Budget 2019 UES Seacoast	
Project Description	
Year:	2019
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven	
Project Estimates	
Labor Time to Install (Man Hours):	2000
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1000
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	31000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	600
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers.	
Justification	
Provide service to customers	

UES Seacoast Construction Authorization

AUTH: **191058**
 Date: **8/14/2019**
 Budgeted Amount: **\$799,818.00**

Budget Item No: **DRBE09**
 Budget Year: **2019**
 Description: **Circuit 13W2, Install Reclosers, Various Locations, Newton**
 Project Supervisor: **Aquilina, Patrick**
 Crew Days: **20**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **8/14/2019 11:04:57 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **8/29/2019 2:00:33 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
8/19/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$250,000.00
8/19/2019	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
8/20/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$250,000.00
8/29/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$2,000.00
8/22/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$50,000.00
8/22/2019	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$200,000.00

DESCRIPTION/SCOPE

This authorization is for adding electronic and hydraulic reclosers to circuit 13W2 in Newton.

This will be the 4th authorization under the 2019 Reliability Projects. See below:

Total Budgeted Amount: \$799,818

1st Authorization: \$ 40,000 > North Shore Rd, Hampton

2nd Authorization: \$ 85,000 > Little River Rd, Hampton

3rd Authorization: \$205,291.00 > Portsmouth Ave, Exeter

This Authorization: \$250,000.00

(Note: A portion of the costs associated with this authorization will carryover into 2020)

Remaining Balance \$219,527.00

C-20191844 Purchase and Installation of reclosers, Associated line work, traffic control and tree trimming \$175,000.00

C-20191845 Relay Replacement \$25,000.00

Cost of Removal \$50,000.00

TOTAL COMPANY COST \$250,000.00

JUSTIFICATION

Circuit 13W2 has historically been one of the worst performing circuits on the UES-Seacoast system and typically results in multiple outage locations during major storms.

The existing 13W2 recloser control at Timberlane substation will be replaced to allow the settings flexibility to allow for protection coordination with the new reclosers.

Additionally, the replacement of the 13W2 relay will allow for increased loadability of the 13W2 circuit position at Timberlane. Current distribution load projections indicate that the 13W2 protection settings are expected to be a planning loading violation as soon as 2020.

The new reclosers will benefit approximately 1,100 customers.

-Estimated annual customer-minutes savings = 53,451

-Estimated annual customer-interruption savings = 660

NOTES

Lt. Company to set four (4) 50/50 poles and bill Tel. Co. as follows:

4 Poles - Non Billable - \$2,800

This billing is included in the total of the authorization.

AUTHORIZATION COMMENTS

39711		
CWO Summary		
CWO	Description	Amount
20191844	Circuit 13W2, Install Reclosers, Various Locations, Newton	\$175,000.00
20191845	Circuit 13W2, Install Reclosers, Various Locations, Newton	\$25,000.00
	Total	\$200,000.00

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Capital Budget 2019 UES Seacoast

Project Description

Year: 2019
Company: UES Seacoast
Status: [A] Accepted
Priority: 3
Budget Category: DRBE00 Reliability Projects
Project Name: Reliability Projects
Submitted By: J. Dusling

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	214
Labor Time for Removal (Man Hours):	18
Transportation Expenses (Heavy Truck Hours):	116
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	23500
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	115100
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	160
Contract Services:	325550
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	0
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	

Description/Scope

1) 43X1 - Reconductor Willow Road with Spacer cable (DRBE01)

Re-conductor a .75 mile heavily treed section of Willow Rd with spacer cable. This is a mainline section just outside the Willow Road Tap where permission for pruning has not been granted from property owners.

This is year one of a multi-year project:

Year 1: Design, Material purchase, late fall construction start

Year 2: Finish construction late winter

2) 17W1 - Install Reclosers/ Sectionalizers N Shore Rd (DRBE03)

Add two single phase hydraulic reclosers on North Shore Rd P.35, replace 125 QA fusing at Pole18 with cutout mounted sectionalizer and install fused cutouts at Pole 11.

3) Circuit 19X2 - Distribution Automation Scheme with Portsmouth Ave (DRBE04)

This project will consist of replacing the 11X2J19X2 tie switch with a recloser and the installation communication infrastructure between the new recloser, the 19X2 recloser at Gilman Lane substation and Portsmouth Ave substation.

A distribution automation scheme will be implemented that will restore the 1,700 customers on circuits 11X1 and 11X2 via circuit 19X2 for the loss of the 3347 line. Additionally, for a fault on the 3352 or 3362 line the 600 customers supplied by circuit 19X2 will automatically be restored via circuit 11X2.

4) 17W2 - Add Recloser Little River Rd (DRBE06)

Replace the existing 175QA fuses at pole 40 Little River Road with a three-phase electronically controlled recloser. Install FuseSavers at pole 1 North Shore Road.

Justification

1) 43X1 - Reconductor Willow Road with Spacer cable (DRBE01)

Willow Rd had three outages in 2017, two of which were tree related and the other patrolled nothing found. The owner of a section of property along Willow Road from pole 1 to pole 42 near the Willow Road Tap has repeatedly refused to allow effective pruning and hazard tree mitigation. An outage on this is mainline section of 43X1 would affect the majority of the circuit and 1862 customers. The 43X1 Station Breaker opened three times due to tree/limb contact between March 2017 and March 2018.

The projected average annual savings for this project is 78,052 customer minutes of interruptions and 950 customer interruptions.

2) 17W1 - Install Reclosers/ Sectionalizers N Shore Rd (DRBE03)

17W1 was one of the worst performing circuits in 2017 and North Shore Road has exhibited very poor resilience during major events.

Customer Exposure = 174 customers (.95 miles)

The projected average annual savings for this project is 5,153 customer minutes of interruptions and 63 customer interruptions.

3) Circuit 19X2 - Distribution Automation Scheme with Portsmouth Ave (DRBE04)

On average one subtransmission outage per year causes an outage to Portsmouth Ave substation or Gilman Lane substation.

Additionally, Portsmouth Ave substation is supplied from the 3347 line, which is a radial line that typically experiences damage during major events.

- Estimated annual customer-minutes savings = 81,473
- Estimated annual customer-interruption savings = 992

4) 17W2 - Add Recloser Little River Rd (DRBE06)

Circuit 17W2 was on the worst performing circuits SAIDI and SAIFI lists in 2016 and 2015.

The projected average annual savings for this project is 7,687 customer minutes of interruptions and 95 customer interruptions.

UES Seacoast Construction Authorization

AUTH: **191060**
 Date: **8/22/2019**
 Budgeted Amount: **\$5,000,000.00**

Budget Item No: **GPBE02**
 Budget Year: **2019**
 Description: **Construction - New DOC Facility**
 Project Supervisor: **Agel, Jacquie**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **8/22/2019 11:47:27 AM**
 Initiated By: **Doucette, George**
 Finalized Date: **9/12/2019 9:46:20 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
9/10/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$15,931,474.00
9/10/2019	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
9/10/2019	YES	Agel, Jacquie <i>Manager, Fleet & Facilities</i>	Net Authorized Cost:	\$15,931,474.00
9/11/2019	YES	Closson, John <i>VP, People, Shared Services & Org. Effectiveness</i>	Retirement:	\$0.00
9/11/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
9/11/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
9/11/2019	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$15,931,474.00
9/12/2019	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
9/12/2019	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

Construct a new NH Seacoast Region Facility, in Exeter NH, to include space for the following business needs; NH Seacoast's Electric Distribution Operations Center (DOC), Business Continuity for Gas Control & Field Services, System Emergency Operating Center (S-EOC), Central Electric Dispatch (CED), OQ Testing, Training, Offices and lab for Electric Engineering Department.

Scope to include:

Preliminary Survey cost including:

- Preconstruction, engineering & design, construction management pre-construction services, geo-tech, civil/survey, environmental survey, legal fees, permitting, insurance, etc.

Construction: site work, utilities (electric, gas, comm, sewer/water), construction to include:

- 53,940 sf +/- sf for office areas, warehouse, enclosed vehicle storage area with a wash bay, etc.
- Bermed outside transformer & other storage
- Outside material laydown areas
- Emergency back-up Generator
- Construction Administration: Construction Manager and engineers & designers field observations, RFIs, Submittals review and other miscellaneous construction phase documentation.
- Project Close Out: Commissioning, As-Builts, etc.
- Furniture/Furnishings/Equipment: Office, warehouse, operations areas, building electronic access control and security systems, and Information Technology infrastructure.
- Move

This is a multi-year project:

- Q3 2019 Break ground/begin construction
- 2020 Completion, Commissioning and Occupancy

JUSTIFICATION

The current Distribution Operations Center (DOC) is 60+ years old and no longer adequately supports the present day operational needs of UES/Seacoast. The current DOC was constructed in the 1950s. Since that time the customer base has grown as has the requirement to stock more materials (inside and out) including transformers and poles. The transformers take up a great deal of space in a stockyard that was designed for operations 60+ years ago when utility trucks were much smaller. The current day line trucks barely fit into the 1950s garage. In addition, this building will solve space constraints at other company facilities, in connection with business continuity for the company's Gas Control, Field Services and Central Electric Dispatch (CED) functions. Electric Engineering department including lab space for functional testing of equipment as well as, provide space for a Prometric certified Operator Qualifications (OQ) testing.

NOTES

Preliminary Survey costs need to be transferred into individual CWO's.

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20192718	Construction - New DOC Facility	\$13,681,559.00
20192719	Engineering & Architectural Services	\$933,415.00
20192720	Legal . Insurance, Permitting & Misc	\$36,500.00
20192721	Internal Project Management	\$150,000.00
20192722	Office: Furniture/Equip./Appliances & Furnishings	\$825,000.00
20192723	Warehouse & Ops: Equipment & Furnishings	\$20,000.00
20192724	IT / Data / Tel / Misc Equipment & Travel	\$160,000.00
20192725	Move to 20 Continental Drive & Clean Out of 114 DWR Building	\$125,000.00
	Total	\$15,931,474.00

Capital Budget 2019 UES Seacoast

Project Description

Year: 2019
Company: UES Seacoast
Status: [A] Accepted
Priority: 3
Budget Category: GPBE02 Structures
Project Name: Construction - New DOC Facility
Submitted By: Jacquie Agel

Project Categorizations

Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	5000000
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

Construct a new NH Seacoast Region Electric Distribution Operations Facility (DOC), in Exeter, to include;

* Preconstruction:., engineers & designers, construction management pre-construction services, geo-tech, civil/survey, environmental survey, legal fees, permitting, insurance, etc.

*Construction: site work, utilities (electric, gas, telco, sewer/water), construction to include:

** 50,000 sf +/- sf for office areas, warehouse, enclosed vehicle storage area with a wash bay, etc.

** Bermed outside transformer storage area with overflow/run off tank in case of spill, mimics Lunenburg DOC

** Bermed outside storage area with piping to tie in with transformer overflow/run off tank , mimics Lunenburg DOC

** Outside material laydown areas

** Natural Gas Generator

** Construction Administration: Construction Manager and engineers & designers field observations, RFIs, Submittals review and other miscellaneous construction phase documentation.

** Project Close Out: Commissioning, As-Builts, etc.

** Furniture/Furnishings/Equipment: Office, warehouse, operations areas, building electronic access and security systems, and Information Technology infrastructure.

** Move

Anticipated Schedule:

Q4 2018/Q1 2019: Complete P&S due diligence and purchase land (separate Auth).

Q1 2019 Break ground/begin construction

Q1 2020: Completion, Commissioning and Occupancy

Justification

The current Distribution Operations Center (DOC) is 70+ years old and no longer adequately supports the present day operational needs of UES/Seacoast. The line truck garage height and therefore height of its doors is inadequate leaving very little clearance for today's bucket trucks.

This budget item is set up the same as the 2017 Non-Budget Auth (017084) for the construction of the new FGE DOC.

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Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	3
Budget Category:	GPCE03 Structures, Carryover
Project Name:	Construct New NH Seacoast Region Facility, Exeter
Submitted By:	George Doucette
Project Categorizations	
Other	
Project Estimates	
Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	10000000
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	800000
Description/Scope	
<p>Construct a new NH Seacoast Region Facility, in Exeter NH, to include space for the following business needs; NH Seacoast's Electric Distribution Operations Center (DOC), Business Continuity for Gas Control & Field Services, System Emergency Operating Center (S-EOC), Central Electric Dispatch (CED), OQ Testing, Training, Offices and lab for Electric Engineering Department.</p> <p>Scope to include;</p> <p>* Preconstruction:., engineering & design, construction management pre-construction services, geo-tech, civil/survey, environmental survey, legal fees, permitting, insurance, etc.</p> <p>*Construction: site work, utilities (electric, gas, comm, sewer/water), construction to include: ** 53,940 sf +/- sf for office areas, warehouse, enclosed vehicle storage area with a wash bay, etc. ** Bermed outside transformer storage ** Bermed outside storage ** Outside material laydown areas ** Emergency back-up Generator ** Construction Administration: Construction Manager and engineers & designers field observations, RFIs, Submittals review and other miscellaneous construction phase documentation. ** Project Close Out: Commissioning, As-Builts, etc. ** Furniture/Furnishings/Equipment: Office, warehouse, operations areas, building electronic access control and security systems, and Information Technology infrastructure. ** Move</p> <p>Schedule: Q3 2019: Complete P&S due diligence and purchase land (separate Auth). Q3 2019 Break ground/begin construction Q2/Q3 2020: Completion, Commissioning and Occupancy</p>	
Justification	
<p>The current Distribution Operations Center (DOC) is 60+ years old and no longer adequately supports the present day operational needs of UES/Seacoast. The current DOC was constructed in the 1950s. Since that time the customer base has grown as has the requirement to stock more materials (inside and out) including transformers and poles. The transformers take up a great deal of space in a stockyard that was designed for operations 60+ years ago when utility trucks were much smaller. The current day line trucks barely fit into the 1950s garage. In addition, this building will solve space constraints at other company facilities, in connection with business continuity for the company's Gas Control, Field Services and Central Electric Dispatch (CED) functions , Electric Engineering department including lab space for functional testing of equipment as well as, provide space for a Prometric certified Operator Qualifications (OQ) testing</p>	

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Capital Budget 2021 UES Seacoast

Project Description

Year: 2021
Company: UES Seacoast
Status: [A] Accepted
Priority: 3
Budget Category: GPCE01 Structures, Carryover
Project Name: Construct New NH Seacoast Region Facility, Carryover
Submitted By: Jacquie Agel

Project Categorizations

Other

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	500000
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

This carryover is for final project payments not made before the end of 2020. At this time (Aug 2020), occupancy is anticipated in early November.

Construct a new NH Seacoast Region Facility, in Exeter NH, to include space for the following business needs; NH Seacoast's Electric Distribution Operations Center (DOC), Business Continuity for Gas Control & Field Services, System Emergency Operating Center (S-EOC), Central Electric Dispatch (CED), OQ Testing, Training, Offices and lab for Electric Engineering Department.

Scope to include;

* Preconstruction: engineering & design, construction management pre-construction services, geo-tech, civil/survey, environmental survey, legal fees, permitting, insurance, etc.

*Construction: site work, utilities (electric, gas, comm, sewer/water), construction to include:

** 53,940 sf +/- sf for office areas, warehouse, enclosed vehicle storage area with a wash bay, etc.

** Bermed outside transformer storage ** Bermed outside storage ** Outside material laydown areas

** Emergency back-up Generator

** Construction Administration: Construction Manager and engineers & designers field observations, RFIs, Submittals review and other miscellaneous construction phase documentation.

** Project Close Out: Commissioning, As-Builts, etc.

** Furniture/Furnishings/Equipment: Office, warehouse, operations areas, building electronic access control and security systems, and Information Technology infrastructure.

** Move

Schedule:

Q3 2019: Complete P&S due diligence and purchase land (separate Auth).

Q3 2019 Break ground/begin construction

Q2/Q3 2020: Completion, Commissioning and Occupancy

Justification

The current Distribution Operations Center (DOC) is 60+ years old and no longer adequately supports the present day operational needs of UES/Seacoast. The current DOC was constructed in the 1950s. Since that time the customer base has

grown as has the requirement to stock more materials (inside and out) including transformers and poles. The transformers take up a great deal of space in a stockyard that was designed for operations 60+ years ago when utility trucks were much smaller. The current day line trucks barely fit into the 1950s garage. In addition, this building will solve space constraints at other company facilities, in connection with business continuity for the company's Gas Control, Field Services and Central Electric Dispatch (CED) functions , Electric Engineering department including lab space for functional testing of equipment as well as, provide space for a Prometric certified Operator Qualifications (OQ) testing

UES Seacoast Construction Authorization

AUTH: **191071**
 Date: **11/22/2019**
 Budgeted Amount: **\$56,290.44**

Budget Item No: SPBE06 Budget Year: 2019 Description: Kingston - Modifications & Additions Project Supervisor: Krell, Paul Crew Days: 3 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 11/22/2019 3:12:07 PM Initiated By: Krell, Paul Finalized Date: 12/4/2019 5:18:48 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
11/25/2019	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$56,290.44
11/26/2019	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
11/25/2019	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$56,290.44
11/26/2019	YES	Krell, Paul <i>Manager Energy Sys. Engineer.</i>	Retirement:	\$0.00
12/4/2019	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
11/25/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
11/26/2019	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$56,290.44

DESCRIPTION/SCOPE

Address outstanding items at Kingston substation, many of which were identified during Broken Ground Construction. Items include:

- Power Fuse Cutout reconfiguration
- LTC Control modifications
- Control Wiring to Spare Equipment
- Battery Monitoring System re-wiring and commissioning

JUSTIFICATION

Various design and installation modifications to improve performance and eliminate operating challenges.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20191863	Kingston - Modifications & Additions	\$56,290.44
	Total	\$56,290.44

Capital Budget 2019 UES Seacoast

Project Description

Year: 2019
Company: UES Seacoast
Status: [A] Accepted
Priority: 2
Budget Category: SPBE06 Substation Project
Project Name: Kingston - Modifications & Additions
Submitted By: P. Krell

Project Categorizations

Voltage, Safety, Reliability, Other

Project Estimates

Labor Time to Install (Man Hours):	80
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	40
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	3000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	3000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	21000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

Address outstanding items at Kingston substation, many of which were identified during Broken Ground Construction. Items include:

- Power Fuse Cutout Replacements
- LTC Control Module Addition
- Control Wiring to Spare Equipment
- Battery Monitoring System Re-Wiring and Commissioning

Justification

Various design and installation modifications to improve performance and eliminate operating challenges.

UES Capital
 Construction Authorization

AUTH: 200100
Date: 2/3/2020
Budgeted Amount: \$1,088,981.18

Budget Item No: **BABC20**
 Budget Year: **2020**
 Description: **T&D Improvements**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/3/2020 7:32:50 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **2/5/2020 3:04:16 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$658,833.61
2/4/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$59,893.96
2/4/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$598,939.65
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$4,645.30
2/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$119,787.93
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$502.70
2/4/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$539,548.38
2/5/2020	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		
2/5/2020	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This blanket authorization is to cover labor and material for system upgrades or improvements that are less than \$30,000 and don't fit any other category.

The typical type of work that would normally be performed would be as follows:
 Less than < \$30,000
 Telephone Request,
 Cable TV Request,
 Services,
 Repairs / Replacement (failed, damaged, rotten/corroded, or in a state of disrepair) – essential to the operation of the system or a high probability of affecting reliability.

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2020.

Year 1st 6 mon % of Act
 2015 \$802,472.00 63%
 2016 \$520,910.00 47%
 2017 \$737,116.00 57%
 2018 \$595,500.00 48%
 2019 \$628,439.00 60%
 Ave \$656,887.40 55%

2020
 Budget amount - \$1,088,981.18
 1st six month auth - \$598,939.65
 % of total Budget- 55%
 Remaining Budget amount - \$490,041.53

JUSTIFICATION

Necessary additions and replacements to maintain a safe and reliable electric system.

NOTES

AUTHORIZATION COMMENTS

UES Capital Construction Authorization

AUTH: **200100**

Date: **7/30/2020**

Budgeted Amount: **\$1,088,981.18**

Budget Item No: BABC20 Budget Year: 2020 Description: T&D Improvements Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 7/30/2020 3:45:24 PM Initiated By: Lloyd, Charles Finalized Date: 8/12/2020 2:41:37 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/31/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,218,250.00
8/4/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$110,750.00
8/5/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,107,500.00
8/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$8,589.63
8/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$221,500.00
8/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$929.54
8/11/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$997,679.54
8/11/2020	YES	Hurstak, Daniel <i>Controller</i>		
8/12/2020	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This revised blanket authorization is to cover labor and material for system upgrades or improvements that are less than \$30,000 and don't fit any other category for the remainder of 2020.

The typical type of work that would normally be performed would be as follows:

Less than < \$30,000

Telephone Request,

Cable TV Request,

Services,

Repairs / Replacement (failed, damaged, rotten/corroded, or in a state of disrepair) – essential to the operation of the system or a high probability of affecting reliability.

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$598,939.65

1st six Months (Jan to June) Actuals \$598,939.65

Total Budgeted Amount \$1,088,981.18

Revised Authorization Amount \$1,107,500.00

Variance (\$18,518.82)

JUSTIFICATION

Necessary additions and replacements to maintain a safe and reliable electric system.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: BABC20 T&D Improvements
Project Name: T&D Improvements
Submitted By: C. Lloyd

Project Categorizations

Customer Driven, Government, Regulatory/Legal, IOP/Agreement, Load, Voltage, Protection, Safety, Reliability, Power Quality, Power Factor, Repair/Replacement, Economics, Other

Project Estimates

Labor Time to Install (Man Hours):	2867
Labor Time for Removal (Man Hours):	422
Transportation Expenses (Heavy Truck Hours):	1645
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	72394
Material UG Electric Construction (from Stockroom):	12775
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	282759
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	10
EDP? (Yes or No):	No
Retirement:	8446
Salvage:	914

Description/Scope

This blanket is to cover labor and material for system upgrades or improvements that are less than \$30,000 and don't fit any other category.

The typical type of work that would normally be performed would be as follows:

Less than < \$30,000

Telephone Request,

Cable TV Request,

Services,

Repairs / Replacement (failed, damaged, rotten/corroded, or in a state of disrepair) – essential to the operation of the system or a high probability of affecting reliability.

Justification

Necessary additions and replacements to maintain a safe and reliable electric system.

UES Capital Construction Authorization

AUTH: 200101

Date: 2/3/2020

Budgeted Amount: \$380,093.99

Budget Item No: BBBC20 Budget Year: 2020 Description: New Customer Additions Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/3/2020 10:07:23 AM Initiated By: Lloyd, Charles Finalized Date: 2/5/2020 7:29:45 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$167,241.36
2/4/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$15,203.76
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$152,037.60
2/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$2,342.40
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$30,407.52
2/4/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$365.60
			Blanket Authorization Total:	\$137,199.44

DESCRIPTION/SCOPE

This blanket Authorization is to cover labor and material for new customer additions. Generally, this would be 1 pole and 1 section of wire (approx. 300 feet), anchor and guy or an underground service. In addition, this will include any work that needed to be done to the road pole to make it acceptable as a take off pole. The typical type of work that would normally be performed would be as follows: Installation of poles, wire, guys / anchors.

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2020.

Year 1st 6 mon % of Act
 2015 \$181,780 41%
 2016 \$116,074 34%
 2017 \$200,783 41%
 2018 \$191,639 40%
 2019 \$158,830 35%
 Ave \$169,821 38%

2020
 Budget amount - \$380,093.99
 1st six month auth - \$152,037.60
 % of total Budget- 40%
 Remaining Budget amount - \$228,056.39

JUSTIFICATION

Provide service to our customers. Estimate based on history with emphasis on number of new services installed.

NOTES

AUTHORIZATION COMMENTS

UES Capital Construction Authorization

AUTH: 200101

Date: 7/30/2020

Budgeted Amount: \$380,093.99

Budget Item No: BBBC20 Budget Year: 2020 Description: New Customer Additions Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 7/30/2020 3:56:08 PM Initiated By: Lloyd, Charles Finalized Date: 8/12/2020 2:41:33 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/31/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$542,740.00
7/31/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$49,340.00
7/31/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$493,400.00
7/31/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$7,601.67
8/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$98,680.00
8/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,186.46
8/11/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$445,246.46
8/11/2020	YES	Hurstak, Daniel <i>Controller</i>		
8/12/2020	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This revised blanket Authorization is to cover labor and material for new customer additions for the remainder of 2020. Generally, this would be 1 pole and 1 section of wire (approx. 300 feet), anchor and guy or an underground service. In addition, this will include any work that needed to be done to the road pole to make it acceptable as a take off pole. The typical type of work that would normally be performed would be as follows: Installation of poles, wire, guys / anchors.

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$152,037.60
 1st six Months (Jan to June) Actuals \$263,377.01
 Total Budgeted Amount \$380,093.99
 Revised Authorization Amount \$493,400.00
 Variance (\$113,306.01) or 130% of Budget

JUSTIFICATION

Provide service to our customers. Estimate based on history with emphasis on number of new services installed.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: BBBC20 New Customer Additions
Project Name: New Customer Additions
Submitted By: C. Lloyd

Project Categorizations

Customer Driven

Project Estimates

Labor Time to Install (Man Hours):	690
Labor Time for Removal (Man Hours):	121
Transportation Expenses (Heavy Truck Hours):	406
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	33695
Material UG Electric Construction (from Stockroom):	8420
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	97786
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	10
EDP? (Yes or No):	Yes
Retirement:	5856
Salvage:	914

Description/Scope

This blanket is to cover labor and material for new customer additions. Generally, this would be 1 pole and 1 section of wire (approx. 300 feet), anchor and guy or an underground service. In addition, this will include any work that needed to be done to the road pole to make it acceptable as a take off pole. The typical type of work that would normally be performed would be as follows: Installation of poles, wire, guys / anchors.

Justification

Provide service to our customers. Estimate based on history with emphasis on number of new services installed.

UES Capital
 Construction Authorization

AUTH: 200102
Date: 2/3/2020
Budgeted Amount: \$96,195.98

Budget Item No: **BCBC20**
 Budget Year: **2020**
 Description: **Outdoor Lighting**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/3/2020 10:31:23 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **2/5/2020 7:29:55 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/4/2020	YES	Lydon, Lisa <i>Sr Plant Accountant</i>	Total Project Cost:	\$49,540.93
2/4/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$1,442.94
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$48,097.99
2/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$702.50
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$9,619.60
			Salvage:	\$293.00
			Blanket Authorization Total:	\$40,214.33

DESCRIPTION/SCOPE

This blanket authorization is to cover labor and material for installing or replacing outdoor lighting. The typical type of work that would normally be performed would be as follows: Installation of poles, wire (secondary) and fixtures.

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2020.

Year 1st 6 mon % of Act
 2015 \$57,300 43%
 2016 \$96,799 66%
 2017 \$50,330 49%
 2018 \$73,929 57%
 2019 \$72,659 50%
 Ave \$70,203 53%

2020
 Budget amount - \$96,195.98
 1st six month auth - \$48,097.99
 % of total Budget- 50%
 Remaining Budget amount - \$48,097.99

JUSTIFICATION

Customer driven and obligation to maintain/replace existing lights.

NOTES

AUTHORIZATION COMMENTS

**UES Capital
 Construction Authorization**

AUTH: 200102
Date: 8/10/2020
Budgeted Amount: \$96,195.98

Budget Item No: **BCBC20**
 Budget Year: **2020**
 Description: **Outdoor Lighting**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **8/10/2020 1:22:42 PM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **8/12/2020 9:09:45 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
8/10/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$150,380.00
8/10/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$4,380.00
8/10/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$146,000.00
8/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$2,132.42
8/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$29,200.00
8/11/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$889.39
8/11/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$122,069.39
8/11/2020	YES	Hurstak, Daniel <i>Controller</i>		
8/12/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised blanket authorization is to cover labor and material for installing or replacing outdoor lighting for the remainder of 2020. The typical type of work that would normally be performed would be as follows: Installation of poles, wire (secondary) and fixtures.

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$48,097.99
 1st six Months (Jan to June) Actuals \$97,583.00
 Total Budgeted Amount \$96,195.98
 Revised Authorization Amount \$146,000.00
 Variance (\$49,804.02) or 152% of budget

JUSTIFICATION

Customer driven and obligation to maintain/replace existing lights.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: BCBC20 Outdoor Lighting
Project Name: Outdoor Lighting
Submitted By: C.Lloyd

Project Categorizations

Customer Driven

Project Estimates

Labor Time to Install (Man Hours):	228
Labor Time for Removal (Man Hours):	40
Transportation Expenses (Heavy Truck Hours):	134
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	10946
Material UG Electric Construction (from Stockroom):	2738
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	11416
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	3
EDP? (Yes or No):	No
Retirement:	1405
Salvage:	586

Description/Scope

This blanket is to cover labor and material for installing or replacing outdoor lighting. The typical type of work that would normally be performed would be as follows: Installation of poles, wire (secondary) and fixtures.

Justification

Customer driven and obligation to maintain/replace existing lights.

UES Capital Construction Authorization

AUTH: 200100

Date: 2/3/2020

Budgeted Amount: \$615,396.75

Budget Item No: **BDBC20**
 Budget Year: **2020**
 Description: **Emergency & Storm Restoration**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/3/2020 11:07:27 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **2/5/2020 7:30:02 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$276,928.54
2/4/2020	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
2/4/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$276,928.54
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$8,268.30
2/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$55,385.71
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$826.65
2/4/2020	YES	Diggins, Todd <i>Director, Finance</i>	Blanket Authorization Total:	\$222,369.48

DESCRIPTION/SCOPE

This blanket authorization encompasses labor and material used during system emergencies & storm restoration.

The typical type of work that would normally be performed would be as follows:

Replacement of poles, wire, cutouts, arresters, or any other associated capital hardware that pertains to overhead as well as underground

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2020.

Year 1st 6 mon % of Act

- 2015 \$328,400 61%
- 2016 \$155,173 44%
- 2017 \$268,855 39%
- 2018 \$364,883 44%
- 2019 \$403,683 39%
- Ave \$304,199 45%

2020

- Budget amount - \$615,396.75
- 1st six month auth - \$276,928.54
- % of total Budget- 45%
- Remaining Budget amount - \$338,468.21

JUSTIFICATION

Maintain satisfactory level of service to customer by providing reliable electric service.

NOTES

AUTHORIZATION COMMENTS

UES Capital Construction Authorization

AUTH: **200103**

Date: **8/10/2020**

Budgeted Amount: **\$615,396.75**

Budget Item No: BDBC20 Budget Year: 2020 Description: Emergency & Storm Restoration Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 8/10/2020 1:34:10 PM Initiated By: Lloyd, Charles Finalized Date: 8/12/2020 9:09:40 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/10/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$625,000.00
8/10/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
8/10/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$625,000.00
8/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$18,660.73
8/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$125,000.00
8/11/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,865.67
8/11/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$501,865.67
8/11/2020	YES	Hurstak, Daniel <i>Controller</i>		
8/12/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised blanket authorization encompasses labor and material used during system emergencies & storm restoration for the remainder of 2020.

The typical type of work that would normally be performed would be as follows:

Replacement of poles, wire, cutouts, arresters, or any other associated capital hardware that pertains to overhead as well as underground

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$276,928.54
 1st six Months (Jan to June) Actuals \$266,908.00
 Total Budgeted Amount \$615,396.75
 Revised Authorization Amount \$625,000.00
 Variance \$ (9,603.25) or 102% of Budget

JUSTIFICATION

Maintain satisfactory level of service to customer by providing reliable electric service.

NOTES

AUTHORIZATION COMMENTS

UES Capital
Construction Authorization

AUTH: **200103**

Date: **5/24/2021**

Budgeted Amount: **\$615,396.75**

Budget Item No: **BDBC20**
 Budget Year: **2020**
 Description: **Emergency & Storm Restoration**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **3**
 Status: **Completed**
 Initiated Date: **5/24/2021 1:12:51 PM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **6/16/2021 9:58:33 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
5/25/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$775,785.00
5/25/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
5/25/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$775,785.00
5/26/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$23,162.74
5/26/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$155,157.00
5/25/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$2,315.77
5/26/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$622,943.77
6/1/2021	YES	Hurstak, Daniel <i>Controller</i>		
6/16/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This 2nd revised blanket authorization is for unanticipated costs for labor and material used during system emergencies & storm restoration for the remainder of 2020.

The typical type of work that would normally be performed would be as follows:

Replacement of poles, wire, cutouts, arresters, or any other associated capital hardware that pertains to overhead as well as underground

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

The unfavorable variance is due to several mid sized storms in the 4th quarter of 2020.

Initial Authorization for first six months \$276,928.54
 1st six Months (Jan to June) Actuals \$266,908.00
 Total Budgeted Amount \$615,396.75
 1st Revised Authorization Amount \$625,000.00
 2nd Revised Authorization Amount \$ 775,785.00
 Variance (\$160,388.25) or 126% of Budget

JUSTIFICATION

Maintain satisfactory level of service to customer by providing reliable electric service.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	BDBC20 Emergency & Storm Restoration
Project Name:	Emergency & Storm Restoration
Submitted By:	C. Lloyd
Project Categorizations	
	Reliability, Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	1620
Labor Time for Removal (Man Hours):	180
Transportation Expenses (Heavy Truck Hours):	900
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	22980
Material UG Electric Construction (from Stockroom):	2553
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	163909
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	18374
Salvage:	1837
Description/Scope	
This blanket encompasses labor and material used on the system during emergency & storm restoration.	
The typical type of work that would normally be performed would be as follows:	
Replacement of poles, wire, cutouts, arresters, or any other associated capital hardware that pertains to overhead as well as underground	
Justification	
Maintain satisfactory level of service to customer by providing reliable electric service.	

UES Capital Construction Authorization

AUTH: 200104

Date: 2/3/2020

Budgeted Amount: \$188,887.50

Budget Item No: **BEBC20**
 Budget Year: **2020**
 Description: **Billable Work**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**

Start Date:

Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/3/2020 11:13:40 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **2/18/2020 9:12:31 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

Action Date	Approved	Approver/Title
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>
2/4/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>
2/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>
2/17/2020	YES	Diggins, Todd <i>Director, Finance</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$145,065.60
Less Customer Contribution:	\$54,399.60
Net Authorized Cost:	\$90,666.00
Retirement:	\$4,715.52
Cost Of Removal:	\$18,133.20
Salvage:	\$413.28
Blanket Authorization Total:	\$127,345.68

DESCRIPTION/SCOPE

This blanket authorization covers labor and material for billable work. The typical type of work that would normally be performed would be as follows: Accidents, Cable TV, Temp Work, Miscellaneous, Overtime – outside normal work hours.

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2020.

Year 1st 6 mon % of Act
 2015 \$147,200 43%
 2016 \$219,746 71%
 2017 \$123,843 47%
 2018 \$89,425 32%
 2019 \$87,218 45%
 Ave \$133,486 47%

2020
 Budget amount - \$188,887.50
 1st six month auth - \$90,666.00
 % of total Budget- 48%
 Remaining Budget amount - \$98,221.50

JUSTIFICATION

Obligation to respond to customer outages, broken poles, etc. Also, to perform work upon customer requests.

NOTES

AUTHORIZATION COMMENTS

UES Capital Construction Authorization

AUTH: 200164

Date: 8/10/2020

Budgeted Amount: \$188,887.50

Budget Item No: BEBC20 Budget Year: 2020 Description: Billable Work Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 8/10/2020 2:01:10 PM Initiated By: Lloyd, Charles Finalized Date: 8/12/2020 9:09:35 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/10/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$352,000.00
8/10/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$132,000.00
8/11/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$220,000.00
8/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$11,442.15
8/11/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$44,000.00
8/11/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,002.82
8/11/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$309,002.82
8/11/2020	YES	Hurstak, Daniel <i>Controller</i>		
8/12/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised blanket authorization covers labor and material for billable work for the remainder of 2020. The typical type of work that would normally be performed would be as follows: Accidents, Cable TV, Temp Work, Miscellaneous, Overtime – outside normal work hours and Mutual Aid.

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year.

Initial Authorization for first six months \$90,666.00
 1st six Months (Jan to June) Actuals \$179,716.00
 Total Budgeted Amount \$188,887.50
 Revised Authorization Amount \$220,000.00
 Variance \$(31,112.50) or 116% of Budget

JUSTIFICATION

Obligation to respond to customer outages, broken poles, etc. Also, to perform work upon customer requests.

NOTES

More MVA's in the first half of the year (31 to Date), many of which we have not received payment for.

AUTHORIZATION COMMENTS

UES Capital Construction Authorization

AUTH: **200104**

Date: **5/24/2021**

Budgeted Amount: **\$188,887.50**

Budget Item No: **BEBC20**
 Budget Year: **2020**
 Description: **Billable Work**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Supplemental**
 Sequence: **3**
 Status: **Completed**
 Initiated Date: **5/24/2021 1:47:56 PM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **6/16/2021 9:58:31 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
5/25/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$858,248.00
5/25/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$567,179.00
5/25/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$291,069.00
5/26/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$15,138.44
5/26/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$58,213.80
5/25/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,326.77
5/26/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$801,360.97
6/1/2021	YES	Hurstak, Daniel <i>Controller</i>		
6/16/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This supplemental authorization covers unanticipated labor and material for billable work for 2020. The typical type of work that would normally be performed would be as follows: Accidents, Cable TV, Temp Work, Miscellaneous, Overtime – outside normal work hours and Mutual Aid.

The total year supplemental amount is based on actual spending to date for 2020.

Initial Authorization for first six months \$90,666.00
 1st six Months (Jan to June) Actuals \$179,716.00
 Total Budgeted Amount \$188,887.50
 1st Revised Authorization Amount \$220,000.00
 Supplemental Authorization Amount \$ 291,069.00
 Variance \$(102,181.50) or 154% of Budget

JUSTIFICATION

Obligation to respond to customer outages, broken poles, etc. Also, to perform work upon customer requests.

NOTES

More MVA's than anticipated, or budgeted.

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	BEBC20 Billable work
Project Name:	Billable Work
Submitted By:	C. Lloyd
Project Categorizations	
Customer Driven, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	1531
Labor Time for Removal (Man Hours):	271
Transportation Expenses (Heavy Truck Hours):	901
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	21297
Material UG Electric Construction (from Stockroom):	2366
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	79122
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	No
Retirement:	9824
Salvage:	861
Description/Scope	
This blanket covers labor and material for billable work. The typical type of work that would normally be performed would be as follows: Accidents, Cable TV, Temp Work, Miscellaneous, Overtime – outside normal work hours.	
Justification	
Obligation to respond to customer outages, broken poles, etc. Also, to perform work upon customer requests.	

UES Capital Construction Authorization

AUTH: **200105**
 Date: **2/3/2020**
 Budgeted Amount: **\$84,062.18**

Budget Item No: **BFBC20**
 Budget Year: **2020**
 Description: **Transformers Company/Conversions**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/3/2020 11:48:53 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **2/10/2020 6:57:50 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

Action Date	Approved	Approver/Title
2/5/2020	YES	Lydon, Lisa <i>Plant Accountant</i>
2/5/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>
2/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>
2/10/2020	YES	Diggins, Todd <i>Director, Finance</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$50,437.31
Less Customer Contribution:	\$0.00
Net Authorized Cost:	\$50,437.31
Retirement:	\$0.00
Cost Of Removal:	\$0.00
Salvage:	\$0.00
Blanket Authorization Total:	\$50,437.31

DESCRIPTION/SCOPE

This blanket authorization is for the purchase and installation of transformers associated with anticipated company-driven system work such as conversions, stepdown additions or upgrades, etc., or for the purchase of spare regulator or stepdown transformer inventory.

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2020.

Year 1st 6 mon % of Act
 2015 \$5,100 44%
 2016 \$0 0%
 2017 \$0 0%
 2018 \$0 0%
 2019 \$125,787 31%
 Ave \$26,177 15%

2020
 Budget amount - \$84,062.18
 1st six month auth - \$50,437.31
 % of total Budget- 60%
 Remaining Budget amount - \$33,624.87

JUSTIFICATION

Required for circuit conversion, stepdown changeouts, additions to working inventory or emergency spares, etc.

NOTES

AUTHORIZATION COMMENTS

UES Capital Construction Authorization

AUTH: **200105**

Date: **8/10/2020**

Budgeted Amount: **\$84,062.18**

Budget Item No: **BFBC20**
 Budget Year: **2020**
 Description: **Transformers Company/Conversions**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **8/10/2020 2:25:52 PM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **8/12/2020 9:09:16 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
8/10/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$310,000.00
8/10/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
8/11/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$310,000.00
8/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
8/11/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
8/11/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
8/11/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$310,000.00
8/11/2020	YES	Hurstak, Daniel <i>Controller</i>		
8/12/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised blanket authorization is for the purchase and installation of transformers associated with anticipated company-driven system work such as conversions, stepdown additions or upgrades, etc., or for the purchase of spare regulator or stepdown transformer inventory.

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$50,437.31
 1st six Months (Jan to June) Actuals \$309,420.00
 Total Budgeted Amount \$84,062.18
 Revised Authorization Amount \$310,000.00
 Variance \$ (225,937.82)

JUSTIFICATION

Required for circuit conversion, stepdown changeouts, additions to working inventory or emergency spares, etc.

NOTES

AUTHORIZATION COMMENTS

Many of the transformers for the Gulf St Substation conversion and associated circuits were received in 2020. Several large dual ratio pad mount transformers.

UES Capital Construction Authorization

Date: **12/1/2020**
Budgeted Amount: **\$84,062.18**

Budget Item No: BFBC20 Budget Year: 2020 Description: Transformers Company/Conversions Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Revision Sequence: 3 Status: Completed Initiated Date: 12/1/2020 12:39:48 PM Initiated By: Lloyd, Charles Finalized Date: 12/9/2020 12:59:12 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
12/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$406,130.00
12/4/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
12/4/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$406,130.00
12/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
12/8/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
12/9/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
12/9/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$406,130.00
12/9/2020	YES	Hurstak, Daniel <i>Controller</i>		
12/9/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This second revised blanket authorization is for the purchase and installation of transformers associated with anticipated company-driven system work such as conversions, stepdown additions or upgrades, etc., or for the purchase of spare regulator or stepdown transformer inventory.

Initial Authorization for first six months \$50,437.31
 1st six Months (Jan to June) Actuals \$309,420.00
 Total Budgeted Amount \$84,062.18
 Revised Authorization Amount \$310,000.00
 Second Rev Auth \$406,130.00
 Variance \$ (322,067.82)

JUSTIFICATION

Required for circuit conversion, stepdown changeouts, additions to working inventory or emergency spares, etc.

The large overage on the Company Transformer blanket is due to several reasons.

- 1 All the transformers for the Gulf St. conversion project were expected to arrive in 2019. 2020 was budgeted for a normal year with a handful of step transformer and regulator replacements. Due to extended lead times, a majority of the transformers did not arrive until Feb and March of 2020, These transformers were applied to the 2020 Blanket Authorization instead of 2019.
2. Transferred more load from Bridge St sub to The new Gulf St Sub than originally planned. This required the replacement of several large pad mount transformers in down town Concord.
3. Converted a small section of circuit 8X3 in Epsom in November 2020 , to accommodate a line extension for a new State Liquor Store. This project was not recognized and planned for in the 2020 budget.
4. Converted a small section of Cir 6X3 in Concord in Sept 2020, to accommodate the installation of a Viper Recloser to improve reliability and resiliency for the Concord Hospital. This project arose in 2020 due to resiliency concerns from Concord Hospital. This project was not recognized and planned for in the 2020 budget.

NOTES

AUTHORIZATION COMMENTS

Many of the transformers for the Gulf St Substation conversion and associated circuits were received in 2020. Several large dual ratio pad mount transformers were required to complete conversions.

Additional conversion work was performed in the 3rd quarter of 2020 to add more load to the new gulf St Sub and reduce load on Bridge St Sub.

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	BFBC20 Transformers Company/Conversions
Project Name:	Transformers Company/Conversions
Submitted By:	C. Lloyd
Project Categorizations	
Load, Voltage, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	56
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	28
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1352
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	42436
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1485
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	
Description/Scope	
This budget item is for the purchase and installation of transformers associated with anticipated company-driven system work such as conversions, stepdown additions or upgrades, etc., or for the purchase of spare regulator or stepdown transformer inventory. A listing is attached with this line item reflecting anticipated requirements for this year.	
Justification	
Required for circuit conversion, stepdown changeouts, additions to working inventory or emergency spares, etc.	

UES Capital Construction Authorization

AUTH: **200106**

Date: **2/3/2020**

Budgeted Amount: **\$741,403.57**

Budget Item No: **BGBC20**
Budget Year: **2020**
Description: **Transformer Customer Requirements**
Project Supervisor: **Lloyd, Charles**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Original**
Sequence: **1**
Status: **Completed**
Initiated Date: **2/3/2020 12:01:40 PM**
Initiated By: **Lloyd, Charles**
Finalized Date: **2/5/2020 7:31:06 AM**
Finalized By: **Lydon, Lisa**

APPROVALS

Action Date	Approved	Approver/Title
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>
2/4/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>
2/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>
2/4/2020	YES	Diggins, Todd <i>Director, Finance</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$340,304.24
Less Customer Contribution:	\$6,672.63
Net Authorized Cost:	\$333,631.61
Retirement:	\$0.00
Cost Of Removal:	\$0.00
Salvage:	\$0.00
Blanket Authorization Total:	\$340,304.24

DESCRIPTION/SCOPE

This blanket authorization covers the costs associated with expenditures as the result of purchasing and installation of transformers in order to service new customers or maintain service to existing customers.

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2020.

Year 1st 6 mon % of Act
 2015 \$197,900 34%
 2016 \$279,617 50%
 2017 \$281,254 32%
 2018 \$594,622 42%
 2019 \$278,400 27%
 Ave \$326,359 37%

2020
 Budget amount - \$741,403.57
 1st six month auth - \$333,631.61
 % of total Budget- 45%
 Remaining Budget amount - \$407,771.96

JUSTIFICATION

Provide and maintain service to customers. This covers customer-initiated projects requiring either new transformers or replacement of existing transformers (Customer Satisfaction).

NOTES

AUTHORIZATION COMMENTS

UES Capital Construction Authorization

AUTH: **200106**
Date: **8/10/2020**
Budgeted Amount: **\$741,403.57**

Budget Item No: BGBC20 Budget Year: 2020 Description: Transformer Customer Requirements Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 8/10/2020 2:11:12 PM Initiated By: Lloyd, Charles Finalized Date: 8/12/2020 9:09:29 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/10/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$898,620.00
8/10/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$17,620.00
8/11/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$881,000.00
8/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
8/11/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
8/11/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
8/11/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$898,620.00
8/11/2020	YES	Hurstak, Daniel <i>Controller</i>		
8/12/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised blanket authorization covers the costs associated with expenditures as the result of purchasing and installation of transformers in order to service new customers or maintain service to existing customers for the remainder of 2020.

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$333,631.61
 1st six Months (Jan to June) Actuals \$540,590.00
 Total Budgeted Amount \$741,403.57
 Revised Authorization Amount \$881,000.00
 Variance \$(139,596.43) or 119% of Budget

JUSTIFICATION

Provide and maintain service to customers. This covers customer-initiated projects requiring either new transformers or replacement of existing transformers (Customer Satisfaction).

NOTES

AUTHORIZATION COMMENTS

UES Capital Construction Authorization

AUTH: **200106**

Date: **5/25/2021**

Budgeted Amount: **\$741,403.57**

Budget Item No: **BGBC20**
 Budget Year: **2020**
 Description: **Transformer Customer Requirements**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Supplemental**
 Sequence: **3**
 Status: **Completed**
 Initiated Date: **5/25/2021 7:17:21 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **6/16/2021 9:58:27 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
5/25/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,186,440.54
5/25/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$23,263.24
5/25/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,163,177.30
5/26/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
5/26/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
5/25/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
5/26/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$1,186,440.54
6/1/2021	YES	Hurstak, Daniel <i>Controller</i>		
6/16/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This supplemental authorization covers the costs associated with expenditures as the result of purchasing and installation of transformers in order to service new customers or maintain service to existing customers for the remainder of 2020.

The total year projection was derived from actual expenditures for the full year 2020.

The unfavorable variance is due to higher than anticipated customer based growth on the system and increased purchasing costs due to the Global Pandemic.

Initial Authorization for first six months \$333,631.61
 1st six Months (Jan to June) Actuals \$540,590.00
 Total Budgeted Amount \$741,403.57
 Revised Authorization Amount \$881,000.00
 2nd revised Authorization Amount \$1,163,073
 Variance (\$421,773.43) or 157% of Budget

JUSTIFICATION

Provide and maintain service to customers. This covers customer-initiated projects requiring either new transformers or replacement of existing transformers (Customer Satisfaction).

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: BGBC20 Transformer Customer Requirements
Project Name: Transformer Customer Requirements
Submitted By: C. Lloyd

Project Categorizations

Customer Driven, Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	656
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	328
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1814
Material UG Electric Construction (from Stockroom):	2297
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	360500
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	33813
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	2
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	

Description/Scope

This budget item covers the costs associated with expenditures as the result of purchasing and installation of transformers in order to service new customers or maintain service to existing customers.

Justification

Provide and maintain service to customers. This covers customer-initiated projects requiring either new transformers or replacement of existing transformers (Customer Satisfaction).

UES Capital Construction Authorization

AUTH: 200107

Date: 2/3/2020

Budgeted Amount: \$466,552.92

Budget Item No: BIBC20
Budget Year: 2020
Description: Meter Blanket Customer Requirements
Project Supervisor: Willett, Scott
Crew Days: 0
Start Date:
Completion Date:

Type: Original
Sequence: 1
Status: Completed
Initiated Date: 2/3/2020 2:00:58 PM
Initiated By: Willett, Scott
Finalized Date: 2/7/2020 3:04:10 PM
Finalized By: Lydon, Lisa

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$466,552.92
2/6/2020	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Less Customer Contribution:	\$0.00
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$466,552.92
2/7/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
2/7/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$0.00
			Blanket Authorization Total:	\$466,552.92

DESCRIPTION/SCOPE

The installation of new metering and equipment for Customer driven projects.
 The installation of meters and metering apparatus both residential and commercial for the purpose of accurately measuring Kilowatt Hour consumption with regard to Unitil Company rates.

JUSTIFICATION

Meters and metering apparatus required to meet customer needs in the 2020 budget year.
 Metering and apparatus was derived from trending of 2018- 2019 data.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: BIBC20 Meters Customer Requirements
Project Name: Meter Blanket Customer Requirements
Submitted By: S Willett

Project Categorizations

Customer Driven

Project Estimates

Labor Time to Install (Man Hours):	560
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	2880
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	245534
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

The installation of new metering and equipment for Customer driven projects.
 The installation of meters and metering apparatus both residential and commercial for the purpose of accurately measuring Kilowatt Hour consumption with regard to Unitil Company rates.

Justification

Meters and metering apparatus required to meet customer needs in the 2020 budget year.
 Metering and apparatus was derived from trending of 2018- 2019 data.

UES Capital Construction Authorization

AUTH: 200108

Date: 2/3/2020

Budgeted Amount: \$174,888.28

Budget Item No: **BHBC20**
 Budget Year: **2020**
 Description: **Meter Blanket Company Requirements**
 Project Supervisor: **Willett, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/3/2020 2:00:04 PM**
 Initiated By: **Willett, Scott**
 Finalized Date: **2/7/2020 3:04:07 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$174,888.28
2/6/2020	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Less Customer Contribution:	\$0.00
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$174,888.28
2/7/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
2/7/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$0.00
			Blanket Authorization Total:	\$174,888.28

DESCRIPTION/SCOPE

This blanket covers the cost of all company related projects in the metering area.

JUSTIFICATION

This budget includes any company related metering expense and in addition any leftover conversions of traditional step metering to the new KV2c metering. This will give engineering much more real time data to improve the operations systems performance.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	BHBC20 Meters Company Requirements
Project Name:	Meter Blanket Company Requirements
Submitted By:	S Willett
Project Categorizations	
Load, Reliability, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	220
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	60
Transportation Expenses (Light Truck Miles):	720
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	88892
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
This blanket covers the cost of all company related projects in the metering area.	
Justification	
This budget includes any company related metering expense and in addition any leftover conversions of traditional step metering to the new KV2c metering. This will give engineering much more real time data to improve the operations systems performance.	

UES Capital Construction Authorization

AUTH: **200149**
Date: **2/3/2020**

Budgeted Amount: **\$646,838.15**

Budget Item No: **DPBC01**
 Budget Year: **2020**
 Description: **Distribution Pole Replacement**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/3/2020 1:30:04 PM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **2/10/2020 6:57:49 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS	ESTIMATED COST SUMMARY
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Action Date	Approved	Approver/Title	Description	Amount
2/5/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$646,838.15
2/5/2020	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
2/5/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$646,838.15
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$5,360.00
2/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$107,879.67
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$535.00
2/10/2020	YES	Diggins, Todd <i>Director, Finance</i>	CWO Total:	\$539,493.48
2/10/2020	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
2/10/2020	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This authorization covers the replacement of distribution poles and cross arms that have been identified by an annual testing by the Utility Plant Inspector. This also covers condemned poles identified by Consolidated Communications through their inspection program.

Condemned Poles Distribution \$269,746.74
 Condemned Poles Sub Transmission \$215,797.39
 Condemned Poles Tel Maintenance \$ 53,949.35

JUSTIFICATION

The justification for this budget item is to maintain a safe and reliable infrastructure. Also, to comply with the Unitil facility inspection bulletin.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201601	Condemned Poles Distribution	\$269,746.74
20201608	Condemned Poles Sub-Transmission	\$215,797.39
20201609	Condemned Poles Consolidated Maint.	\$53,949.35
	Total	\$539,493.48

UES Capital Construction Authorization

AUTH: **200110**

Date: **11/18/2020**

Budgeted Amount: **\$646,838.15**

Budget Item No: DPBC01 Budget Year: 2020 Description: Distribution Pole Replacement Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 11/18/2020 9:40:01 AM Initiated By: Lloyd, Charles Finalized Date: 11/20/2020 10:13:49 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
11/18/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,476,465.00
11/18/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
11/18/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,476,465.00
11/18/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$5,360.00
11/18/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$295,400.00
11/18/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$535.00
11/18/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$1,181,600.00
11/20/2020	YES	Hurstak, Daniel <i>Controller</i>		
11/20/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers additional expenditures for the replacement of distribution poles and cross arms that have been identified by an annual testing by the Utility Plant Inspector. This also covers condemned poles identified by Consolidated Communications through their inspection program. The added expenditures are due to replacing additional poles in an attempt to reduce the back log of distribution condemned poles.

Condemned Poles Distribution \$269,746.74
 Condemned Poles Sub Transmission \$215,797.39
 Condemned Poles Tel Maintenance \$ 53,949.35

JUSTIFICATION

The justification for this budget item is to maintain a safe and reliable infrastructure. Also, to comply with the Unitil facility inspection bulletin.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201601	Condemned Poles Distribution	\$972,000.00
20201608	Condemned Poles Sub-Transmission	\$136,000.00
20201609	Condemned Poles Consolidated Maint.	\$73,600.00
	Total	\$1,181,600.00

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	DPBC01 Distribution Projects
Project Name:	Distribution Pole Replacement
Submitted By:	C.Lloyd
Project Categorizations	
	Reliability, Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	873
Labor Time for Removal (Man Hours):	374
Transportation Expenses (Heavy Truck Hours):	624
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	51074
Material UG Electric Construction (from Stockroom):	2691
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	180447
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	5360
Salvage:	535
Description/Scope	
Replacement of distribution poles and cross arms that have been identified by an annual testing by the Utility Plant Inspector.	
Justification	
The justification for this budget item is to maintain a safe and reliable infrastructure. Also, to comply with the Unitil facility inspection bulletin.	

USC Service Authorization	Authorization No: S-000241 Date: 2/5/2020 Budgeted Amount: \$650,000.00
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Classification: Budgeted Budget Item No: GSC25 Budget Year: 2020 Project Name: Advanced Distribution Management System (ADMS) - Grid Mod Project Supervisor: Dusling, Jacob	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/5/2020 2:58:48 PM Initiated By: Dusling, Jacob Finalized Date: 3/12/2020 10:42:44 AM Finalized By: Laffond, Courtney
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/4/2020	YES	Laffond, Courtney <i>Plant Accountant</i>	Internal Labor:	\$125,000.00
3/4/2020	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Purchases:	\$250,000.00
3/4/2020	YES	Dusling, Jacob <i>Senior Distribution Engineer</i>	Contract Services:	\$1,575,000.00
3/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Other Specific Charges:	\$0.00
3/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Retirement:	\$0.00
3/4/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$0.00
3/5/2020	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>	Total Project Amount:	\$1,950,000.00
3/5/2020	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

Implement an Advanced Distribution Management System (ADMS) throughout the Unitil electric service territories (FG&E and UES). Unitil's existing OMS will be upgraded to an ADMS that will support VVO, CVR and power flow analysis. Additionally, ADMS will include a switch order module that will improve distribution system operating efficiencies.

In the future the AMDS will support distribution system automation, including automated distribution switching and fault location, isolation and service restoration (FLISR). The ADMS will also serve as a platform for more advanced modules such as a Distribution Energy Resource Management System (DERMS).

The existing system integrations with GIS, CIS, OMS and SCADA will be enhanced to provide the necessary technical information for ADMS to perform the functions described above

The ADMS hardware and platform will be utilized by both FG&E and UES. The implementation of the ADMS is proposed to be a phased approach. The first two years of this phased approach will focus on the implementation of ADMS in the FG&E territory with the later years focusing on UES and improving functionality in the FG&E territory.

ADMS Implementation is expected to be a multi-year project with an expected start year of 2020 and completion year of 2022.

Anticipated Spending by Year:
 2020: \$850,000
 2021: \$550,000
 2022: \$550,000

The CWO's associated with this project are listed below. The estimated cost below assumes at 32/68 cost split between FGE (32%) and UES (68%). The actual costs will be split between UES/FGE per the yearly split calculated by accounting.

CWO 1: ADMS Purchase and Implementation Year 1 (FGE) - \$240,000
 CWO 2: ADMS Purchase and Implementation Year 1 (UES) - \$510,000
 CWO 3: ADMS Unitil IT Hardware/Labor Year 1 (FGE) - \$32,000
 CWO 4: ADMS Unitil IT Hardware/Labor Year 1 (UES) - \$68,000
 CWO 5: ADMS Purchase and Implementation Year 2 (FGE) - \$160,000
 CWO 6: ADMS Purchase and Implementation Year 2 (UES) - \$340,000
 CWO 7: ADMS Unitil IT Hardware/Labor Year 2 (FGE) - \$16,000
 CWO 8: ADMS Unitil IT Hardware/Labor Year 2 (UES) - \$34,000
 CWO 9: ADMS Purchase and Implementation Year 3 (FGE) - \$160,000

CWO 10: ADMS Purchase and Implementation Year 3 (UES) - \$340,000

CWO 11: ADMS Unutil IT Hardware/Labor Year 3 (FGE) - \$16,000

CWO 12: ADMS Unutil IT Hardware/Labor Year 3 (UES) - \$34,000

JUSTIFICATION

This is part of the Grid Modernization plan filed with the DPU.

An ADMS is the next step in the evolution of distribution management systems. An ADMS integrates a comprehensive set of monitoring, analysis, control, planning, and informational tools that work together with one common network model. An ADMS merges existing OMS, DMS, circuit analysis, load flow, and SCADA systems together to provide all of the information in one location. An ADMS allows its users, operators, and dispatchers a real-time view of the distribution system. In order for the ADMS to provide benefits, it must be integrated with some of Unutil's other Grid Modernization initiatives including, the Field Area Network, Substation SCADA and VVO projects.

An ADMS system can provide many different functions such as (but not limited to) self-healing automation, control for distributed energy resources, additional SCADA functions across the distribution system, real-time load flow and circuit analysis, demand response, outage restoration, direct load control, network configuration, and VVO.

The ADMS will enable effective VVO/CVR, reducing customer energy consumption by 2% or more and is expected to reduce peak demand by the same amount. This will directly benefit customers by reducing their electricity bills. The ADMS will also improve reliability through the implementation of FLISR. The ADMS will serve as a platform for more advanced modules such as a DERMS.

NOTES

AUTHORIZATION COMMENTS

Year 1 - 68% UES & 32% FGE

C-200113-20202531 UES ADMS - Purchase & Implementation (Year 1) \$510,000

C-200113-20202532 UES ADMS - Unutil IT Hardware & Labor (Year 1) \$68,000

F-020030-20203358 FGE ADMS - Purchase & Implementation (Year 1) \$240,000

F-020030-20203359 FGE ADMS - Unutil IT Hardware & Labor (Year 1) \$32,000

Year 2 - 68% UES & 32% FGE

C-200113-20202533 UES ADMS - Purchase & Implementation (Year 2) \$340,000

C-200113-20202534 UES ADMS - Unutil IT Hardware & Labor (Year 2) \$34,000

F-020030-20203360 FGE ADMS - Purchase & Implementation (Year 2) \$160,000

F-020030-20203361 FGE ADMS - Unutil IT Hardware & Labor (Year 2) \$16,000

Year 3 - 68% UES & 32% FGE

C-200113-20202535 UES ADMS - Purchase & Implementation (Year 3) \$340,000

C-200113-20202536 UES ADMS - Unutil IT Hardware & Labor (Year 3) \$34,000

F-020030-20203362 FGE ADMS - Purchase & Implementation (Year 3) \$160,000

F-020030-20203363 FGE ADMS - Unutil IT Hardware & Labor (Year 3) \$16,000

USC Service Authorization	Authorization No: S-000241 Date: 5/14/2020 Budgeted Amount: \$650,000.00
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Classification: Budgeted Budget Item No: GSC25 Budget Year: 2020 Project Name: Advanced Distribution Management System (ADMS) - Grid Mod Project Supervisor: Dusling, Jacob	Type: Revision Sequence: 2 Status: Completed Initiated Date: 5/14/2020 9:33:54 PM Initiated By: Dusling, Jacob Finalized Date: 6/8/2020 1:35:09 PM Finalized By: Laffond, Courtney
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
5/21/2020	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Internal Labor:	\$125,000.00
5/22/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Purchases:	\$250,000.00
5/26/2020	YES	Dusling, Jacob <i>Senior Distribution Engineer</i>	Contract Services:	\$2,070,000.00
6/2/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Other Specific Charges:	\$0.00
6/1/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Retirement:	\$0.00
6/2/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
6/2/2020	YES	Hurstak, Daniel <i>Controller</i>	Total Project Amount:	\$2,445,000.00
6/3/2020	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		

DESCRIPTION/SCOPE

Implement an Advanced Distribution Management System (ADMS) throughout the Unutil electric service territories (FG&E and UES). Unutil's existing OMS will be upgraded to an ADMS that will support VVO, CVR and power flow analysis. Additionally, ADMS will include a switch order module that will improve distribution system operating efficiencies.

In the future the AMDS will support distribution system automation, including automated distribution switching and fault location, isolation and service restoration (FLISR). The ADMS will also serve as a platform for more advanced modules such as a Distribution Energy Resource Management System (DERMS).

The existing system integrations with GIS, CIS and OMS will be enhanced to provide the necessary technical information for ADMS to perform the functions described above.

The existing SCADA system will be transitioned from the existing SCADA master to the ABB SCADA master that is part of the ADMS platform.

The ADMS hardware and platform will be utilized by both FG&E and UES. The implementation of the ADMS is proposed to be a phased approach. The first two years of this phased approach will focus on the implementation of ADMS in the FG&E territory with the later years focusing on UES and improving functionality in the FG&E territory.

ADMS Implementation is expected to be a multi-year project with an expected start year of 2020 and completion year of 2022.

Anticipated Spending by Year:
 2020: \$875,000
 2021: \$940,000
 2022: \$640,000

The CWO's associated with this project are listed below.

The estimated cost in the following 16 CWOs assume at 32/68 cost split between FGE (32%) and UES (68%). The actual costs will be split between UES/FGE per the yearly split calculated by accounting.

CWO 1: ADMS Purchase and Implementation Year 1 (FGE) - \$160,000
 CWO 2: ADMS Purchase and Implementation Year 1 (UES) - \$340,000
 CWO 3: ADMS Unutil IT Hardware/Labor Year 1 (FGE) - \$32,000
 CWO 4: ADMS Unutil IT Hardware/Labor Year 1 (UES) - \$68,000
 CWO 5: ADMS Purchase and Implementation Year 2 (FGE) - \$240,000
 CWO 6: ADMS Purchase and Implementation Year 2 (UES) - \$510,000
 CWO 7: ADMS Unutil IT Hardware/Labor Year 2 (FGE) - \$16,000

- CWO 8: ADMS Unutil IT Hardware/Labor Year 2 (UES) - \$34,000
- CWO 9: ADMS Purchase and Implementation Year 3 (FGE) - \$160,000
- CWO 10: ADMS Purchase and Implementation Year 3 (UES) - \$340,000
- CWO 11: ADMS Unutil IT Hardware/Labor Year 3 (FGE) - \$16,000
- CWO 12: ADMS Unutil IT Hardware/Labor Year 3 (UES) - \$34,000
- CWO 13: ADMS SCADA Implementation Year 1 - Joint Costs (FGE) - \$73,600
- CWO 14: ADMS SCADA Implementation Year 1 - Joint Costs (UES) - \$156,400
- CWO 15: ADMS SCADA Implementation Year 2 - Joint Costs (FGE) - \$16,000
- CWO 16: ADMS SCADA Implementation Year 2 - Joint Costs (UES) - \$34,000

The cost of the following 3 CWOs will be assigned to FGE only as they are associated with portions of the project that only apply to FGE.

- CWO 17: ADMS SCADA Implementation Year 1 - FGE Costs Only (FGE) - \$45,000
- CWO 18: ADMS SCADA Implementation Year 2 - FGE Costs Only (FGE) - \$90,000
- CWO 19: ADMS SCADA Implementation Year 3 - FGE Costs Only (FGE) - \$90,000

JUSTIFICATION

This is part of the Grid Modernization plan filed with the DPU.

An ADMS is the next step in the evolution of distribution management systems. An ADMS integrates a comprehensive set of monitoring, analysis, control, planning, and informational tools that work together with one common network model. An ADMS merges existing OMS, DMS, circuit analysis, load flow, and SCADA systems together to provide all of the information in one location. An ADMS allows its users, operators, and dispatchers a real-time view of the distribution system. In order for the ADMS to provide benefits, it must be integrated with some of Unutil's other Grid Modernization initiatives including, the Field Area Network, Substation SCADA and VVO projects.

An ADMS system can provide many different functions such as (but not limited to) self-healing automation, control for distributed energy resources, additional SCADA functions across the distribution system, real-time load flow and circuit analysis, demand response, outage restoration, direct load control, network configuration, and VVO.

The ADMS will enable effective VVO/CVR, reducing customer energy consumption by 2% or more and is expected to reduce peak demand by the same amount. This will directly benefit customers by reducing their electricity bills. The ADMS will also improve reliability through the implementation of FLISR. The ADMS will serve as a platform for more advanced modules such as a DERMS.

The decision to transition the existing SCADA master to the ABB SCADA master that is part of the ADMS platform will reduce total owning cost by requiring the maintenance of one system instead of two. This will improve operator efficiency due to operators utilizing one system for all ADMS functionality instead of ADMS and a separate SCADA system. Having SCADA as part of the ADMS platform will enhance ADMS functionality, such as system tagging and switch order management.

NOTES

AUTHORIZATION COMMENTS

5/14/20 - Revised to include SCADA Transition and update yearly spending estimates.

Year 1 - 68% UES & 32% FGE CWOs

- C-200113-20202531 UES ADMS - Purchase & Implementation (Year 1) \$340,000
- C-200113-20202532 UES ADMS - Unutil IT Hardware & Labor (Year 1) \$68,000
- C-200113-20202543 - UES ADMS - SCADA Implementation (Year 1) \$156,400

- F-020030-20203358 FGE ADMS - Purchase & Implementation (Year 1) \$160,000
- F-020030-20203359 FGE ADMS - Unutil IT Hardware & Labor (Year 1) \$32,000
- F-020030-20203370 - FGE ADMS - SCADA Implementation (Year 1) \$73,600

Year 1 - 100% FGE CWOs

- F-020030-20203371 - FGE ADMS - FGE Only SCADA Implementation (Year 1) \$45,000

Year 2 - 68% UES & 32% FGE

- C-200113-20202533 UES ADMS - Purchase & Implementation (Year 2) \$510,000
- C-200113-20202534 UES ADMS - Unutil IT Hardware & Labor (Year 2) \$34,000
- C-200113-20202544 - UES ADMS - SCADA Implementation (Year 2) \$34,000

- F-020030-20203360 FGE ADMS - Purchase & Implementation (Year 2) \$240,000
- F-020030-20203361 FGE ADMS - Unutil IT Hardware & Labor (Year 2) \$16,000
- F-020030-20203372 - FGE ADMS - SCADA Implementation (Year 2) \$16,000

Year 2 - 100% FGE CWOs

- F-020030-20203373 - FGE ADMS - FGE Only SCADA Implementation (Year 2) \$90,000

Year 3 - 68% UES & 32% FGE

C-200113-20202535 UES ADMS - Purchase & Implementation (Year 3) \$340,000

C-200113-20202536 UES ADMS - Unutil IT Hardware & Labor (Year 3) \$34,000

F-020030-20203362 FGE ADMS - Purchase & Implementation (Year 3) \$160,000

F-020030-20203363 FGE ADMS - Unutil IT Hardware & Labor (Year 3) \$16,000

Year 3 - 100% FGE CWOs

F-020030-20203374 - FGE ADMS - FGE Only SCADA Implementation (Year 3) \$90,000

Capital Budget 2020 Unutil Service Corp

Item Description

Classification: Budgeted
Year: 2020
Company: Unutil Service Corp
Status: [A] Accepted
Priority: 2
Budget Number: GSC25
Budget Category: Software/System
Item Name: Advanced Distribution Management System (ADMS) - Grid Mod
Submitted By: Dusling, Jacob
Principal Engineer
Entered By: Dusling, Jacob on 8/7/2019 10:39:23 AM
Principal Engineer
Status Changed By: Clark, Karen on 1/14/2020 2:44:27 PM
IT Project Manager

Estimates

Internal Labor (\$):	100000
Purchases (\$):	
Contract Services (\$):	550000
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

Implement an Advanced Distribution Management System (ADMS) throughout the Unutil electric service territories (FG& and UES). ADMS will be integrated or replace Unutil's existing OMS and SCADA systems ADMS will be integrated with Unutil's existing GIS system. The ADMS will support VVO, CVR, power flow analysis, distribution system automation, including automatic distribution switching and fault location, isolation and service restoration (FLISR). The ADMS will also serve as a platform for more advanced modules in the future such as a Distribution Energy Resource Management System (DERMS). These more advanced features are currently out of the scope of the current ADMS project, however the selected ADMS platform shall be capable of these features in the future.

The ADMS hardware and platform will be utilized by both FG&E and UES. The implementation of the ADMS is proposed to be a phased approach. The first two years of this phased approach will focus on the implementation of ADMS in the FG&E territory with the later years focusing on UES and improving functionality in the FG&E territory.

ADMS Implementation is expected to be a multi-year project with an expected start year of 2020 and completion year of 2022. Additional functionality is planned beyond 2022 in FG&E (these projects are budgeted as FG&E only budget items).

Justification

This is part of the Grid Modernization plan filed with the DPU.

An ADMS is the next step in the evolution of distribution management systems. An ADMS integrates a comprehensive set of monitoring, analysis, control, planning, and informational tools that work together with one common network model. An ADMS merges existing OMS, ADMS, circuit analysis, load flow, and SCADA systems together to provide all of the information to one location. An ADMS allows its users, operators, and dispatchers a real-time view of the distribution system. In order for the ADMS to provide benefits, it must be integrated with some of Unutil's other Grid Modernization initiatives including, the Field Area Network, Substation SCADA and VVO projects.

An ADMS system can provide many different functions such as (but not limited to) self-healing automation, control for distributed energy resources, additional SCADA functions across the distribution system, real-time load flow and circuit analysis, demand response, outage restoration, direct load control, network configuration, and VVO.

The ADMS will enable effective VVO/CVR, reducing customer energy consumption by 2% or more and is expected to reduce peak demand by the same amount. This will directly benefit customers by reducing their electricity bills. The ADMS will also improve reliability through the implementation of FLISR. The ADMS will serve as a platform for more advanced modules such as a DERMS.

Capital Budget 2021 Unitil Service Corp

Item Description

Classification: Budgeted
Year: 2021
Company: Unitil Service Corp
Status: [A] Accepted
Priority: 2
Budget Number: GSC16
Budget Category: Software/System
Item Name: Advanced Distribution Management System (ADMS) - Grid Mod
Submitted By: Dusling, Jacob
Principal Engineer
Entered By: Dusling, Jacob on 8/7/2019 10:39:40 AM
Principal Engineer
Status Changed By: Clark, Karen on 1/6/2021 7:07:56 PM
IT Project Manager

Estimates

Internal Labor (\$):	75000
Purchases (\$):	75000
Contract Services (\$):	880000
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

Implement an Advanced Distribution Management System (ADMS) throughout the Unitil electric service territories (FG& and UES). ADMS will be integrated or replace Unitil's existing OMS and SCADA systems ADMS will be integrated with Unitil's existing GIS system. The ADMS will support VVO, CVR, power flow analysis, distribution system automation, including automatic distribution switching and fault location, isolation and service restoration (FLISR). The ADMS will also serve as a platform for more advanced modules in the future such as a Distribution Energy Resource Management System (DERMS). These more advanced features are currently out of the scope of the current ADMS project, however the selected ADMS platform shall be capable of these features in the future.

The ADMS hardware and platform will be utilized by both FG&E and UES. The implementation of the ADMS is proposed to be a phased approach. The first two years of this phased approach will focus on the implementation of ADMS in the FG&E territory with the later years focusing on UES and improving functionality in the FG&E territory.

ADMS Implementation is expected to be a multi-year project with an expected start year of 2020 and completion year of 2023. Additional functionality is planned beyond 2023 in FG&E and UES (these projects will be budgeted as part of VVO/SCADA budget items in the DOC budgets).

Justification

This is part of the Grid Modernization plan filed with the DPU.

An ADMS is the next step in the evolution of distribution management systems. An ADMS integrates a comprehensive set of monitoring, analysis, control, planning, and informational tools that work together with one common network model. An ADMS merges existing OMS, ADMS, circuit analysis, load flow, and SCADA systems together to provide all of the information to one location. An ADMS allows its users, operators, and dispatchers a real-time view of the distribution system. In order for the ADMS to provide benefits, it must be integrated with some of Unitil's other Grid Modernization initiatives including, the Field Area Network, Substation SCADA and VVO projects.

An ADMS system can provide many different functions such as (but not limited to) self-healing automation, control for distributed energy resources, additional SCADA functions across the distribution system, real-time load flow and circuit analysis, demand response, outage restoration, direct load control, network configuration, and VVO.

The ADMS will enable effective VVO/CVR, reducing customer energy consumption by 2% or more and is expected to reduce peak demand by the same amount. This will directly benefit customers by reducing their electricity bills. The ADMS will also improve reliability through the implementation of FLISR. The ADMS will serve as a platform for more advanced modules such as a DERMS.

UES Capital Construction Authorization

AUTH: **200117**
Date: **2/3/2020**
Budgeted Amount: **\$7,000.00**

Budget Item No: **EBBC01**
Budget Year: **2020**
Description: **Lab Equipment - Normal Additions and Replacements**
Project Supervisor: **Willett, Scott**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Original**
Sequence: **1**
Status: **Completed**
Initiated Date: **2/3/2020 1:21:16 PM**
Initiated By: **Willett, Scott**
Finalized Date: **2/5/2020 7:31:12 AM**
Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$7,000.00
2/4/2020	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Less Customer Contribution:	\$0.00
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$7,000.00
2/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$7,000.00

DESCRIPTION/SCOPE

This covers unscheduled additions and replacements of lab instruments, test equipment, etc.

JUSTIFICATION

Ensure adequate measurement and testing capabilities to meet service expectations and regulatory requirements.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20202507	Lab Equipment - Normal Additions and Replacements	\$7,000.00
Total		\$7,000.00

Printed: 2/6/2022 8:19:51 AM

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	EBBC01 Laboratory
Project Name:	Lab Equipment - Normal Additions and Replacements
Submitted By:	S Willett
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	<input type="text"/>
Labor Time for Removal (Man Hours):	<input type="text"/>
Transportation Expenses (Heavy Truck Hours):	<input type="text"/>
Transportation Expenses (Light Truck Miles):	<input type="text"/>
Material OH Electric Construction (from Stockroom):	<input type="text"/>
Material UG Electric Construction (from Stockroom):	<input type="text"/>
Material Gas Construction (from Stockroom):	<input type="text"/>
Material Direct Charge (Ordered directly to job.):	<input type="text"/>
Material Hot Water Heaters:	<input type="text"/>
Contract Labor Hours (Man Hours):	<input type="text"/>
Contract Services:	<input type="text"/>
Other Specific Charges (\$):	7000
Overhead on Specific Charges (%):	<input type="text"/>
Customer Contribution (%) (before OH's applied):	<input type="text"/>
EDP? (Yes or No):	??
Retirement:	<input type="text"/>
Salvage:	<input type="text"/>
Description/Scope	
This covers unscheduled additions and replacements of lab instruments, test equipment, etc.	
Justification	
Ensure adequate measurement and testing capabilities to meet service expectations and regulatory requirements.	

UES Capital Construction Authorization

AUTH: 200124

Date: 2/4/2020

Budgeted Amount: \$721,846.64

Budget Item No: **DPBC07**
 Budget Year: **2020**
 Description: **Conversion in Downtown Concord - Part 2**
 Project Supervisor: **Balch, Stanley**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/4/2020 1:32:45 PM**
 Initiated By: **Balch, Stanley**
 Finalized Date: **2/24/2020 7:34:23 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/18/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$721,846.64
2/20/2020	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
2/19/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$721,846.64
2/19/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
2/21/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$144,369.00
2/21/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
2/21/2020	YES	Diggins, Todd <i>Director, Finance</i>	CWO Total:	\$577,477.64
2/21/2020	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
2/23/2020	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This is part 2 of the Downtown Conversion Project. Circuit 1H1 out of Bridge Street substation will be converted to 13.77.97kV. The current spacer out of Bridge Street substation will be fed from one the new Gulf Street 13.8/7.97kV circuits. Storrs Street will be re-insulated and Depot Street and Kennedy Lane will need to be reinsulated and re-conducted. This will provide a back-up to the radial underground that feeds from Storrs Street to South Main Street. The additional scope is to finish the conversion work, connecting circuits to their new circuit positions, and tapping other already installed devices.

The scope of this project has expanded. Additional conversion work is necessary for 1H1 and there are two new 13.8kV circuits instead of one.

Additional work includes: padmount transformer replacements, new switch installations, and building new circuit getaways from the converted Gulf St substation.

In addition to the distribution work to be done, some of the funds in this budget item are referenced in Auth #190198, which is the sub-transmission/374 line right-of-way rebuild portion of the overall Gulf St Conversion Project.

JUSTIFICATION

Development in the city of Concord expected to be in service by summer of 2020 requires infrastructure upgrades.

Two buildings at the corner of S. State St. and Pleasant St. in Concord are in the process of being renovated into apartments and retail space. Modeling shows that the additional load will cause the 2/0 ACSR and #2 Cu to be overloaded in the summer of 2019.

The 2/0 ACSR and the #2 Cu is expected to be loaded to 102% and 114%, respectively, of their summer normal amp rating. Voltage may also be as low as 116V in 2019. Converting the circuit will eliminate these issues and prepare for the conversion to a higher voltage class.

Phase swaps have been completed where possible to defer the conversion to 2020.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201606	Conversion in Downtown Concord - Part 2	\$577,477.64
	Total	\$577,477.64

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: DPBC07 Distribution Projects
Project Name: Conversion in Downtown Concord - Part 2
Submitted By: T. Glueck/C. Lloyd

Project Categorizations

Load, Voltage

Project Estimates

Labor Time to Install (Man Hours):	514
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	257
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	57548
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	91311
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	194564
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	

Description/Scope

This is part 2 of the downtown conversion project. The scope is to finish the conversion work, particularly switching the transformer dual ratio switch, connecting circuits to their new circuit positions, and tapping other already installed devices.

The scope of this project has expanded. Additional conversion work is necessary for 1H1 and there are two new 13.8kV circuits instead of one.

Additional work includes: padmount transformer replacements, new switch installations, and building new circuit getaways from the converted Gulf St substation.

In addition to the distribution work to be done, some of the funds in this budget item are referenced in Auth #190198, which is the sub-transmission/374 line right-of-way rebuild portion of the overall Gulf St Conversion Project.

Justification

Development in the city of Concord expected to be in service by summer of 2020 requires infrastructure upgrades.

Two buildings at the corner of S. State St. and Pleasant St. in Concord are in the process of being renovated into apartments and retail space. Modeling shows that the additional load will cause the 2/0 ACSR and #2 Cu to be overloaded in the summer of 2019.

The 2/0 ACSR and the #2 Cu is expected to be loaded to 102% and 114%, respectively, of their summer normal amp rating. Voltage may also be as low as 116V in 2019. Converting the circuit will eliminate these issues and prepare for the conversion to a higher voltage class.

Phase swaps have been completed where possible to defer the conversion to 2020.

UES Capital Construction Authorization

AUTH: **200126**
Date: **2/5/2020**
Budgeted Amount: **\$3,500.00**

Budget Item No: **EAEC02**
Budget Year: **2020**
Description: **Purchase and Replace Hot Line Tools**
Project Supervisor: **Lloyd, Charles**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Original**
Sequence: **1**
Status: **Completed**
Initiated Date: **2/5/2020 7:52:32 AM**
Initiated By: **Lloyd, Charles**
Finalized Date: **2/10/2020 6:57:46 PM**
Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/5/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$3,500.00
2/5/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$3,500.00
2/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$3,500.00

DESCRIPTION/SCOPE

This authorization covers the cost associated with additions and replacement of hot-line equipment such as: hot sticks, shot guns, link sticks, and insulated tools.

JUSTIFICATION

These tools are used to maintain material and equipment on energized distribution and transmission lines to ensure adequate safety clearances.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20202513	Purchase and Replace Hot Line Tools	\$3,500.00
	Total	\$3,500.00

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	EAEC02 Tools, Shop, Garage
Project Name:	Purchase and Replace Hot Line Tools
Submitted By:	C. Lloyd
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	<input type="text"/>
Labor Time for Removal (Man Hours):	<input type="text"/>
Transportation Expenses (Heavy Truck Hours):	<input type="text"/>
Transportation Expenses (Light Truck Miles):	<input type="text"/>
Material OH Electric Construction (from Stockroom):	<input type="text"/>
Material UG Electric Construction (from Stockroom):	<input type="text"/>
Material Gas Construction (from Stockroom):	<input type="text"/>
Material Direct Charge (Ordered directly to job.):	3500
Material Hot Water Heaters:	<input type="text"/>
Contract Labor Hours (Man Hours):	<input type="text"/>
Contract Services:	<input type="text"/>
Other Specific Charges (\$):	<input type="text"/>
Overhead on Specific Charges (%):	<input type="text"/>
Customer Contribution (%) (before OH's applied):	<input type="text"/>
EDP? (Yes or No):	No
Retirement:	<input type="text"/>
Salvage:	<input type="text"/>
Description/Scope	
This project covers the cost associated with additions and replacement of hot-line equipment such as: hot sticks, shot guns, link sticks, and insulated tools.	
Justification	
These tools are used to maintain material and equipment on energized distribution and transmission lines to ensure adequate safety clearances.	

UES Capital Construction Authorization

AUTH: 200427

Date: 2/5/2020

Budgeted Amount: \$14,000.00

Budget Item No: **EAEC03**
 Budget Year: **2020**
 Description: **Tools, Shop & Garage - Normal Additions and Replacements**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/5/2020 7:55:31 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **2/10/2020 6:57:45 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS	ESTIMATED COST SUMMARY
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Action Date	Approved	Approver/Title	Description	Amount
2/5/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$14,000.00
2/5/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$14,000.00
2/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$14,000.00

DESCRIPTION/SCOPE

This authorization covers the cost of unscheduled additions and replacements of tools and equipment normally utilized by Line Dept., Garage and Stockroom.

JUSTIFICATION

Allows for replacement of failed and broken tools and any addition that may be needed.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20202514	Tools, Shop & Garage - Normal Additions and Replacements	\$14,000.00
	Total	\$14,000.00

UES Capital Construction Authorization

AUTH: **200127**

Date: **12/1/2020**

Budgeted Amount: **\$14,000.00**

Budget Item No: EAEC03 Budget Year: 2020 Description: Tools, Shop & Garage - Normal Additions and Replacements Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 12/1/2020 12:17:09 PM Initiated By: Lloyd, Charles Finalized Date: 12/7/2020 2:56:38 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
12/2/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$20,500.00
12/2/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
12/2/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$20,500.00
12/3/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
12/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
12/4/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
12/4/2020	YES	Hurstak, Daniel <i>Controller</i>	CWO Total:	\$20,500.00
12/6/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the cost of unscheduled additions and replacements of tools and equipment normally utilized by Line Dept., Garage and Stockroom.

This revision is due to purchasing Climbing gear and harnesses for 3 new linemen, hired in the 4th quarter of 2019 and the 1st quarter of 2020.

JUSTIFICATION

Allows for replacement of failed and broken tools and any addition that may be needed.

NOTES

Approx \$2500.00 to outfit each line worker with climbing gear and fall arrest system.

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20202514	Tools, Shop & Garage - Normal Additions and Replacements	\$20,500.00
	Total	\$20,500.00

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	EAEC03 Tools, Shop, Garage
Project Name:	Tools, Shop & Garage - Normal Additions and Replacements
Submitted By:	C.Lloyd
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	<input type="text"/>
Labor Time for Removal (Man Hours):	<input type="text"/>
Transportation Expenses (Heavy Truck Hours):	<input type="text"/>
Transportation Expenses (Light Truck Miles):	<input type="text"/>
Material OH Electric Construction (from Stockroom):	<input type="text"/>
Material UG Electric Construction (from Stockroom):	<input type="text"/>
Material Gas Construction (from Stockroom):	<input type="text"/>
Material Direct Charge (Ordered directly to job.):	14000
Material Hot Water Heaters:	<input type="text"/>
Contract Labor Hours (Man Hours):	<input type="text"/>
Contract Services:	<input type="text"/>
Other Specific Charges (\$):	<input type="text"/>
Overhead on Specific Charges (%):	<input type="text"/>
Customer Contribution (%) (before OH's applied):	<input type="text"/>
EDP? (Yes or No):	??
Retirement:	<input type="text"/>
Salvage:	<input type="text"/>
Description/Scope	
This covers the cost of unscheduled additions and replacements of tools and equipment normally utilized by Line Dept., Garage and Stockroom.	
Justification	
Allows for replacement of failed and broken tools and any addition that may be needed.	

UES Capital Construction Authorization

AUTH: 200430
Date: 2/7/2020

Budgeted Amount: \$10,000.00

Budget Item No: EAEC05
Budget Year: 2020
Description: Normal Additions and Replacements - Tools and Equipment - Substation
Project Supervisor: Jacobs, Andrew
Crew Days: 0
Start Date:
Completion Date:

Type: Original
Sequence: 1
Status: Completed
Initiated Date: 2/7/2020 9:46:39 AM
Initiated By: Jacobs, Andrew
Finalized Date: 2/11/2020 10:47:03 AM
Finalized By: Lydon, Lisa

APPROVALS

Action Date	Approved	Approver/Title
2/7/2020	YES	Lydon, Lisa <i>Plant Accountant</i>
2/11/2020	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>
2/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$10,000.00
Less Customer Contribution:	\$0.00
Net Authorized Cost:	\$10,000.00
Retirement:	\$0.00
Cost Of Removal:	\$0.00
Salvage:	\$0.00
CWO Total:	\$10,000.00

DESCRIPTION/SCOPE

Purchase new tools or replace existing as required.

JUSTIFICATION

This project is required to maintain the ability to perform construction, maintenance and testing activities or improve work practices and productivity.

Covered Trailer: The substation crew in capital has a normal bucket truck for their vehicle, and it lacks any kind of significant covered storage like the other DOC's box trucks provide. This would give us the ability to store and transport more of our material, tools, and our increasingly expensive and sensitive test equipment in a way that protects them from being exposed to the elements.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20202516	Normal Additions and Replacements - Tools and Equipment - Substation	\$10,000.00
	Total	\$10,000.00

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	EAEC05 Tools, Shop, Garage
Project Name:	Normal Additions and Replacements - Tools and Equipment - Substation
Submitted By:	A. Jacobs
Project Categorizations	
	Repair/Replacement, Other
Project Estimates	
Labor Time to Install (Man Hours):	<input type="text"/>
Labor Time for Removal (Man Hours):	<input type="text"/>
Transportation Expenses (Heavy Truck Hours):	<input type="text"/>
Transportation Expenses (Light Truck Miles):	<input type="text"/>
Material OH Electric Construction (from Stockroom):	<input type="text"/>
Material UG Electric Construction (from Stockroom):	<input type="text"/>
Material Gas Construction (from Stockroom):	<input type="text"/>
Material Direct Charge (Ordered directly to job.):	<input type="text"/>
Material Hot Water Heaters:	<input type="text"/>
Contract Labor Hours (Man Hours):	<input type="text"/>
Contract Services:	<input type="text"/>
Other Specific Charges (\$):	10000
Overhead on Specific Charges (%):	<input type="text"/>
Customer Contribution (%) (before OH's applied):	<input type="text"/>
EDP? (Yes or No):	??
Retirement:	<input type="text"/>
Salvage:	<input type="text"/>
Description/Scope	
Purchase new tools or replace existing as required.	
Justification	
This project is required to maintain the ability to perform construction, maintenance and testing activities or improve work practices and productivity.	
Covered Trailer: The substation crew in capital has a normal bucket truck for their vehicle, and it lacks any kind of significant covered storage like the other DOC's box trucks provide. This would give us the ability to store and transport more of our material, tools, and our increasingly expensive and sensitive test equipment in a way that protects them from being exposed to the elements.	

UES Capital Construction Authorization

AUTH: 200132

Date: 2/7/2020

Budgeted Amount: \$56,007.54

Budget Item No: SPBC07
Budget Year: 2020
Description: Substation Stone Installation at W Portsmouth and Bow Bog S/S
Project Supervisor: Jacobs, Andrew
Crew Days: 0
Start Date:
Completion Date:

Type: Original
Sequence: 1
Status: Completed
Initiated Date: 2/7/2020 10:09:02 AM
Initiated By: Jacobs, Andrew
Finalized Date: 2/18/2020 9:12:25 AM
Finalized By: Lydon, Lisa

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$56,007.54
2/11/2020	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$56,007.54
2/14/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
2/14/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$56,007.54

DESCRIPTION/SCOPE

This project is to install stone at West Portsmouth and Bow Bog S/S

JUSTIFICATION

The crushed stone at this substation doesn't provide adequate coverage for step potential. Additionally, there are gaps under the fence that need to be filled.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201611	Substation Stone Installation at W Portsmouth and Bow Bog S/S	\$56,007.54
Total		\$56,007.54

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	SPBC07 Substation Project
Project Name:	Substation Stone Installation at W Portsmouth and Bow Bog S/S
Submitted By:	A. Jacobs
Project Categorizations	
	Safety, Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	48
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	24
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	30000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
This project is to install stone at West Portsmouth and Bow Bog S/S	
Justification	
The crushed stone at this substation doesn't provide adequate coverage for step potential. Additionally, there are gaps under the fence that need to be filled.	

USC Service Authorization	Authorization No: S-000243 Date: 2/10/2020 Budgeted Amount: \$1,389,451.00
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Classification: Budgeted Budget Item No: GPC11 Budget Year: 2020 Project Name: 2020 IT Infrastructure Budget Project Supervisor: Darnell, Shane	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/10/2020 11:40:28 AM Initiated By: Clark, Karen Finalized Date: 3/31/2020 8:28:19 AM Finalized By: Laffond, Courtney
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/25/2020	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Internal Labor:	\$34,440.00
3/26/2020	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Purchases:	\$1,086,711.00
3/26/2020	YES	Darnell, Shane <i>Director, IT Infrastructure</i>	Contract Services:	\$268,300.00
3/26/2020	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Other Specific Charges:	\$0.00
3/26/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Retirement:	\$0.00
3/26/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$0.00
3/26/2020	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>	Total Project Amount:	\$1,389,451.00

DESCRIPTION/SCOPE

This authorization includes replacement of IT asset purchases as outlined in the IT 1.01 Asset Management Policy. Generally this requires most PC and laptop assets be replaced on a 5/year replacement cycle; critical server, storage and firewalls are on a 5-year replacement cycle; and larger assets replaced as needed to maintain integrity of systems and minimizing financial risk to the Company from asset obsolescence or loss.

- Of particular interest this year:
- 1) Network: Replacement of Cisco 2960 and 300 Switches, Upgrade of wireless networks and Sonic Wall firewalls at 5 sites; and upgrade of Sonic Wall Management console
 - 2) Servers: Replacement of 20 servers reaching end of life (5 years); purchase of 2 Compellent 50 TB drives for Seacoast and Portsmouth; finishing the upgrade of the enQuesta server; upgrade of both OMS and SharePoint servers; and upgrade to Highly Available server environments for our critical business applications
 - 3) PC's: replacement of aging equipment, licensing renewals and desktop equipment for 150 users

Estimates:

Internal Labor \$39,300

Network \$253,367

Servers/Desktops \$845,484

IT Consulting \$251,300

Total Infrastructure \$1,389,451

JUSTIFICATION

Aging infrastructure and hardware require these purchases.

NOTES

AUTHORIZATION COMMENTS

UES 31% C-200134-20202517 430,729.81
 FGE 25% F-020051-20203335 347,362.75
 NU-NH 19% N-020019-00200006 263,995.69
 NU-ME 23% M-020028-00200007 319,573.73
 GSG 2% T-020008-00200003 27,789.02

USC Service Authorization	Authorization No: S-000243 Date: 12/7/2020 Budgeted Amount: \$1,389,451.00
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Classification: Budgeted Budget Item No: GPC11 Budget Year: 2020 Project Name: 2020 IT Infrastructure Budget Project Supervisor: Darnell, Shane	Type: Revision Sequence: 2 Status: Completed Initiated Date: 12/7/2020 2:08:35 PM Initiated By: Darnell, Shane Finalized Date: 1/11/2021 12:21:36 PM Finalized By: Laffond, Courtney
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
12/9/2020	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Internal Labor:	\$154,440.00
12/9/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Purchases:	\$1,275,287.00
12/9/2020	YES	Darnell, Shane <i>Director, IT Infrastructure</i>	Contract Services:	\$318,300.00
12/9/2020	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Other Specific Charges:	\$0.00
12/9/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Retirement:	\$0.00
12/9/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
12/11/2020	YES	Hurstak, Daniel <i>Controller</i>	Total Project Amount:	\$1,748,027.00
12/11/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This authorization includes replacement of IT asset purchases as outlined in the IT 1.01 Asset Management Policy. Generally this requires most PC and laptop assets be replaced on a 5/year replacement cycle; critical server, storage and firewalls are on a 5-year replacement cycle; and larger assets replaced as needed to maintain integrity of systems and minimizing financial risk to the Company from asset obsolescence or loss.

Of particular interest this year:

- 1) Network: Replacement of Cisco 2960 and 300 Switches, Upgrade of wireless networks and Sonic Wall firewalls at 5 sites; and upgrade of Sonic Wall Management console
- 2) Servers: Replacement of 20 servers reaching end of life (5 years); purchase of 2 Compellent 50 TB drives for Seacoast and Portsmouth; finishing the upgrade of the enQuesta server; upgrade of both OMS and SharePoint servers; and upgrade to Highly Available server environments for our critical business applications
- 3) PC's: replacement of aging equipment, licensing renewals and desktop equipment for 150 users

Estimates:

Internal Labor \$39,300

Network \$253,367

Servers/Desktops \$845,484

IT Consulting \$251,300

Total Infrastructure \$1,389,451

JUSTIFICATION

December 7, 2020 Revision:

Infrastructure is submitting a revision to the 2020 capital budget primarily for the following reasons;

- 1) Unexpected Oracle audit findings, additional payments & premier support - \$188,576
- 2) Unbudgeted INTERNAL LABOR costs for PM resources on server replacements - ~\$120,000 (estimated)
- 3) Unexpected consulting needs for Multi-Factor & Mobile Device Management - ~\$50,000 (estimated)

The original IT Infrastructure budget was \$1,389,451 and the estimated revision should be for \$1,748,027 or \$358,576 over budget.

NOTES

AUTHORIZATION COMMENTS

UES 31% C-200134-20202517 430,729.81
FGE 25% F-020051-20203335 347,362.75
NU-NH 19% N-020019-00200006 263,995.69
NU-ME 23% M-020028-00200007 319,573.73
GSG 2% T-020008-00200003 27,789.02

REVISED:

UES 31% C-200134-20202517 \$541,888.37
FGE 25% F-020051-20203335 \$437,006.75
NU-NH 19% N-020019-00200006 \$332,125.13
NU-ME 23% M-020028-00200007 \$402,046.21
GSG 2% T-020008-00200003 \$34,960.54

Capital Budget 2020 Unutil Service Corp

Item Description

Classification: Budgeted
Year: 2020
Company: Unutil Service Corp
Status: [A] Accepted
Priority: 2
Budget Number: GPC11
Budget Category: PC & Network
Item Name: 2020 IT Infrastructure Budget
Submitted By: Darnell, Shane
Director, IT Infrastructure
Entered By: Darnell, Shane on 8/8/2019 9:00:11 AM
Director, IT Infrastructure
Status Changed By: Haynes, Jeremy on 3/25/2020 3:04:36 PM
Director, Enterprise IT Systems

Estimates

Internal Labor (\$):	39300
Purchases (\$):	1098851
Contract Services (\$):	251300
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

This authorization includes replacement of IT asset purchases as outlined in the IT 1.01 Asset Management Policy. Generally this requires most PC and laptop assets be replaced on a 5/year replacement cycle; critical server, storage and firewalls are on a 5-year replacement cycle; and larger assets replaced as needed to maintain integrity of systems and minimizing financial risk to the Company from asset obsolescence or loss.

Of particular interest this year:

- 1) Network: Replacement of Cisco 2960 and 300 Switches, Upgrade of wireless networks and Sonic Wall firewalls at 5 sites; and upgrade of Sonic Wall Management console
- 2) Servers: Replacement of 20 servers reaching end of life (5 years); purchase of 2 Compellent 50 TB drives for Seacoast and Portsmouth; finishing the upgrade of the enQuesta server; upgrade of both OMS and SharePoint servers; and upgrade to Highly Available server environments for our critical business applications
- 3) PC's: replacement of aging equipment, licensing renewals and desktop equipment for 150 users

Estimates:

Internal Labor \$39,300
 Network \$253,367
 Servers/Desktops \$845,484
 IT Consulting \$251,300
 Total Infrastructure \$1,389,451

Justification

USC Service Authorization	Authorization No: S-000240 Date: 2/5/2020 Budgeted Amount: \$874,202.00
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Classification: Budgeted Budget Item No: GSC19 Budget Year: 2020 Project Name: 2020 Customer Facing Enhancements Project Supervisor: Gamble, Michelle	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/5/2020 1:51:12 PM Initiated By: Gamble, Michelle Finalized Date: 2/18/2020 11:08:46 AM Finalized By: Laffond, Courtney
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2020	YES	Laffond, Courtney <i>Plant Accountant</i>	Internal Labor:	\$233,430.00
2/10/2020	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Purchases:	\$334,000.00
2/10/2020	YES	Gamble, Michelle <i>Manager, IT Systems Support</i>	Contract Services:	\$306,772.00
2/10/2020	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Other Specific Charges:	\$0.00
2/11/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Retirement:	\$0.00
2/13/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$0.00
2/13/2020	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>	Total Project Amount:	\$874,202.00
2/13/2020	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

The Customer Facing Enhancements is a comprehensive list of work to be done in 2020 for improvements in the areas of Billing, Credit & Collections, Retail Choice and Customer Service. Throughout the year as support items are entered, some are deemed to be "enhancements" and not covered under support. These tickets are coded as "enhancement" and reviewed each year for prioritization to be captured in the annual CIS enhancement work.

This work includes all customer facing tools such as billing, rates, revenue, cash, sundry, metering, and work orders.

Internal Labor
 CS: 540 @ \$35 = 18,900

JUSTIFICATION

The full list of enhancements will improve business processes in the following departments: Billing, Customer Service, Retail Choice, Credit & Collections, and Customer Service

The enhancements identified for this project create the following additional benefits to the CIS environment:

- Address risk to revenue collection
- Streamline business processes (lowering risk of user errors)
- Enhance customer interaction & customer self-service offerings

NOTES

AUTHORIZATION COMMENTS

UES 32% C-200135-20202518 279,744.64
 FGE 25% F-020052-20203336 218,550.50
 NU-NH 19% N-020020-00200007 166,098.38
 NU-ME 24% M-020029-00200008 209,808.48

Capital Budget 2020 Unitil Service Corp

Item Description

Classification: Budgeted
Year: 2020
Company: Unitil Service Corp
Status: [A] Accepted
Priority: 1
Budget Number: GSC19
Budget Category: Software/System
Item Name: 2020 Customer Facing Enhancements
Submitted By: Gamble, Michelle
Manager, IT Systems Support
Entered By: Gamble, Michelle on 11/16/2018 3:40:44 PM
Manager, IT Systems Support
Status Changed By: Clark, Karen on 1/14/2020 2:25:11 PM
IT Project Manager

Estimates

Internal Labor (\$):	233430.00
Purchases (\$):	334000.00
Contract Services (\$):	306772.00
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

The Customer Facing Enhancements is a comprehensive list of work to be done in 2020 for improvements in the areas of Billing, Credit & Collections, Retail Choice and Customer Service. Throughout the year as support items are entered, some are deemed to be "enhancements" and not covered under support. These tickets are coded as "enhancement" and reviewed each year for prioritization to be captured in the annual CIS enhancement work. This work includes all customer facing tools such as billing, rates, revenue, cash, sundry, metering, and work orders.

Internal Labor
 CS: 540 @ \$35 = 18,900
 App Dev:

Justification

The full list of enhancements will improve business processes in the following departments: Billing, Customer Service, Retail Choice, Credit & Collections, and Customer Service

The enhancements identified for this project create the following additional benefits to the CIS environment:

- Address risk to revenue collection
- Streamline business processes (lowering risk of user errors)
- Enhance customer interaction & customer self-service offerings

USC Service Authorization			Authorization No: S-000226	
			Date: 1/30/2020	
			Budgeted Amount: \$15,850.00	
Classification: Budgeted Budget Item No: GSC10 Budget Year: 2020 Project Name: Metersense Upgrade 2020 Project Supervisor: Tobey, Christine		Type: Original Sequence: 1 Status: Completed Initiated Date: 1/30/2020 2:25:23 PM Initiated By: Gamble, Michelle Finalized Date: 2/19/2020 8:29:20 AM Finalized By: Laffond, Courtney		
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2020	YES	Laffond, Courtney <i>Plant Accountant</i>	Internal Labor:	\$7,050.00
2/10/2020	YES	Gamble, Michelle <i>Manager, IT Systems Support</i>	Purchases:	\$0.00
2/10/2020	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Contract Services:	\$8,800.00
2/11/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Other Specific Charges:	\$0.00
			Retirement:	\$0.00
			Salvage:	\$0.00
			Total Project Amount:	\$15,850.00
DESCRIPTION/SCOPE				
Smartworks typically releases software updates on an annual basis. This project is for I.T. support of this upgrade of the MeterSense system and associated integrations. There are no additional license or service fees to upgrade to the newest release. We will upgrade to the test environment first. Internal Labor IT: 25 hours testing integration and 25 hours go live implementation total 50 hours @ \$75 per hour = \$3750 (charge \$95 per hour if UNIITL contract labor) Internal labor AMI: 60 hours testing and go live integration @ \$55 per hour = \$3300 Contract Services (Smartworks) @ \$220 per hour 20-50 hours = \$3250 - \$8800 (this may be necessary for troubleshooting)				
JUSTIFICATION				
SmartWorks Releases Compass X.X focuses heavily on making data more accessible and easier to understand. The version brings a new look and feel to the SmartWorks Compass solution, new tools that you can use to understand VEE failures and estimates.				
NOTES				
AUTHORIZATION COMMENTS				
UES 32% C-200136-20202519 5,072.00 FGE 25% F-020053-20203337 3,962.50 NU-NH 19% N-020021-00200008 3,011.50 NU-ME 24% M-020030-00200009 3,804.00				

Capital Budget 2020 Unitil Service Corp

Item Description

Classification: Budgeted
Year: 2020
Company: Unitil Service Corp
Status: [A] Accepted
Priority: 1
Budget Number: GSC10
Budget Category: Software/System
Item Name: Metersense Upgrade 2020
Submitted By: Tobey, Christine
Sr. Systems Analyst
Entered By: Tobey, Christine on 11/21/2018 10:08:43 AM
Sr. Systems Analyst
Status Changed By: Clark, Karen on 9/19/2019 3:22:24 PM
IT Project Manager

Estimates

Internal Labor (\$):	7050
Purchases (\$):	
Contract Services (\$):	8800
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

Smartworks typically releases software updates on an annual basis. This project is for I.T. support of this upgrade of the MeterSense system and associated integrations.

There are no additional license or service fees to upgrade to the newest release.

We will upgrade to the test environment first.

Internal Labor IT: 25 hours testing integration and 25 hours go live implementation total 50 hours @ \$75 per hour = \$3750
 (charge \$95 per hour if UNIITL contract labor)

Internal labor AMI: 60 hours testing and go live integration @ \$55 per hour = \$3300

Contract Services (Smartworks) @ \$220 per hour 20-50 hours = \$3250 - \$8800 (this may be necessary for troubleshooting)

Justification

SmartWorks Releases Compass X.X focuses heavily on making data more accessible and easier to understand. The version brings a new look and feel to the SmartWorks Compass solution, new tools that you can use to understand VEE failures and estimates.

USC Service Authorization			Authorization No: S-000225	
			Date: 1/30/2020	
			Budgeted Amount: \$216,313.00	
Classification: Budgeted Budget Item No: GSC18 Budget Year: 2020 Project Name: 2020 Interface Enhancements Project Supervisor: Gamble, Michelle		Type: Original Sequence: 1 Status: Completed Initiated Date: 1/30/2020 2:23:53 PM Initiated By: Gamble, Michelle Finalized Date: 2/19/2020 8:28:53 AM Finalized By: Laffond, Courtney		
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2020	YES	Laffond, Courtney <i>Plant Accountant</i>	Internal Labor:	\$58,620.00
2/10/2020	YES	Gamble, Michelle <i>Manager, IT Systems Support</i>	Purchases:	\$81,000.00
2/10/2020	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Contract Services:	\$76,693.00
2/11/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Other Specific Charges:	\$0.00
2/14/2020	YES	Diggins, Todd <i>Director, Finance</i>	Retirement:	\$0.00
			Salvage:	\$0.00
			Total Project Amount:	\$216,313.00
DESCRIPTION/SCOPE				
The Interface Enhancements is a comprehensive list of work to be done in 2020 for improvements in the integration between the Customer Information System and many other systems that require data from this system.				
Internal Labor CS 300 *\$35 = 10,500 App Dev: 420*75\$= 31500				
JUSTIFICATION				
This budget item will focus on the System Interface Enhancements. Some additional benefits and/or features include: - GIS File Upload - MDS enhancements for Instrument Work Orders and LVM (Large Volume Meters)				
The full list of enhancements will improve business processes in the following departments: Field Services, GIS, Customer Service and Metering.				
The enhancements identified for this project create the following additional benefits to the CIS environment: - Address risk to revenue collection - Streamline business processes (lowering risk of user errors) - Enhance customer interaction & customer self-service offerings				
NOTES				
AUTHORIZATION COMMENTS				
UES 32% C-200137-20202520 69,220.16 FGE 25% F-020054-20203338 54,078.25 NU-NH 19% N-020022-00200009 41,099.47 NU-ME 24% M-020031-00200010 51,915.12				

Capital Budget 2020 Unitil Service Corp	
Item Description	
Classification:	Budgeted
Year:	2020
Company:	Unitil Service Corp
Status:	[A] Accepted
Priority:	1
Budget Number:	GSC18
Budget Category:	Software/System
Item Name:	2020 Interface Enhancements
Submitted By:	Gamble, Michelle <i>Manager, IT Systems Support</i>
Entered By:	Gamble, Michelle on 8/23/2019 3:08:24 PM <i>Manager, IT Systems Support</i>
Status Changed By:	Clark, Karen on 1/14/2020 2:27:39 PM <i>IT Project Manager</i>
Estimates	
Internal Labor (\$):	58620.00
Purchases (\$):	81000.00
Contract Services (\$):	76693.00
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	
Description/Scope	
<p>The Interface Enhancements is a comprehensive list of work to be done in 2020 for improvements in the integration between the Customer Information System and many other systems that require data from this system.</p> <p>Internal Labor CS 300 *\$35 = 10,500 App Dev:420*75\$= 31500</p>	
Justification	
<p>This budget item will focus on the System Interface Enhancements. Some additional benefits and/or features include:</p> <ul style="list-style-type: none"> - GIS File Upload - MDS enhancements <p>The full list of enhancements will improve business processes in the following departments: Field Services, GIS, Customer Service and Metering.</p> <p>The enhancements identified for this project create the following additional benefits to the CIS environment:</p> <ul style="list-style-type: none"> - Address risk to revenue collection - Streamline business processes (lowering risk of user errors) - Enhance customer interaction & customer self-service offerings 	

USC Service Authorization	Authorization No: S-000238 Date: 2/5/2020 Budgeted Amount: \$39,804.00
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Classification: Budgeted Budget Item No: GSC16 Budget Year: 2020 Project Name: Regulatory Work Blanket Project Supervisor: Huizenga, Craig	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/5/2020 8:38:47 AM Initiated By: Huizenga, Craig Finalized Date: 4/3/2020 8:08:22 AM Finalized By: Laffond, Courtney
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/19/2020	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Internal Labor:	\$47,244.00
3/19/2020	YES	Gamble, Michelle <i>Manager, IT Systems Support</i>	Purchases:	\$0.00
3/31/2020	YES	Lambert, Mark <i>VP, Customer Operations</i>	Contract Services:	\$0.00
3/24/2020	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Other Specific Charges:	\$0.00
3/26/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Retirement:	\$0.00
			Salvage:	\$0.00
			Total Project Amount:	\$47,244.00

DESCRIPTION/SCOPE
Ensure regulatory compliance of approved tariff changes. Based upon previous experience, estimates of hours and dollars were provided for the known structural changes required in 2020. Items that are tentatively scheduled for 2020: • SMART Non-Bypassable Charge • FGE Grid Mod • FGE MMRC • Company TOU Pilot There is the potential for additional changes; however those are unknown at the time. Original Scope: Estimated Labor: 856 hours Estimated Cost: \$39,804 2/18/2020 Adding Scope of 160 hours and \$7440 due to FGE SQI Credit Rate Component, effective 5/1/2020. Additional scope added for testing and completing system set-up.

JUSTIFICATION
These are Regulatory Requirements. Changes to the CIS are required in these situations, and must be completed on time, accurately, and compliant with audit requirements. Unutil is required to comply with approved Regulatory Orders and Tariffs, which requires modifications to the CIS (enQuesta) system. Unutil staff from multiple departments participates in the building, testing, validation, and approval of changes to the system to ensure accurate billing, reporting, reconciliation, and bill print.

NOTES

AUTHORIZATION COMMENTS
UES 32% C-200138-20202521 15,118.08 FGE 25% F-020055-20203339 11,811.00 NU-NH 19% N-020023-00200010 8,976.36 NU-ME 24% M-020032-00200011 11,338.56

Capital Budget 2020 Unitil Service Corp

Item Description

Classification: Budgeted
Year: 2020
Company: Unitil Service Corp
Status: [A] Accepted
Priority: 2
Budget Number: GSC16
Budget Category: Software/System
Item Name: Regulatory Work Blanket
Submitted By: Huizenga, Craig
Manager, Customer Billing & Revenue Cycle Solutions
Entered By: Gamble, Michelle on 11/16/2018 2:05:41 PM
Manager, IT Systems Support
Status Changed By: Clark, Karen on 8/30/2019 1:14:49 PM
IT Project Manager

Estimates

Internal Labor (\$):	39804
Purchases (\$):	
Contract Services (\$):	
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

Ensure regulatory compliance of approved tariff changes.

Based upon previous experience, estimates of hours and dollars were provided for the known structural changes required in 2020.

Items that are tentatively scheduled for 2020:

- SMART Non-Bypassable Charge
- FGE Grid Mod
- FGE MMRC
- Company TOU Pilot

There is the potential for additional changes; however those are unknown at the time.

Estimated Labor: 856 hours

Estimated Cost: \$39,804

Justification

These are Regulatory Requirements. Changes to the CIS are required in these situations, and must be completed on time, accurately, and compliant with audit requirements.

Unitil is required to comply with approved Regulatory Orders and Tariffs, which requires modifications to the CIS (enQuesta) system. Unitil staff from multiple departments participates in the building, testing, validation, and approval of changes to the system to ensure accurate billing, reporting, reconciliation, and bill print.

USC Service Authorization		Authorization No: S-000229 Date: 2/3/2020 Budgeted Amount: \$50,000.00		
Classification: Budgeted Budget Item No: GSC12 Budget Year: 2020 Project Name: 2020 General Software Enhancements Project Supervisor: Haynes, Jeremy		Type: Original Sequence: 1 Status: Completed Initiated Date: 2/3/2020 10:46:00 AM Initiated By: Haynes, Jeremy Finalized Date: 3/31/2020 8:25:14 AM Finalized By: Laffond, Courtney		
APPROVALS		ESTIMATED COST SUMMARY		
Action Date	Approved	Approver/Title	Description	Amount
3/24/2020	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Internal Labor:	\$50,000.00
3/25/2020	YES	Haynes, Jeremy <i>Director, IT Application Development</i>	Purchases:	\$0.00
3/25/2020	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Contract Services:	\$0.00
3/26/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Other Specific Charges:	\$0.00
3/26/2020	YES	Diggins, Todd <i>Director, Finance</i>	Retirement:	\$0.00
			Salvage:	\$0.00
			Total Project Amount:	\$50,000.00
DESCRIPTION/SCOPE				
This budget item is to cover the costs of internal time associated with small Technology additions, enhancements, and upgrades where such activities cannot be reasonably identified or are too small (< \$10,000) to budget as a specific project. These small projects maintain the value and viability of systems or are small projects that add value unto themselves.				
JUSTIFICATION				
1. Required to maintain the value and viability of Unutil Information Technology systems. 2. Capture smaller capital projects that would not otherwise be capitalized.				
NOTES				
AUTHORIZATION COMMENTS				
UES 31% C-200140-20202523 15,500.00 FGE 25% F-020057-20203341 12,500.00 NU-NH 19% N-020025-00200012 9,500.00 NU-ME 23% M-020034-00200013 11,500.00 GSG 2% T-020010-00200005 1,000.00				

Capital Budget 2020 Unitil Service Corp

Item Description

Classification: Budgeted
Year: 2020
Company: Unitil Service Corp
Status: [A] Accepted
Priority: 3
Budget Number: GSC12
Budget Category: Software/System
Item Name: 2020 General Software Enhancements
Submitted By: Haynes, Jeremy
Director, Enterprise IT Systems
Entered By: Clark, Karen on 11/15/2018 3:05:09 PM
IT Project Manager
Status Changed By: Haynes, Jeremy on 3/13/2020 3:06:38 PM
Director, Enterprise IT Systems

Estimates

Internal Labor (\$):	50000
Purchases (\$):	
Contract Services (\$):	
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

This budget item is to cover the costs of internal time associated with small Technology additions, enhancements, and upgrades where such activities cannot be reasonably identified or are too small (< \$10,000) to budget as a specific project.

These small projects maintain the value and viability of systems or are small projects that add value unto themselves.

Justification

1. Required to maintain the value and viability of Unitil Information Technology systems.
2. Capture smaller capital projects that would not otherwise be capitalized.

USC Service Authorization			Authorization No: S-000230	
			Date: 2/3/2020	
			Budgeted Amount: \$125,000.00	
Classification: Budgeted Budget Item No: GSC15 Budget Year: 2020 Project Name: Reporting Blanket Project Supervisor: Haynes, Jeremy		Type: Original Sequence: 1 Status: Completed Initiated Date: 2/3/2020 10:47:00 AM Initiated By: Haynes, Jeremy Finalized Date: 3/31/2020 8:26:07 AM Finalized By: Laffond, Courtney		
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/24/2020	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Internal Labor:	\$37,500.00
3/25/2020	YES	Haynes, Jeremy <i>Director, IT Application Development</i>	Purchases:	\$0.00
3/25/2020	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Contract Services:	\$87,500.00
3/26/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Other Specific Charges:	\$0.00
3/26/2020	YES	Diggins, Todd <i>Director, Finance</i>	Retirement:	\$0.00
			Salvage:	\$0.00
			Total Project Amount:	\$125,000.00
DESCRIPTION/SCOPE				
Cognos Report Development requests that need to be prioritized and worked throughout the year. There is a comprehensive list of reporting requests that will primarily benefit the following functional areas: - Accounting - Billing - Credit & Collections - Training - Communications - Customer Service - Customer Energy Solutions - Engineering - Metering - Regulatory - Retail Choice / Supplier Mgmt.				
JUSTIFICATION				
The various department managers submit reporting requests to identify potential problems that need to be manually worked to ensure reliability and integrity of customer account information to mitigate customer or regulatory dissatisfaction or problems.				
NOTES				
AUTHORIZATION COMMENTS				
UES 31% C-200141-20202524 38,750.00 FGE 25% F-020059-20203342 31,250.00 NU-NH 19% N-020026-00200013 23,750.00 NU-ME 23% M-020035-00200014 28,750.00 GSG 2% T-020011-00200006 2,500.00				

Capital Budget 2020 Unitil Service Corp

Item Description

Classification: Budgeted
Year: 2020
Company: Unitil Service Corp
Status: [A] Accepted
Priority: 2
Budget Number: GSC15
Budget Category: Software/System
Item Name: Reporting Blanket
Submitted By: Haynes, Jeremy
Director, Enterprise IT Systems
Entered By: Gamble, Michelle on 11/16/2018 1:45:57 PM
Manager, IT Systems Support
Status Changed By: Haynes, Jeremy on 3/13/2020 3:03:58 PM
Director, Enterprise IT Systems

Estimates

Internal Labor (\$):	37500
Purchases (\$):	
Contract Services (\$):	87500
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

Cognos Report Development requests that need to be prioritized and worked throughout the year.

There is a comprehensive list of reporting requests in our backlog that will primarily benefit the following functional areas:

- Accounting
- Billing
- Credit & Collections
- Training
- Communications
- Customer Service
- Customer Energy Solutions
- Engineering
- Metering
- Regulatory
- Retail Choice / Supplier Mgmt.

Justification

The various department managers submit reporting requests to identify potential problems that need to be manually worked to ensure reliability and integrity of customer account information to mitigate customer or regulatory dissatisfaction or problems.

USC Service Authorization			Authorization No: S-000233	
			Date: 2/3/2020	
			Budgeted Amount: \$232,500.00	
Classification: Budgeted Budget Item No: GSC29 Budget Year: 2020 Project Name: DevOps Implementation Project Project Supervisor: Haynes, Jeremy			Type: Original Sequence: 1 Status: Completed Initiated Date: 2/3/2020 10:49:41 AM Initiated By: Haynes, Jeremy Finalized Date: 3/31/2020 8:26:33 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/24/2020	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Internal Labor:	\$232,500.00
3/25/2020	YES	Haynes, Jeremy <i>Director, IT Application Development</i>	Purchases:	\$0.00
3/25/2020	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Contract Services:	\$0.00
3/26/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Other Specific Charges:	\$0.00
3/26/2020	YES	Diggins, Todd <i>Director, Finance</i>	Retirement:	\$0.00
			Salvage:	\$0.00
			Total Project Amount:	\$232,500.00
DESCRIPTION/SCOPE				
Implementing DevOps (IT Development and IT Operations practices combined) practices would transform Unutil's IT infrastructure, adding traceability, automation and security to every component in every environment. These improvements are badly needed to continue to support, secure and audit Unutil's increasing technology needs. The goal for the 2020 project is to fully implement DevOps practices in Unutil's Development and Staging environments to have the benefits realized in those environments and to have a way to demonstrate what a DevOps implementation would look like in Unutil's Production environment.				
Concrete deliverables for this project will include:				
<ul style="list-style-type: none"> - Automation of DEV/Staging/Production deployments of our internal applications and databases in a fully audit compliant manner - Implementation of electronic deployment approval stage gates - Automation of enQuesta environment builds along with sliced data functionality - Implementation of new App Dev ticketing process and SLA enforcement 				
JUSTIFICATION				
Implementing a modern, automated, auditable approach to IT infrastructure and applications would greatly increase compliance, efficiency and security.				
Unutil has hundreds of servers and applications spread across three separate technology environments with maintenance and deployment done manually by dozens of technology personnel. Ensuring security compliance with this manual approach to IT infrastructure is an almost impossible task; technology components do not have any audit trails attached to them so auditing Unutil's technology environments is a time-intensive manual task. Updating all of the technology to make it compliant is also a struggle with the current manual approach, with the amount of time required to perform the updates potentially leading to prolonged periods of non-compliance. This situation will only become more pronounced as Unutil's technology components become more complex in the near future.				
NOTES				
AUTHORIZATION COMMENTS				
UES 31% C-200144-20202527 72,075.00 FGE 25% F-020062-20203345 58,125.00 NU-NH 19% N-020029-00200016 44,175.00 NU-ME 23% M-020038-00200017 53,475.00 GSG 2% T-020012-00200007 4,650.00				

USC Service Authorization

Authorization No: S-000233
Date: 12/8/2021
Budgeted Amount: \$232,500.00

Classification: Budgeted
Budget Item No: GSC29
Budget Year: 2020
Project Name: DevOps Implementation Project
Project Supervisor: Haynes, Jeremy

Type: Revision
Sequence: 2
Status: Completed
Initiated Date: 12/8/2021 2:33:28 PM
Initiated By: Haynes, Jeremy
Finalized Date: 1/13/2022 8:23:05 AM
Finalized By: Lydon, Lisa

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
12/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Internal Labor:	\$275,000.00
12/8/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Purchases:	\$14,500.00
12/9/2021	YES	Haynes, Jeremy <i>Director, Enterprise IT</i>	Contract Services:	\$0.00
12/9/2021	YES	Eisfeller, Justin <i>VP, Information Technology & Chief Technology Officer</i>	Other Specific Charges:	\$0.00
12/29/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Retirement:	\$0.00
12/29/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
1/11/2022	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>	Total Project Amount:	\$289,500.00
1/11/2022	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

Implementing DevOps (IT Development and IT Operations practices combined) practices would transform Unitol's IT infrastructure, adding traceability, automation and security to every component in every environment. These improvements are badly needed to continue to support, secure and audit Unitol's increasing technology needs. The goal for the 2020 project is to fully implement DevOps practices in Unitol's Development and Staging environments to have the benefits realized in those environments and to have a way to demonstrate what a DevOps implementation would look like in Unitol's Production environment.

Concrete deliverables for this project will include:

- Automation of DEV/Staging/Production deployments of our internal applications and databases in a fully audit compliant manner
- Implementation of electronic deployment approval stage gates
- Automation of enQuesta environment builds along with sliced data functionality
- Implementation of new App Dev ticketing process and SLA enforcement

JUSTIFICATION

Implementing a modern, automated, auditable approach to IT infrastructure and applications would greatly increase compliance, efficiency and security.

Unitol has hundreds of servers and applications spread across three separate technology environments with maintenance and deployment done manually by dozens of technology personnel. Ensuring security compliance with this manual approach to IT infrastructure is an almost impossible task: technology components do not have any audit trails attached to them so auditing Unitol's technology environments is a time-intensive manual task. Updating all of the technology to make it compliant is also a struggle with the current manual approach, with the amount of time required to perform the updates potentially leading to prolonged periods of non-compliance. This situation will only become more pronounced as Unitol's technology components become more complex in the near future.

Revision 12/8/21

Revision to account for higher internal labor costs and additional unplanned software license purchases

NOTES

AUTHORIZATION COMMENTS

UES 31% C-200144-20202527 72,075.00
 FGE 25% F-020062-20203345 58,125.00
 NU-NH 19% N-020029-00200016 44,175.00
 NU-ME 23% M-020038-00200017 53,475.00
 GSG 2% T-020012-00200007 4,650.00

Capital Budget 2020 Unitil Service Corp

Item Description

Classification: Budgeted
Year: 2020
Company: Unitil Service Corp
Status: [A] Accepted
Priority: 2
Budget Number: GSC29
Budget Category: Software/System
Item Name: DevOps Implementation Project
Submitted By: Clark, Karen
IT Project Manager
Entered By: Clark, Karen on 8/23/2019 3:41:15 PM
IT Project Manager
Status Changed By: Haynes, Jeremy on 3/13/2020 3:10:10 PM
Director, Enterprise IT Systems

Estimates

Internal Labor (\$):	232500
Purchases (\$):	
Contract Services (\$):	
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

Implementing DevOps (IT Development and IT Operations practices combined) practices would transform Unitil's IT infrastructure, adding traceability, automation and security to every component in every environment. These improvements are badly needed to continue to support, secure and audit Unitil's increasing technology needs. The goal for the 2020 project is to fully implement DevOps practices in Unitil's Development and Staging environments to have the benefits realized in those environments and to have a way to demonstrate what a DevOps implementation would look like in Unitil's Production environment.

Concrete deliverables for this project will include:

Automation of DEV/Staging/Production deployments of our internal applications and databases in a fully audit compliant manner

Implementation of electronic deployment approval stage gates

Automation of enQuesta environment builds along with sliced data functionality

Implementation of new App Dev ticketing process and SLA enforcement

Justification

Implementing a modern, automated, auditable approach to IT infrastructure and applications would greatly increase compliance, efficiency and security.

Unitil has hundreds of servers and applications spread across three separate technology environments with maintenance and deployment done manually by dozens of technology personnel. Ensuring security compliance with this manual approach to IT infrastructure is an almost impossible task: technology components do not have any audit trails attached to them so auditing Unitil's technology environments is a time-intensive manual task. Updating all of the technology to make it compliant is also a struggle with the current manual approach, with the amount of time required to perform the updates potentially leading to prolonged periods of non-compliance. This situation will only become more pronounced as Unitil's technology components become more complex in the near future.

UES Capital Construction Authorization

AUTH: 200148

Date: 2/13/2020

Budgeted Amount: \$99,765.00

Budget Item No: **DBBC03**
 Budget Year: **2020**
 Description: **Relocate EL Infrastructure for Pedestrian Bridge-250 Pleasant St. Concord**
 Project Supervisor: **Raymond, Gary**
 Crew Days: **34.4**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/13/2020 10:00:56 AM**
 Initiated By: **Otero, Heather**
 Finalized Date: **2/20/2020 7:19:04 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

Action Date	Approved	Approver/Title
2/13/2020	YES	Lydon, Lisa <i>Plant Accountant</i>
2/13/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>
2/14/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>
2/19/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>
2/17/2020	YES	Sprague, Kevin <i>VP, Engineering</i>
2/19/2020	YES	Diggins, Todd <i>Director, Finance</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$159,118.00
Less Customer Contribution:	\$159,118.00
Net Authorized Cost:	\$0.00
Retirement:	\$0.00
Cost Of Removal:	\$0.00
Salvage:	\$0.00
CWO Total:	\$159,118.00

DESCRIPTION/SCOPE

Relocating overhead electric distribution lines to underground in order to accommodate a new pedestrian bridge at the Concord Hospital in Concord.

JUSTIFICATION

This relocation of the electrical lines is being requested by Concord Hospital, the customer has paid the full cost of this line relocation.

Customer Portion: \$159,118.00

Total Project Cost: 159,118.00

NOTES

Intake 38820

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201614	Relocate EL Infrastructure for Pedestrian Bridge-250 Pleasant St. Concord	\$159,118.00
	Total	\$159,118.00

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	777
Labor Time for Removal (Man Hours):	107
Transportation Expenses (Heavy Truck Hours):	442
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	802
Material UG Electric Construction (from Stockroom):	7468
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3591
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide service to our customers.	

UES Capital Construction Authorization

AUTH: 200149

Date: 2/24/2020

Budgeted Amount: \$99,765.00

Budget Item No: DBBC04
Budget Year: 2020
Description: Single Phase URD Line Ext. Hamilton Ct. Bow-Billable
Project Supervisor: Lloyd, Charles
Crew Days: 15
Start Date:
Completion Date:

Type: Original
Sequence: 1
Status: Completed
Initiated Date: 2/24/2020 1:48:29 PM
Initiated By: Otero, Heather
Finalized Date: 3/5/2020 7:10:34 AM
Finalized By: Lydon, Lisa

APPROVALS

Action Date	Approved	Approver/Title
2/26/2020	YES	Lydon, Lisa Plant Accountant
2/27/2020	YES	Lloyd, Charles Manager Electric Operations
2/27/2020	YES	Letourneau, Raymond VP, Electric Operations
3/4/2020	YES	Bonazoli, John Manager Distribution Engineer
2/27/2020	YES	Sprague, Kevin VP, Engineering
3/4/2020	YES	Diggins, Todd Director, Finance

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$75,390.54
Less Customer Contribution:	\$21,237.00
Net Authorized Cost:	\$54,153.54
Retirement:	\$0.00
Cost Of Removal:	\$0.00
Salvage:	\$0.00
CWO Total:	\$75,390.54

DESCRIPTION/SCOPE

This authorization is for a single phase underground line extension to feed a 9 lot subdivision located at Hamilton Ct in Bow. The customer will pay in advance the reduced estimated cost of this line extension and transformers in accordance with the Economic Development Program and will receive an overhead credit when the project is complete and meters are installed. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

Economic Development Program

C-20201615 URD BILLABLE: \$70,699.73
 LESS: Customer Contribution: \$ 21,237.00
 Company Portion: \$49,462.73

C-20208003 TRANSFORMERS - BILLABLE \$4,497.00
 Less Customer Contribution \$1,121.00
 Company Cost \$3,376

C-20201616 URD Non Billable: \$ 4,690.81

Total Company Cost \$54,153.54
 (Excluding Transformer)

Total Overhead Line Allowance: \$22,260.74
 Number of Credits: 6
 Amount of Each Credit: \$3,710.12

NOTES

Intake 40699

Customer Contribution: 21,237.00
 Overhead Line Allowance: 22,260.74
 Construction Overheads: 27,201.99
 Non-Billable: 4,690.81
 Total Project Cost 75,390.54

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201615	Single Phase URD Line Ext. Hamilton Ct. Bow-Billable	\$70,699.73
20201616	Single Phase URD Line Ext. Hamilton Ct. Bow-Non Billable	\$4,690.81
	Total	\$75,390.54

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: DBBC00 Underground Line Extensions
Project Name: Underground Line Extensions
Submitted By: C. Lloyd

Project Categorizations

Customer Driven

Project Estimates

Labor Time to Install (Man Hours):	777
Labor Time for Removal (Man Hours):	107
Transportation Expenses (Heavy Truck Hours):	442
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	802
Material UG Electric Construction (from Stockroom):	7468
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3591
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	

Description/Scope

Underground Line Extensions Initiated by Developers / Customers. Over \$20,000

Justification

Provide service to our customers.

UES Capital Construction Authorization

AUTH: **200450**
Date: **2/27/2020**

Budgeted Amount: **\$99,765.00**

Budget Item No: **DBBC05**
 Budget Year: **2020**
 Description: **Three Phase URD Line Ext. 1912 Dover Rd, Epsom -Billable**
 Project Supervisor: **Raymond, Gary**
 Crew Days: **21**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/27/2020 11:00:23 AM**
 Initiated By: **Otero, Heather**
 Finalized Date: **3/5/2020 12:34:40 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/27/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$112,481.19
2/27/2020	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$62,418.94
2/28/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$50,062.25
2/28/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
3/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
2/27/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
3/4/2020	YES	Diggins, Todd <i>Director, Finance</i>	CWO Total:	\$112,481.19
3/5/2020	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
3/5/2020	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This authorization is for the installation of three phase overhead to underground line extension, to service a new NH state liquor store located at 1912 Dover Rd in Epsom. The line extension will include, telephone to set two main line poles and Unitil to set 2 poles on private property and extend underground primary to a new three phase padmount transformer.
 The customer will pay the reduced estimated cost of this line extension and transformers, in accordance with the Economic Development Program. A Final accounting will be made after the work has been completed. The customer will be credited, or billed for the difference in the estimated and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM
 Justification: SUMMARY: Excluding Transformers & Tel. Billing

C-20201617 Billable
 Total Customer Contribution \$62,418.94
 Construction Overheads \$38,159.15
 C-20201618 Non-Billable \$11,903.11
 Total Project Cost: \$112,481.20

NOTES

Intake 40345

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201617	Three Phase URD Line Ext. 1912 Dover Rd, Epsom -Billable	\$100,578.08
20201618	Three Phase URD Line Ext. 1912 Dover Rd, Epsom -Non Billable	\$11,903.11
	Total	\$112,481.19

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: DBBC00 Underground Line Extensions
Project Name: Underground Line Extensions
Submitted By: C. Lloyd

Project Categorizations

Customer Driven

Project Estimates

Labor Time to Install (Man Hours):	777
Labor Time for Removal (Man Hours):	107
Transportation Expenses (Heavy Truck Hours):	442
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	802
Material UG Electric Construction (from Stockroom):	7468
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3591
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	

Description/Scope

Underground Line Extensions Initiated by Developers / Customers. Over \$20,000

Justification

Provide service to our customers.

UES Capital Construction Authorization

AUTH: 200165

Date: 3/2/2020

Budgeted Amount: \$287,491.00

Budget Item No: DRBC15
Budget Year: 2020
Description: Knox Rd., Bow - Pole 56 - Install Fuse Saver
Project Supervisor: Balch, Stanley
Crew Days: 0
Start Date:
Completion Date:

Type: Original
Sequence: 1
Status: Completed
Initiated Date: 3/2/2020 12:16:31 PM
Initiated By: Balch, Stanley
Finalized Date: 3/6/2020 2:17:13 PM
Finalized By: Lydon, Lisa

APPROVALS

Action Date	Approved	Approver/Title
3/4/2020	YES	Lydon, Lisa Plant Accountant
3/4/2020	YES	Lloyd, Charles Manager Electric Operations
3/4/2020	YES	Letourneau, Raymond VP, Electric Operations
3/4/2020	YES	Bonazoli, John Manager Distribution Engineer
3/5/2020	YES	Sprague, Kevin VP, Engineering

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$20,448.00
Less Customer Contribution:	\$0.00
Net Authorized Cost:	\$20,448.00
Retirement:	\$0.00
Cost Of Removal:	\$5,112.00
Salvage:	\$0.00
CWO Total:	\$15,336.00

DESCRIPTION/SCOPE

This project consists of installing a fuse saver in series with the existing 65N fuse at Pole 56 Knox Road in Bow. Pole 56 will need to be replaced to accommodate this installation.

JUSTIFICATION

This area has experienced several patrolled nothing found, squirrel, and broken limb related outages. The installation of this fuse saver will decrease the number of outages.

NOTES

Intake# 40855

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201623	Knox Rd., Bow - Pole 56 - Install Fuse Saver	\$15,336.00
	Total	\$15,336.00

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 3
Budget Category: DRBC00 Reliability Projects
Project Name: Reliability Projects
Submitted By: J.Goudreault

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	320
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	160
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	16328
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	107000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	8808
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

DRBC01:

This reliability budget project is to install fusesavers at 4 different locations.

- (1) @ Stickney Hill Rd, Hopkinton
- (1) @ Knox Rd, Bow
- (1) @ N. Main St, Boscawen
- (1) @ New Orchard Rd, Epsom

These fusesaver installations will require additional work apart from the fusesaver installation, e.g. pole and wire replacements, etc.

DRBC02:

Replace cutouts and fuses at P.5 Mountain Rd, Concord with a Recloser.

DRBC03:

Install a micro-processor based recloser at P.168 Main St, Chichester. Remove the existing hydraulic recloser and low-side fuses

DRBC04:

Install a microprocessor-based recloser at P.5 Regional Dr., Concord.

DRBC05:

Install a microprocessor-based recloser at P.78 Pleasant St, Concord.

Justification

DRBC01:

The identified areas experienced several patrolled, nothing found, animal, and broken limb-related outages. Fusesavers add

one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings (total):

Customer Minutes of Interruption: 36,491
Customer Interruptions: 376

DRBC02:

15W1 has experienced several operations on the fuses at P.5 Mountain Rd. Replacing the fuses with a recloser allows reclosing to eliminate some of the outages.

Estimated Annual Savings:

Customer Minutes: 27,838
Customer Interruptions: 335

DRBC03:

The hydraulic recloser at P.167 Main St, Chichester does not coordinate well with downline devices. As such, there is low-side fusing for the step down transformers at P.164 and 166. These low-side fuses have operated multiple times in the last three years. The hydraulic recloser does allow for fuse savings downline. Replacing the hydraulic recloser and low-side fuses with a microprocessor-based recloser will allow reclosing for the 451 exposed customers.

Estimated Annual Savings:

Customer Minutes of Interruption: 45,125
Customer Interruptions: 439

DRBC04:

A number of motor vehicle accidents and large tree related outages occurred in 2018 that caused the substation recloser to trip to lockout. A mid-line recloser will be another sectionalizing point with reclosing that will help lessen the effect of a mainline fault beyond the recloser.

Estimate Annual Savings

Customer Minutes of Interruption: 27,429
Customer Interruptions: 330

DRBC05:

6X3 exits the Pleasant St S/S and branches to the left and right. In order to limit the scale of the outage, a sectionalizing device in each direction will prevent a full circuit outage. This project is for a recloser in the east direction of Pleasant St. It will replace a set of fuses on P.78.

Estimated Annual Savings:

Customer Minutes of Interruption: 27,774
Customer Interruptions: 334

UES Capital Construction Authorization

AUTH: 200156

Date: 3/3/2020

Budgeted Amount: \$287,491.00

Budget Item No: DRBC16
Budget Year: 2020
Description: Main Street, Chichester - Pole 168 - Install Viper Recloser
Project Supervisor: Balch, Stanley
Crew Days: 0
Start Date:
Completion Date:

Type: Original
Sequence: 1
Status: Completed
Initiated Date: 3/3/2020 10:01:11 AM
Initiated By: Balch, Stanley
Finalized Date: 3/6/2020 2:17:15 PM
Finalized By: Lydon, Lisa

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$115,308.00
3/4/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
3/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$115,308.00
3/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
3/5/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$28,827.00
3/5/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$86,481.00

DESCRIPTION/SCOPE

This authorization is to cover the costs of replacing a hydraulic recloser with a three-phase G&W Viper recloser on pole 168 Main Street, Chichester. In order to accommodate the new recloser the pole will need to be replaced and reinsulated.

JUSTIFICATION

The hydraulic recloser at P.168 Main St, Chichester does not coordinate well with downline devices. As such, there is low-side fusing for the step down transformers at P.164 and 166. These low-side fuses have operated multiple times in the last three years. The hydraulic recloser does allow for fuse savings downline. Replacing the hydraulic recloser and low-side fuses with a microprocessor-based recloser will allow reclosing for the 451 exposed customers.

Estimated Annual Savings:
 Customer Minutes of Interruption: 45,125
 Customer Interruptions: 439

NOTES

Intake# 40864

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201624	Main Street, Chichester - Pole 168 - Install Viper Recloser	\$86,481.00
Total		\$86,481.00

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 3
Budget Category: DRBC00 Reliability Projects
Project Name: Reliability Projects
Submitted By: J.Goudreault

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	320
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	160
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	16328
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	107000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	8808
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

DRBC01:

This reliability budget project is to install fusesavers at 4 different locations.

- (1) @ Stickney Hill Rd, Hopkinton
- (1) @ Knox Rd, Bow
- (1) @ N. Main St, Boscawen
- (1) @ New Orchard Rd, Epsom

These fusesaver installations will require additional work apart from the fusesaver installation, e.g. pole and wire replacements, etc.

DRBC02:

Replace cutouts and fuses at P.5 Mountain Rd, Concord with a Recloser.

DRBC03:

Install a micro-processor based recloser at P.168 Main St, Chichester. Remove the existing hydraulic recloser and low-side fuses

DRBC04:

Install a microprocessor-based recloser at P.5 Regional Dr., Concord.

DRBC05:

Install a microprocessor-based recloser at P.78 Pleasant St, Concord.

Justification

DRBC01:

The identified areas experienced several patrolled, nothing found, animal, and broken limb-related outages. Fusesavers add

one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings (total):

Customer Minutes of Interruption: 36,491
Customer Interruptions: 376

DRBC02:

15W1 has experienced several operations on the fuses at P.5 Mountain Rd. Replacing the fuses with a recloser allows reclosing to eliminate some of the outages.

Estimated Annual Savings:

Customer Minutes: 27,838
Customer Interruptions: 335

DRBC03:

The hydraulic recloser at P.167 Main St, Chichester does not coordinate well with downline devices. As such, there is low-side fusing for the step down transformers at P.164 and 166. These low-side fuses have operated multiple times in the last three years. The hydraulic recloser does allow for fuse savings downline. Replacing the hydraulic recloser and low-side fuses with a microprocessor-based recloser will allow reclosing for the 451 exposed customers.

Estimated Annual Savings:

Customer Minutes of Interruption: 45,125
Customer Interruptions: 439

DRBC04:

A number of motor vehicle accidents and large tree related outages occurred in 2018 that caused the substation recloser to trip to lockout. A mid-line recloser will be another sectionalizing point with reclosing that will help lessen the effect of a mainline fault beyond the recloser.

Estimate Annual Savings

Customer Minutes of Interruption: 27,429
Customer Interruptions: 330

DRBC05:

6X3 exits the Pleasant St S/S and branches to the left and right. In order to limit the scale of the outage, a sectionalizing device in each direction will prevent a full circuit outage. This project is for a recloser in the east direction of Pleasant St. It will replace a set of fuses on P.78.

Estimated Annual Savings:

Customer Minutes of Interruption: 27,774
Customer Interruptions: 334

UES Capital Construction Authorization

AUTH: **200157**
Date: **3/5/2020**

Budgeted Amount: **\$220,529.68**

Budget Item No: **DPBC03**
 Budget Year: **2020**
 Description: **37X1 Tap Pole Replacement**
 Project Supervisor: **Balch, Stanley**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **3/5/2020 10:01:57 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **3/18/2020 7:48:54 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

Action Date	Approved	Approver/Title
3/16/2020	YES	Lydon, Lisa <i>Plant Accountant</i>
3/16/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>
3/16/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>
3/17/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>
3/17/2020	YES	Sprague, Kevin <i>VP, Engineering</i>
3/17/2020	YES	Diggins, Todd <i>Director, Finance</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$220,529.68
Less Customer Contribution:	\$0.00
Net Authorized Cost:	\$220,529.68
Retirement:	\$0.00
Cost Of Removal:	\$55,132.42
Salvage:	\$0.00
CWO Total:	\$165,397.26

DESCRIPTION/SCOPE

This authorization cover the cost to replace a condemned pole on the 37 line (pole 42), install a new pole with a three phase GOAB switch on pole 42X, and install a mid-span pole and G&W Viper recloser to protect circuit 37X1.

JUSTIFICATION

The existing structure has three vertical switches on it, one for each direction at pole 42. The pole has been condemned and the insulators on the switches are cracked. Replacing the switch for the 37X1 circuit with a recloser will provide the following reliability benefit beyond the condemned pole and equipment replacement.

Estimated Annual Savings:
 Customer Minutes: 4,541
 Customer Interruptions: 352,973

NOTES

Intake# 39805

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201625	Replace pole, Install Viper recloser and GOAB switch	\$165,397.26
	Total	\$165,397.26

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 2
Budget Category: DPBC03 Distribution Projects
Project Name: 37X1 Tap Pole Replacement
Submitted By: T. Glueck

Project Categorizations

Reliability, Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	191
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	96
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	45790
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	30000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

This project is to replace a condemned pole on the 37 line (pole 37-42), install a three phase switch on pole 43, and install a pole and recloser on the 37X1 circuit.

Justification

The existing structure has three vertical switches on it, one for each direction at pole 42. The pole has been condemned and the insulators on the switches are cracked. Replacing the switch for the 37X1 circuit with a recloser will provide the following reliability benefit beyond the condemned pole and equipment replacement.

Estimated Annual Savings:
 Customer Minutes: 4,541
 Customer Interruptions: 352,973

UES Capital Construction Authorization

AUTH: 200159

Date: 3/5/2020

Budgeted Amount: \$287,491.00

Budget Item No: DRBC29
Budget Year: 2020
Description: Install Viper Recloser on Regional Dr - 8X5
Project Supervisor: Balch, Stanley
Crew Days: 0
Start Date:
Completion Date:

Type: Original
Sequence: 1
Status: Completed
Initiated Date: 3/5/2020 9:51:43 AM
Initiated By: Lloyd, Charles
Finalized Date: 3/18/2020 7:48:57 AM
Finalized By: Lydon, Lisa

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/12/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$112,412.00
3/12/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
3/12/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$112,412.00
3/12/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
3/17/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$28,103.00
3/17/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$84,309.00

DESCRIPTION/SCOPE

This authorization is to cover the costs of installing a three-phase G&W Viper recloser at Pole 9 Regional Drive in Concord. In order to accommodate the new recloser the pole will need to be replaced and reinsulated.

JUSTIFICATION

A number of motor vehicle accidents and large tree related outages occurred in 2018 that caused the substation recloser to trip to lockout. A mid-line recloser will be another sectionalizing point with reclosing that will help lessen the effect of a mainline fault beyond the recloser.

NOTES

Intake# 40865

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201627	Install Viper Recloser on Regional Dr - 8X5	\$84,309.00
Total		\$84,309.00

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Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	3
Budget Category:	DRBC00 Reliability Projects
Project Name:	Reliability Projects
Submitted By:	J.Goudreault
Project Categorizations	
	Reliability
Project Estimates	
Labor Time to Install (Man Hours):	320
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	160
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	16328
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	107000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	8808
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
DRBC01:	
This reliability budget project is to install fusesavers at 4 different locations.	
(1) @ Stickney Hill Rd, Hopkinton	
(1) @ Knox Rd, Bow	
(1) @ N. Main St, Boscawen	
(1) @ New Orchard Rd, Epsom	
These fusesaver installations will require additional work apart from the fusesaver installation, e.g. pole and wire replacements, etc.	
DRBC02:	
Replace cutouts and fuses at P.5 Mountain Rd, Concord with a Recloser.	
DRBC03:	
Install a micro-processor based recloser at P.168 Main St, Chichester. Remove the existing hydraulic recloser and low-side fuses	
DRBC04:	
Install a microprocessor-based recloser at P.5 Regional Dr., Concord.	
DRBC05:	
Install a microprocessor-based recloser at P.78 Pleasant St, Concord.	
Justification	
DRBC01:	

The identified areas experienced several patrolled, nothing found, animal, and broken limb-related outages. Fusesavers add one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings (total):

Customer Minutes of Interruption: 36,491
Customer Interruptions: 376

DRBC02:

15W1 has experienced several operations on the fuses at P.5 Mountain Rd. Replacing the fuses with a recloser allows reclosing to eliminate some of the outages.

Estimated Annual Savings:

Customer Minutes: 27,838
Customer Interruptions: 335

DRBC03:

The hydraulic recloser at P.167 Main St, Chichester does not coordinate well with downline devices. As such, there is low-side fusing for the step down transformers at P.164 and 166. These low-side fuses have operated multiple times in the last three years. The hydraulic recloser does allow for fuse savings downline. Replacing the hydraulic recloser and low-side fuses with a microprocessor-based recloser will allow reclosing for the 451 exposed customers.

Estimated Annual Savings:

Customer Minutes of Interruption: 45,125
Customer Interruptions: 439

DRBC04:

A number of motor vehicle accidents and large tree related outages occurred in 2018 that caused the substation recloser to trip to lockout. A mid-line recloser will be another sectionalizing point with reclosing that will help lessen the effect of a mainline fault beyond the recloser.

Estimate Annual Savings

Customer Minutes of Interruption: 27,429
Customer Interruptions: 330

DRBC05:

6X3 exits the Pleasant St S/S and branches to the left and right. In order to limit the scale of the outage, a sectionalizing device in each direction will prevent a full circuit outage. This project is for a recloser in the east direction of Pleasant St. It will replace a set of fuses on P.78.

Estimated Annual Savings:

Customer Minutes of Interruption: 27,774
Customer Interruptions: 334

UES Capital Construction Authorization

AUTH: **200160**
Date: **3/5/2020**

Budgeted Amount: **\$287,491.00**

Budget Item No: **DRBC20**
 Budget Year: **2020**
 Description: **Install Viper Recloser on Pleasant St - 6X3**
 Project Supervisor: **Balch, Stanley**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **3/5/2020 9:52:48 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **3/18/2020 7:48:56 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

Action Date	Approved	Approver/Title
3/12/2020	YES	Lydon, Lisa <i>Plant Accountant</i>
3/12/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>
3/12/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>
3/12/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>
3/17/2020	YES	Sprague, Kevin <i>VP, Engineering</i>
3/17/2020	YES	Diggins, Todd <i>Director, Finance</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$106,482.00
Less Customer Contribution:	\$0.00
Net Authorized Cost:	\$106,482.00
Retirement:	\$0.00
Cost Of Removal:	\$26,620.00
Salvage:	\$0.00
CWO Total:	\$79,862.00

DESCRIPTION/SCOPE

This authorization is to cover the costs of installing a three-phase G&W Viper recloser with cutouts as a by-pass at Pole 78 Pleasant Street in Concord.

JUSTIFICATION

Circuit 6X3 exits the Pleasant St S/S and branches to the left and right. In order to limit the scale of the outage, a sectionalizing device in each direction will prevent a full circuit outage. This project is for a recloser in the east direction of Pleasant St. It will replace a set of fuses on P.78.

Estimated Annual Savings:
 Customer Minutes of Interruption: 27,774
 Customer Interruptions: 334

NOTES

Intake# 40876

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201628	Install Viper Recloser on Pleasant St - 6X3	\$79,862.00
	Total	\$79,862.00

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Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	3
Budget Category:	DRBC00 Reliability Projects
Project Name:	Reliability Projects
Submitted By:	J.Goudreault
Project Categorizations	
	Reliability
Project Estimates	
Labor Time to Install (Man Hours):	320
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	160
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	16328
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	107000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	8808
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
DRBC01:	
This reliability budget project is to install fusesavers at 4 different locations.	
(1) @ Stickney Hill Rd, Hopkinton	
(1) @ Knox Rd, Bow	
(1) @ N. Main St, Boscawen	
(1) @ New Orchard Rd, Epsom	
These fusesaver installations will require additional work apart from the fusesaver installation, e.g. pole and wire replacements, etc.	
DRBC02:	
Replace cutouts and fuses at P.5 Mountain Rd, Concord with a Recloser.	
DRBC03:	
Install a micro-processor based recloser at P.168 Main St, Chichester. Remove the existing hydraulic recloser and low-side fuses	
DRBC04:	
Install a microprocessor-based recloser at P.5 Regional Dr., Concord.	
DRBC05:	
Install a microprocessor-based recloser at P.78 Pleasant St, Concord.	
Justification	
DRBC01:	

The identified areas experienced several patrolled, nothing found, animal, and broken limb-related outages. Fusesavers add one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings (total):

Customer Minutes of Interruption: 36,491
Customer Interruptions: 376

DRBC02:

15W1 has experienced several operations on the fuses at P.5 Mountain Rd. Replacing the fuses with a recloser allows reclosing to eliminate some of the outages.

Estimated Annual Savings:

Customer Minutes: 27,838
Customer Interruptions: 335

DRBC03:

The hydraulic recloser at P.167 Main St, Chichester does not coordinate well with downline devices. As such, there is low-side fusing for the step down transformers at P.164 and 166. These low-side fuses have operated multiple times in the last three years. The hydraulic recloser does allow for fuse savings downline. Replacing the hydraulic recloser and low-side fuses with a microprocessor-based recloser will allow reclosing for the 451 exposed customers.

Estimated Annual Savings:

Customer Minutes of Interruption: 45,125
Customer Interruptions: 439

DRBC04:

A number of motor vehicle accidents and large tree related outages occurred in 2018 that caused the substation recloser to trip to lockout. A mid-line recloser will be another sectionalizing point with reclosing that will help lessen the effect of a mainline fault beyond the recloser.

Estimate Annual Savings

Customer Minutes of Interruption: 27,429
Customer Interruptions: 330

DRBC05:

6X3 exits the Pleasant St S/S and branches to the left and right. In order to limit the scale of the outage, a sectionalizing device in each direction will prevent a full circuit outage. This project is for a recloser in the east direction of Pleasant St. It will replace a set of fuses on P.78.

Estimated Annual Savings:

Customer Minutes of Interruption: 27,774
Customer Interruptions: 334

USC Service Authorization	Authorization No: S-000249 Date: 4/21/2020 Budgeted Amount: \$320,000.00
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Classification: Budgeted Budget Item No: GSC02 Budget Year: 2020 Project Name: Power Plan Upgrade Project Supervisor: Laffond, Courtney	Type: Original Sequence: 1 Status: Completed Initiated Date: 4/21/2020 3:58:56 PM Initiated By: Laffond, Courtney Finalized Date: 4/30/2020 12:07:48 PM Finalized By: Laffond, Courtney
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
4/22/2020	YES	Hilton, Mary Jane <i>Sr. Plant Accountant</i>	Internal Labor:	\$20,000.00
4/22/2020	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Purchases:	\$0.00
4/22/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Contract Services:	\$439,678.00
4/22/2020	YES	Giegerich, Jonathan <i>Tax Manager</i>	Other Specific Charges:	\$0.00
4/29/2020	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Retirement:	\$0.00
4/29/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
4/29/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Total Project Amount:	\$459,678.00
4/29/2020	YES	Hurstak, Daniel <i>Controller</i>		
4/29/2020	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		

DESCRIPTION/SCOPE

An upgrade to the Power Plan software is required to stay current with the latest revision and enable us to receive support under our maintenance agreement.

Major Upgrade Components:
 -Tax Repairs
 -Lease Accounting Module (Disclosure Reporting)
 -Property Tax (New Filing Format for MA)
 -Security Capabilities

JUSTIFICATION

By upgrading the Power Plan software on a regular basis the system will allow the company to use all of the enhancements developed in the latest versions and stay current with all security enhancements. These upgrades are performed every three years.

Power Plan is critical component that allows accurate accounting in order to comply with SEC, FERC, SOX, audit and regulatory reporting.

The project amount over budget is due to a change in scope from the original statement of work provided by Power Plan based on Unital's need to separate the Time & Billing project from the Upgrade. Training workshops on new aspects of upgrade are included as well as preliminary workshops for Power Plan to understand how the systems are interfaced.

This is an estimate supplied by Power Plan.
 Est Schedule for April-Oct timeframe
 IT time includes ~ 20 hrs

NOTES

AUTHORIZATION COMMENTS

UES 31% C-200167-20202541 \$142,500.18
 FGE 25% F-020091-20203368 \$114,919.50
 NU-NH 19% N-020054-00200028 \$87,338.82
 NU-ME 23% M-020055-00200029 \$105,725.94
 GSG 2% T-020015-00200011 \$9,193.56

Capital Budget 2020 Unitil Service Corp	
Item Description	
Classification:	Budgeted
Year:	2020
Company:	Unitil Service Corp
Status:	[A] Accepted
Priority:	2
Budget Number:	GSC02
Budget Category:	Software/System
Item Name:	Power Plan Upgrade
Submitted By:	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>
Entered By:	Bickford, Tressa on 8/15/2017 8:34:49 AM <i>Manager Utility Accounting and Budgeting</i>
Status Changed By:	Clark, Karen on 1/14/2020 2:26:42 PM <i>IT Project Manager</i>
Estimates	
Internal Labor (\$):	20000
Purchases (\$):	
Contract Services (\$):	300000
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	
Description/Scope	
An upgrade to the Power Plan software is required to stay current with the latest revision and enable us to receive support under our maintenance agreement.	
Justification	
By upgrading the Power Plan software on a regular basis the system will allow the company to use all of the enhancements developed in the latest versions and stay current with all security enhancements.	
Power Plan is critical component that allows accurate accounting in order to comply with SEC, FERC, SOX, audit and regulatory reporting.	

UES Capital Construction Authorization

AUTH: 200172

Date: 5/26/2020

Budgeted Amount: \$99,765.00

Budget Item No: **DBBC09**
 Budget Year: **2020**
 Description: **Single Phase URD Line Ext 35 Howards Ln, Epsom-Billable**
 Project Supervisor: **Raymond, Gary**
 Crew Days: **3.1**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **5/26/2020 1:16:37 PM**
 Initiated By: **Otero, Heather**
 Finalized Date: **6/1/2020 1:52:48 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

Action Date	Approved	Approver/Title
5/26/2020	YES	Lydon, Lisa <i>Plant Accountant</i>
5/26/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>
5/29/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>
6/1/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>
5/26/2020	YES	Sprague, Kevin <i>VP, Engineering</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$10,735.56
Less Customer Contribution:	\$6,062.03
Net Authorized Cost:	\$4,673.53
Retirement:	\$0.00
Cost Of Removal:	\$0.00
Salvage:	\$0.00
CWO Total:	\$10,735.56

DESCRIPTION/SCOPE

This authorization is to install a single phase underground line extension 50' from an existing manhole to feed an addition at 35 Howards Ln in Epsom.
 A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PLAN
 C-20201637 UNDERGROUND BILLABLE \$10,735.56
 LESS: Customer Contribution \$6,062.03
 Company Portion: \$4,673.53
 Total Overhead Line Allowance \$4,673.53
 Number of Credits: 1
 Amount of each Credit: \$4,673.53

Total Project Cost: \$10,735.56

NOTES

Intake 41209

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201637	Single Phase URD Line Ext 35 Howards Ln, Epsom-Billable	\$10,735.56
	Total	\$10,735.56

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Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	777
Labor Time for Removal (Man Hours):	107
Transportation Expenses (Heavy Truck Hours):	442
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	802
Material UG Electric Construction (from Stockroom):	7468
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3591
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide service to our customers.	

UES Capital Construction Authorization

AUTH: 200173

Date: 6/15/2020

Budgeted Amount: \$99,765.00

Budget Item No: **DBBC10**
 Budget Year: **2020**
 Description: **Replace Pole to accomodate Primary URD Riser-1 Minuteman Way, Concord-Billable**
 Project Supervisor: **Raymond, Gary**
 Crew Days: **4.7**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **6/15/2020 2:27:39 PM**
 Initiated By: **Otero, Heather**
 Finalized Date: **6/18/2020 11:57:27 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/16/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$29,262.53
6/16/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$9,781.46
6/16/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$19,481.07
6/16/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
6/18/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
6/18/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$29,262.53

DESCRIPTION/SCOPE

This authorization is to replace the main line pole in order to accommodate a New 400' primary underground line extension to a padmount transformer to serve a new recycling center at 1 Minuteman Way in Concord
 The customer will pay the reduced estimated cost of this line extension and transformers, in accordance with the Economic Development Program. A Final accounting will be made after the work has been completed. The customer will be credited, or billed for the difference in the estimated and actual cost

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

SUMMARY: Excluding Transformers

C-20201638 Billable

Total Customer Contribution \$9,781.46

Construction Overheads \$6,838.50

Total Overhead Line Allowance: \$2,994.29
 Number of Credits: 1
 Amount of each Credit: \$2,994.29

C-20201639 Non-Billable \$9,648.28

Total Project Cost: \$29,262.53

NOTES

Intake 39358

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201638	Replace Pole to accomodate Primary URD Riser-1 Minuteman Way, Concord-Billable	\$19,614.25
20201639	Replace Pole to accomodate Primary URD Riser-1 Minuteman Way, Concord-Non Billable	\$9,648.28
Total		\$29,262.53

UES Capital Construction Authorization

AUTH: 200173

Date: 1/6/2021

Budgeted Amount: \$99,765.00

Budget Item No: DBBC10 Budget Year: 2020 Description: Replace Pole to accomodate Primary URD Riser-1 Minuteman Way, Concord-Billable Project Supervisor: Raymond, Gary Crew Days: 4.7 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 1/6/2021 2:16:39 PM Initiated By: Lloyd, Charles Finalized Date: 1/26/2021 9:49:17 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
1/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$36,556.86
1/7/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$17,726.61
1/7/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$18,830.25
1/18/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
1/18/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
1/19/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
1/26/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$36,556.86
1/26/2021	YES	Hurstak, Daniel <i>Controller</i>		
1/26/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization is to account for additional expenditures associated with additional work added to the project at the customers request. The additional work consisted of:

1. One Additional Padmount Transformer in order to remove an overhead bank
2. Additional second 450 foot run of Primary Underground Cable and associated material

The original authorization was to replace the main line pole in order to accommodate a New 400' primary underground line extension to a padmount transformer to serve a new recycling center at 1 Minuteman Way in Concord. The customer will pay the reduced estimated cost of this line extension and transformers, in accordance with the Economic Development Program. A Final accounting will be made after the work has been completed. The customer will be credited, or billed for the difference in the estimated and actual cost

JUSTIFICATION

Provide safe and reliable Electric service to a new recycling center at 1 Minute man Way Concord.

ECONOMIC DEVELOPMENT PROGRAM

SUMMARY: Excluding Transformers

C-20201638 Billable

Total Customer Contribution \$17,726.61

Construction Overheads \$12,536.54

Total Overhead Line Allowance: \$2,994.29
 Number of Credits: 1
 Amount of each Credit: \$2,994.29

C-20201639 Non-Billable \$18,830.25

Total Project Cost: \$29,262.53

NOTES

Intake 39358

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201638	Replace Pole to accomodate Primary URD Riser-1 Minuteman Way, Concord-Billable	\$17,726.61
20201639	Replace Pole to accomodate Primary URD Riser-1 Minuteman Way, Concord-Non Billable	\$18,830.25
	Total	\$36,556.86

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Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: DBBC00 Underground Line Extensions
Project Name: Underground Line Extensions
Submitted By: C. Lloyd

Project Categorizations

Customer Driven

Project Estimates

Labor Time to Install (Man Hours):	777
Labor Time for Removal (Man Hours):	107
Transportation Expenses (Heavy Truck Hours):	442
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	802
Material UG Electric Construction (from Stockroom):	7468
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3591
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	

Description/Scope

Underground Line Extensions Initiated by Developers / Customers. Over \$20,000

Justification

Provide service to our customers.

UES Capital Construction Authorization

AUTH: 200174

Date: 6/25/2020

Budgeted Amount: \$253,553.54

Budget Item No: SPBC10
Budget Year: 2020
Description: Bow Junction - Transformer High-Side Protection
Project Supervisor: Sherwood, Nathan
Crew Days: 7
Start Date:
Completion Date:

Type: Original
Sequence: 1
Status: Completed
Initiated Date: 6/25/2020 2:53:40 PM
Initiated By: Krell, Paul
Finalized Date: 7/6/2020 10:19:23 PM
Finalized By: Lydon, Lisa

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
6/30/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$253,553.54
6/30/2020	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
7/1/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$253,553.54
7/1/2020	YES	Krell, Paul <i>Manager Energy Sys. Engineer.</i>	Retirement:	\$300.00
7/1/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$3,000.00
7/1/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
7/1/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$250,553.54

DESCRIPTION/SCOPE

Replace the existing FA7T1 transformer high-side fusing with a new 38kV breaker.

JUSTIFICATION

In 2018, the Bow Bog Rd S/S transformer (18T2) was loaded to 98% of its nameplate rating. The solution to alleviate this transformer's loading condition is to shift approximately 800KVA of load from 18W2 to 7W3. This solution loads the Bow Junction S/S transformer (7T2) high-side fuse above planning guidelines. This high-side fuse replacement project will address the loading violation at Bow Junction S/S.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201640	Bow Junction - Transformer High-Side Protection	\$250,553.54
	Total	\$250,553.54

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: SPBC10 Substation Project
Project Name: Bow Junction - Transformer High-Side Protection
Submitted By: P. Krell / T. Glueck

Project Categorizations

Load

Project Estimates

Labor Time to Install (Man Hours):	80
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	40
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1100
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	40200
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	106250
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	300
Salvage:	0

Description/Scope

Replace existing FA7T1 transformer high-side fusing with new breaker.

Justification

In 2018, the Bow Bog Rd S/S transformer (18T2) was loaded to 98% of its nameplate rating. The solution to alleviate this transformer's loading condition is to shift approximately 800KVA of load from 18W2 to 7W3. This solution loads the Bow Junction S/S transformer (7T2) high-side fuse above planning guidelines. This high-side fuse replacement project will address the loading violation at Bow Junction.

UES Capital Construction Authorization

AUTH: **200175**
Date: **7/15/2020**
Budgeted Amount: **\$99,765.00**

Budget Item No: DBBC11 Budget Year: 2020 Description: Single Phase URD Line Extension Welch Rd, Canterbury-Billable Project Supervisor: Raymond, Gary Crew Days: 7.5 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 7/15/2020 3:01:38 PM Initiated By: Otero, Heather Finalized Date: 8/10/2020 5:53:37 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/24/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$35,360.20
7/28/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$20,065.10
7/29/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$15,295.10
8/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
7/27/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$35,360.20

DESCRIPTION/SCOPE

This authorization is to install a new 1200' single phase primary underground line extension to feed three pullboxes to a padmount transformer to service one home.

The customer will pay the reduced cost of the line extension as the overhead allowance has been deducted from the project cost up front.

A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and the actual cost.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PLAN

C-20201641 Billable
 Total Customer Contribution \$20,065.10
 Overhead Line Allowances \$6,587.05

C-20201642 Non-Billable \$8,708.05

Total Project Cost: \$35,360.20

Total Overhead Line Allowance \$6,587.05
 Number of Credits 1
 Amount of Each Credit \$ 6,587.05

NOTES

Intake 40338

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201641	Single Phase URD Line Extension Welch Rd, Canterbury-Billable	\$26,652.15
20201642	Single Phase URD Line Extension Welch Rd, Canterbury-Non Billable	\$8,708.05
	Total	\$35,360.20

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Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	777
Labor Time for Removal (Man Hours):	107
Transportation Expenses (Heavy Truck Hours):	442
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	802
Material UG Electric Construction (from Stockroom):	7468
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3591
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide service to our customers.	

UES Capital Construction Authorization

AUTH: **200178**

Date: **8/17/2020**

Budgeted Amount: **\$177,681.82**

Budget Item No: **DPBC06**
 Budget Year: **2020**
 Description: **Extend Brown Hill Rd, Bow - 22W3**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **8/17/2020 11:28:36 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **9/16/2020 5:56:05 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
8/31/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$231,524.08
8/31/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
9/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$231,524.08
9/16/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
9/1/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$46,304.82
9/16/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$185,219.26

DESCRIPTION/SCOPE

This project consists of replacing the existing single phase #6 cu Primary and neutral with 1/0 ACSR and installing a second 1/0 ACSR phase from Pole 1 Dunbarton Center Rd, Bow to Pole 15 Dunbarton Center Rd, Bow. Install an electronic recloser on the new phase at Pole 1 Dunbarton Center Rd, Bow. Replace the existing hydraulic recloser with an electronic recloser to match the new install. This is necessary to reduce the total loading on the single recloser currently at Pole 1 Dunbarton Center Rd, Bow.

JUSTIFICATION

A hydraulic recloser on P.1 Dunbarton Rd, Bow and single phase fuse on P.75 Brown Hill Rd, Bow are expected to be loaded at 91% and 99% of their continuous current ratings, respectively, in 2020.

NOTES

This project was modified from its original scope due to issues with land owners and the town of Bow, not wanting poles along Putney Rd.

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201647	Install additional phase on Dunbarton Center Rd	\$185,219.26
Total		\$185,219.26

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DPBC06 Distribution Projects
Project Name:	Extend Brown Hill Rd, Bow - 22W3
Submitted By:	T. Glueck
Project Categorizations	
	Load
Project Estimates	
Labor Time to Install (Man Hours):	160
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	80
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	8510.9
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	78116
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
<p>This project is to extend a single phase line down Brown Hill Rd in Bow. The purpose is to split load in that area between 22W3 and 18W2 and subsequently offload an overloaded recloser on 18W2. This project requires a single phase regulator to be installed at the start of Brown Hill Rd.</p> <p>Additionally, to complete this project, the I-89 crossing of 22W3 needs to be reconducted to 336AA. This was separately identified as a project for 2022.</p>	
Justification	
<p>A hydraulic recloser on P.1 Dunbarton Rd, Bow and single phase fuse on P.75 Brown Hill Rd, Bow are expected to be loaded at 91% and 99% of their continuous current ratings, respectively, in 2020.</p> <p>Also, reconductoring the I-89 crossing eliminates a future overload violation.</p>	

UES Capital Construction Authorization

AUTH: **200179**

Date: **8/27/2020**

Budgeted Amount: **\$99,765.00**

Budget Item No: **DBBC12**
 Budget Year: **2020**
 Description: **3 PH URD Line Extension Primary 10 Dover Rd, Chichester**
 Project Supervisor: **Raymond, Gary**
 Crew Days: **7.7**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **8/27/2020 2:39:30 PM**
 Initiated By: **Otero, Heather**
 Finalized Date: **9/1/2020 8:49:26 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
8/28/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$46,747.35
8/31/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$23,662.56
8/28/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$23,084.79
8/31/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
9/1/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$46,747.35

DESCRIPTION/SCOPE

This project is to install a new three phase primary underground line extension from Pole 15/129 through Pullbox 15/129-1 to Padmount Transformer 15/129-2 to feed a new commercial building on Dover Rd in Chichester.

JUSTIFICATION

ECONOMIC DEVELOPMENT PLAN

C-20201648 UNDERGROUND BILLABLE \$ 46,747.35
 Less: Customer Contribution \$23,006.73
 Company Portion: \$ 23,084.79

Total Overhead Line Allowance: \$5,098.56
 Number of Credits: 1
 Amount of each Credit: \$5,098.56

Total Project Cost: \$46,747.35

NOTES

INTAKE 40546

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201648	3 PH URD Line Extension Primary 10 Dover Rd, Chichester	\$46,747.35
	Total	\$46,747.35

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Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	777
Labor Time for Removal (Man Hours):	107
Transportation Expenses (Heavy Truck Hours):	442
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	802
Material UG Electric Construction (from Stockroom):	7468
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3591
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide service to our customers.	

UES Capital Construction Authorization

AUTH: 200183

Date: 9/4/2020

Budgeted Amount: \$39,291.00

Budget Item No: DABC04 Budget Year: 2020 Description: Single Phase OH Line Ext. 190 Manchester St, Concord-Billable Project Supervisor: Raymond, Gary Crew Days: 4.7 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 9/4/2020 2:04:44 PM Initiated By: Otero, Heather Finalized Date: 9/14/2020 8:55:32 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
9/9/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$35,445.73
9/10/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$21,887.01
9/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$13,558.72
9/11/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
9/11/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$35,445.73

DESCRIPTION/SCOPE

This project is to install a new single phase overhead line extension two spans along with relocating an existing pole to feed new pumps on Manchester St in Concord.

A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and the actual cost.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PLAN

C-20201652 Billable
Total Customer Contribution \$21,887.01

C-20201653 Non-Billable \$13,558.72

Total Project Cost: \$35,445.73

NOTES

Intake 40789

AUTHORIZATION COMMENTS

CWO Summary		
CWO	Description	Amount
20201652	Single Phase OH Line Ext. 190 Manchester St, Concord-Billable	\$21,887.01
20201653	Single Phase OH Line Ext. 190 Manchester St, Concord-Non-Billable	\$13,558.72
	Total	\$35,445.73

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DABC00 Overhead Line Extensions
Project Name:	Overhead Line Extensions
Submitted By:	C.Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	310
Labor Time for Removal (Man Hours):	67
Transportation Expenses (Heavy Truck Hours):	188
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1002
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1411
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Overhead Line Extensions Initiated by Developers / Customers.	
Justification	
Provide Service to our customers. Estimate based on history with emphasis on last two years.	

UES Capital Construction Authorization

AUTH: 200164

Date: 9/8/2020

Budgeted Amount: \$71,757.00

Budget Item No: DEBC03 Budget Year: 2020 Description: Relocate 15 Poles along Rt3A and Dunklee Rd for State Rd Widening Project Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 9/8/2020 12:28:14 PM Initiated By: Lloyd, Charles Finalized Date: 9/14/2020 8:55:29 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
9/9/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$208,221.00
9/10/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
9/10/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$208,221.00
9/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
9/11/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$41,644.20
9/11/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
9/11/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$166,576.80
9/11/2020	YES	Hurstak, Daniel <i>Controller</i>		
9/13/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This authorization is to relocate 16 sections of three phase overhead Primary and secondary from the east side of Rt 3A to the West side, to allow for State to widen Rt 3A and rebuild the intersection of Dunklee Rd. There are also 2 bridge replacements within the scope of this project. Consolidated Communications will install 16 new poles on Rt 3A and 2 new poles on Dunklee Rd. UES contractor will install approx 5000 feet of new 3 phase 336 Al Primary and 1700 feet of 4/0 ACSR neutral conductor along Rt 3A. They will also replace approx 1800 feet of 3 phase 1/0 ACSR along Dunklee Rd.

JUSTIFICATION

Comply with State and Federal Highway regulations for a State of NH DOT initiated road widening and bridge replacement project.

NOTES

AUTHORIZATION COMMENTS

This project was not anticipated to begin during the 2020 budget year. This project was estimated in 2016, but was put on hold by the Town of Bow and State of NH DOT. The project was reinstated in Feb of 2020

CWO Summary

CWO	Description	Amount
20201654	Relocate 15 Poles along Rt3A and Dunklee Rd for State Rd Widening Project	\$166,576.80
	Total	\$166,576.80

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 2
Budget Category: DEBC00 Highway Projects
Project Name: Highway Projects
Submitted By: C.Lloyd

Project Categorizations

Government, Regulatory/Legal

Project Estimates

Labor Time to Install (Man Hours):	225
Labor Time for Removal (Man Hours):	26
Transportation Expenses (Heavy Truck Hours):	126
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	3720
Material UG Electric Construction (from Stockroom):	1476
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	11684
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	687
Salvage:	292

Description/Scope

State, City or Town initiated highway project that causes the Company to relocate facilities.

Justification

Governmental Requirement

UES Capital Construction Authorization

AUTH: 200186

Date: 9/30/2020

Budgeted Amount: \$99,765.00

Budget Item No: DBBC13 Budget Year: 2020 Description: Single Phase URD Primary Line Ext. 129 Oak Hill Rd, Concord-Billable Project Supervisor: Raymond, Gary Crew Days: 3.3 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 9/30/2020 2:25:43 PM Initiated By: Otero, Heather Finalized Date: 10/14/2020 10:46:50 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
10/6/2020	YES	Hilton, Mary Jane <i>Sr. Plant Accountant</i>	Total Project Cost:	\$28,995.13
10/7/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$7,582.58
10/12/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$21,412.55
10/13/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
10/7/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$28,995.13

DESCRIPTION/SCOPE

This authorization is to install a new single phase underground line extension to feed one customer.

The company will support the cost of replacing the main line pole and one section.

The customer will support the cost of the remaining line section.

A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and the actual cost.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PROGRAM

C-20201656 Underground Billable \$14,367.20
 Line Allowance: \$6,784.62
 Less: Customer Contribution \$7,582.58

C-20201657 Underground Non Billable \$14,627.93

Total Company Cost \$14,627.93

Summary
 Customer Contribution \$7,582.58
 Non Billable Work \$21,412.55

Total Project Cost \$28,995.13

NOTES

Intake 41703

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201656	Single Phase URD Primary Line Ext. 129 Oak Hill Rd, Concord-Billable	\$7,582.58
20201657	Single Phase URD Primary Line Ext. 129 Oak Hill Rd, Concord-Non-Billable	\$21,412.55
Total		\$28,995.13

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Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	777
Labor Time for Removal (Man Hours):	107
Transportation Expenses (Heavy Truck Hours):	442
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	802
Material UG Electric Construction (from Stockroom):	7468
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3591
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide service to our customers.	

USC Service Authorization			Authorization No: S-000255	
			Date: 10/26/2020	
			Budgeted Amount: \$45,000.00	
Classification: Budgeted Budget Item No: GSC30 Budget Year: 2020 Project Name: Debt Management Software Project Supervisor:		Type: Original Sequence: 1 Status: Completed Initiated Date: 10/26/2020 10:52:08 AM Initiated By: Diggins, Todd Finalized Date: 12/4/2020 2:36:38 PM Finalized By: Laffond, Courtney		
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
10/26/2020	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Internal Labor:	\$15,000.00
10/26/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Purchases:	\$25,000.00
11/16/2020	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Contract Services:	\$5,000.00
11/16/2020	YES	Hurstak, Daniel <i>Controller</i>	Other Specific Charges:	\$0.00
			Retirement:	\$0.00
			Salvage:	\$0.00
			Total Project Amount:	\$45,000.00
DESCRIPTION/SCOPE				
<p>Tracks outstanding debt. Provides a structured set of debt obligations with call, sinking fund, term, and redemptions. Reports on remaining par, interest, and principal payments for all securities associated with a bond issue.</p> <p>Archive all data related to debt issuance and provide easy access by multiple stakeholders across the organization</p> <p>Improve accuracy by automatically generating debt service schedules, accrual of interest, amortization of costs of issuance.</p> <p>Streamline internal accounting for outstanding obligations by automatically creating general ledger journal entries.</p> <p>Automate and enhance internal and external debt reporting.</p>				
JUSTIFICATION				
<p>Currently all debt tracking and interest payment calculation are done in Excel spreadsheets. The number of bonds/notes outstanding has grown and the management has become more complex. We currently have ~24 outstanding debt issuances with over 200 unique debt service payments for ~\$42 million to ~30 different holders (or nominees).</p> <p>In addition, the holders of our debt constantly changes, which also has to be tracked and managed.</p> <p>Missing a single debt payment will put us in default and the bond/note will become immediately due and payable.</p> <p>There will be an associated monthly/yearly time savings for both Finance and General Accounting.</p>				
NOTES				
AUTHORIZATION COMMENTS				
UES 31% C-200189-20202546 \$13,950.00 FGE 25% F-020117-20203377 \$11,250.00 NU-NH 19% N-020089-00200029 \$8,550.00 NU-ME 23% M-020071-00200030 \$10,350.00 GSG 2% T-020019-00200012 \$900.00				

Capital Budget 2020 Unutil Service Corp

Item Description

Classification: Budgeted
Year: 2020
Company: Unutil Service Corp
Status: [A] Accepted
Priority: 2
Budget Number: GSC30
Budget Category: Software/System
Item Name: Debt Management Software
Submitted By: Diggins, Todd
Treasurer, Director, Finance
Entered By: Diggins, Todd on 8/23/2019 1:34:03 PM
Treasurer, Director, Finance
Status Changed By: Diggins, Todd on 8/13/2020 12:16:24 PM
Treasurer, Director, Finance

Estimates

Internal Labor (\$):	15000
Purchases (\$):	25000
Contract Services (\$):	5000
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

Tracks outstanding debt. Provides a structured set of debt obligations with call, sinking fund, term, and redemptions. Reports on remaining par, interest, and principal payments for all securities associated with a bond issue.

Archive all data related to debt issuance and provide easy access by multiple stakeholders across the organization

Improve accuracy by automatically generating debt service schedules, accrual of interest, amortization of costs of issuance.

Streamline internal accounting for outstanding obligations by automatically creating general ledger journal entries.

Automate and enhance internal and external debt reporting.

Justification

Currently all debt tracking and interest payment calculation are done in Excel spreadsheets. The number of bonds/notes outstanding has grown and the management has become more complex. We currently have ~24 outstanding debt issuances with over 200 unique debt service payments for ~\$42 million to ~30 different holders (or nominees).

In addition, the holders of our debt constantly changes, which also has to be tracked and managed.

Missing a single debt payment will put us in default and the bond/note will become immediately due and payable.

There will be an associated monthly/yearly time savings for both Finance and General Accounting.

UES Capital Construction Authorization

AUTH: 200190

Date: 11/6/2020

Budgeted Amount: \$39,291.00

Budget Item No: DABC05 Budget Year: 2020 Description: Single Phase OH Line Ext. 13 Knowlton Rd, Boscawen-Billable Project Supervisor: Raymond, Gary Crew Days: 2.5 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 11/6/2020 11:58:58 AM Initiated By: Otero, Heather Finalized Date: 11/16/2020 10:43:55 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
11/12/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$33,246.40
11/12/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$6,291.83
11/16/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$26,954.57
11/13/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
11/16/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$33,246.40

DESCRIPTION/SCOPE

This authorization is to install a single phase overhead line extension and installation of 2 poles to feed a new three lot sub-division in Boscawen.

The customer will pay the reduced estimated cost of this line extension and transformers, in accordance with the Economic Development Program.

A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM
 Justification: SUMMARY: Excluding Transformers

C-20201660 Billable

Total Customer Contribution \$6,291.83

Construction Overheads \$6,967.56

Total Overhead Line Allowance: \$4,849.75
 Number of Credits: 1
 Amount of each Credit: \$4,849.75

C-20201661 Non-Billable \$15,137.25

Total Project Cost: \$33,246.40

NOTES

Intake 41470

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201660	Single Phase OH Line Ext. 13 Knowlton Rd, Boscawen-Billable	\$18,109.15
20201661	Single Phase OH Line Ext. 13 Knowlton Rd, Boscawen-Non Billable	\$15,137.25
	Total	\$33,246.40

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Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DABC00 Overhead Line Extensions
Project Name:	Overhead Line Extensions
Submitted By:	C.Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	310
Labor Time for Removal (Man Hours):	67
Transportation Expenses (Heavy Truck Hours):	188
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1002
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1411
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Overhead Line Extensions Initiated by Developers / Customers.	
Justification	
Provide Service to our customers. Estimate based on history with emphasis on last two years.	

UES Capital Construction Authorization

AUTH: **200193**

Date: **11/13/2020**

Budgeted Amount: **\$39,291.00**

Budget Item No: DABC06 Budget Year: 2020 Description: Relocation of 5 Utility Poles 87 White Rock Hill Rd, Bow Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 11/13/2020 2:03:25 PM Initiated By: Otero, Heather Finalized Date: 11/18/2020 1:32:48 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
11/17/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$18,367.71
11/17/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$11,300.66
11/18/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$7,067.05
11/18/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
11/17/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$18,367.71

DESCRIPTION/SCOPE

This authorization is to cover costs related to relocating 5 Utility Poles to accommodate a new sub-division.

The customer will pay in advance the reduced estimated cost of this line extension in accordance with the Economic Development Program.

A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

C-20201664 Billable \$18367.71
 Less: Customer Contribution \$11,300.66

Company Cost: 7,067.05

SUMMARY:
 Customer Contribution \$11,300.66
 Construction Overheads \$7,067.05

Total Project Cost: \$18,367.71

NOTES

Intake 39955

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201664	Relocation of 5 Utility Poles 87 White Rock Hill Rd, Bow	\$18,367.71
	Total	\$18,367.71

Printed: 2/6/2022 8:28:13 AM

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: DABC00 Overhead Line Extensions
Project Name: Overhead Line Extensions
Submitted By: C.Lloyd

Project Categorizations

Customer Driven

Project Estimates

Labor Time to Install (Man Hours):	310
Labor Time for Removal (Man Hours):	67
Transportation Expenses (Heavy Truck Hours):	188
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1002
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1411
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	

Description/Scope

Overhead Line Extensions Initiated by Developers / Customers.

Justification

Provide Service to our customers.
 Estimate based on history with emphasis on last two years.

UES Capital Construction Authorization

AUTH: 200194

Date: 11/25/2020

Budgeted Amount: \$127,980.72

Budget Item No: DPBC05 Budget Year: 2020 Description: Manhole improvements MH 6 Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 11/25/2020 11:17:15 AM Initiated By: Lloyd, Charles Finalized Date: 1/4/2021 10:04:37 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
12/8/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$229,078.00
12/8/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
12/8/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$229,078.00
12/9/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
12/9/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$45,816.00
12/9/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
12/29/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$183,262.00
12/29/2020	YES	Hurstak, Daniel <i>Controller</i>		
12/29/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This authorization is to replace the existing roof for Manhole # 6, with a precast concrete roof.

TF Moran has been contracted to design a new roof system.

ICR and sons has been contracted to perform the replacement. They will be responsible for obtaining any and all permits from the city of Concord and State of NH if required and provide the City with an engineered Traffic Plan.

JUSTIFICATION

Concord line crews identified deterioration within a number of manholes. Because of this, TF Moran was hired to evaluate and make suggestions on the work needed to bring this manhole back to an acceptable level of strength and increase their life span.

MH 6 is in need of immediate attention but is in a typical low load hazard area.

The majority of the work will be performed in the spring of 2021.

The Engineering and purchase of the new roof is expected to be completed in 2020.

NOTES

AUTHORIZATION COMMENTS

The difference between the original budget amount and net authorized cost is as follows:

The original scope and recommendation for this project was to reinforce the existing steel rebar, by welding new rebar to existing and resurface the concrete roof. Upon closer investigation, it was determined there was not enough solid rebar to weld to for successful reinforcement. A new plan was developed by TF. Moran to replace the entire roof with a new precast roof.

CWO Summary

CWO	Description	Amount
20201665	Replace roof with Precast roof	\$183,262.00
	Total	\$183,262.00

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	DPBC05 Distribution Projects
Project Name:	Manhole improvements MH 6
Submitted By:	C.Esmaeili
Project Categorizations	
Safety, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	16
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	8
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	77250
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	
Description/Scope	
Replace steel supports and Manhole cover chimneys.	
MH 6 Weld steel plates to beams and replace brick manhole cover chimneys	
Justification	
Concord line crews identified deterioration within a number of manholes. Because of this, TF Moran was hired to evaluate and make suggestions on the work needed to bring this manhole back to an except able level of strength and increase their life span. This evaluation concluded MH17 is in need of immediate attention and is in a high load hazard area, MH 6 is in need of immediate attention but are in typical low load hazard area and MH15 is in need of attention, but is not critical . No timeframe of need was provided.	

UES Capital Construction Authorization

AUTH: **200195**

Date: **12/1/2020**

Budgeted Amount: **\$250,000.00**

Budget Item No: EECC01 Budget Year: 2020 Description: Radio Upgrade Project Project Supervisor: Goudreault, James Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 12/1/2020 2:24:09 PM Initiated By: Goudreault, James Finalized Date: 12/4/2020 10:21:03 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
12/2/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$105,000.00
12/2/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
12/2/2020	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Net Authorized Cost:	\$105,000.00
12/2/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Retirement:	\$0.00
12/3/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Cost Of Removal:	\$0.00
12/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Salvage:	\$0.00
12/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	CWO Total:	\$105,000.00
12/4/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>		

DESCRIPTION/SCOPE

This project consists of replacing the existing two-way truck radio system with a cellular based PTT system. This technology was tested and proven to be effective in the Concord region. The first time purchase and installation and month recurring costs of this system are less than originally budgeted since UES will not own any assets and pay attachment lease fees on third party towers.

JUSTIFICATION

This upgrade will address narrow banding requirements set by the FCC, replace aging equipment that is becoming more difficult to maintain, provide GPS location information for improved dispatch, and upgrade the poor performing dispatch consoles.

Benefits:

- o Modernizes radio system with digital communications including data capabilities.
- o Replaces 20 -25 year old obsolete equipment. Replacement equipment is becoming costly and very difficult to obtain.
- o Improves radio clarity and Increased coverage to fill existing gaps.
- o Provides automated vehicle location throughout territory via built in GPS. This includes handheld radios provided to contractors during storm response.
- o Provides more robust and reliable dispatch solution and addresses current systems' poor performance
- o Continues planned upgrades across all electric operating centers (FGE upgrade completed in 2012, Seacoast currently in progress)

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20202548	Radio Upgrade Project	\$105,000.00
	Total	\$105,000.00

Capital Budget 2020 UES Capital

Project Description

Year: 2020
Company: UES Capital
Status: [A] Accepted
Priority: 2
Budget Category: EECC01 Communications, Carryover
Project Name: Radio Upgrade Project
Submitted By: J. Goudreault

Project Categorizations

Regulatory/Legal, Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	250000
Overhead on Specific Charges (%):	0
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

This is the carryover of the upgrade for the UES Capital radio systems to an all-digital solution and replace narrow band handheld radios. This replacement will include an upgrade of the Dispatch consoles in Portsmouth and local distribution operating centers.

Justification

This upgrade will address narrow banding requirements set by the FCC, replace aging equipment that is becoming more difficult to maintain, provide GPS location information for improved dispatch, and upgrade the poor performing dispatch consoles.

Benefits:

- o Modernizes radio system with digital communications including data capabilities.
- o Replaces 20 -25 year old obsolete equipment. Replacement equipment is becoming costly and very difficult to obtain.
- o Improves radio clarity and Increased coverage to fill existing gaps.
- o Provides automated vehicle location throughout territory via built in GPS. This includes handheld radios provided to contractors during storm response.
- o Provides more robust and reliable dispatch solution and addresses current systems' poor performance
- o Continues planned upgrades across all electric operating centers (FGE upgrade completed in 2012, Seacoast currently in progress)

UES Capital Construction Authorization

AUTH: **200196**

Date: **12/2/2020**

Budgeted Amount: **\$99,765.00**

Budget Item No: DBBC16 Budget Year: 2020 Description: Three Phase URD Line Ext 149 East Side Dr, Concord-Billable Project Supervisor: Raymond, Gary Crew Days: 9.8 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 12/2/2020 1:20:53 PM Initiated By: Otero, Heather Finalized Date: 12/21/2020 8:35:55 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
12/15/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$64,155.86
12/18/2020	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$22,310.44
12/18/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$41,845.42
12/18/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
12/21/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$64,155.86

DESCRIPTION/SCOPE

This authorization is for the upgrade from single phase to three phase underground primary and to replace the existing rise pole to service newly renovated and expanded buildings at 149 East Side Dr in Concord.

The customer will pay the reduced estimated cost of this line extension and transformers, in accordance with the Economic Development Program.

A Final accounting will be made after the work has been completed. The customer will be credited, or billed for the difference in the estimated and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM
 Justification: SUMMARY:Excluding Transformers:

C-20201666 Underground Billable \$27,561.10
 Less: Customer Contribution \$22,310.45

Total Overhead Line Allowance: \$5,250.65
 Number of Credits: 1
 Amount of each Credit: \$5,250.65

C-20201667 Underground Non Billable \$19,359.00

Net Authorized Amount \$41,845.42

Summary
 Customer Contribution \$22,310.44
 Overhead Line Allowance \$5,250.65
 Construction Overheads \$17,235.76
 Non Billable Work \$19,359.00

Total Project Cost \$64,155.86

NOTES

Intake 40280

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201666	Three Phase URD Line Ext 149 East Side Dr, Concord-Billable	\$44,796.86
20201667	Three Phase URD Line Ext 149 East Side Dr, Concord-Non Billable	\$19,359.00
	Total	\$64,155.86

Printed: 2/6/2022 8:24:14 AM

Capital Budget 2020 UES Capital	
Project Description	
Year:	2020
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	777
Labor Time for Removal (Man Hours):	107
Transportation Expenses (Heavy Truck Hours):	442
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	802
Material UG Electric Construction (from Stockroom):	7468
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3591
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide service to our customers.	

UES Seacoast Construction Authorization

AUTH: **201900**
Date: **2/3/2020**

Budgeted Amount: **\$1,608,686.61**

Budget Item No: **BABE20**
 Budget Year: **2020**
 Description: **T&D Improvements**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/3/2020 2:08:41 PM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/5/2020 3:04:34 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$678,500.00
2/4/2020	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$35,000.00
2/4/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$643,500.00
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$4,000.00
2/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$128,000.00
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$500.00
2/4/2020	YES	Diggins, Todd <i>Director, Finance</i>	Blanket Authorization Total:	\$551,000.00
2/5/2020	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
2/5/2020	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This authorization covers the costs associated with minor additions and improvements (under \$30,000) to the sub-transmission, distribution and substation systems where such improvements cannot be reasonably identified and budgeted as a specific project. The majority of this work is driven from our inspection programs and routine improvements to the system as a result of customer complaints or other findings.

The total amount of this authorization covers the costs projected for the first six (6) months of 2020 which was derived from reviewing historical expenditures for the first six (6) months as follows:

Year First 6 months % of Total Expenditure

2013 \$508,900 38%
 2014 \$541,400 36%
 2015 \$607,500 39%
 2016 \$711,100 46%
 2017 \$648,800 35%
 2018 \$645,500 40%
 2019 \$636,300 46%

Total Budgeted Amount \$1,608,686
 Authorization Amount \$ 643,500 (40% of total budget)
 Balance \$965,186

JUSTIFICATION

Replacement and addition of various types of equipment.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast
Construction Authorization

Docket No. DE 21-030
Schedule CGKS-2 (Auth & Bud Inputs)
Page 194 of 476
AUTH: 201000
Date: 7/5/2020
Budgeted Amount: \$1,608,686.61

Budget Item No: **BABE20**
Budget Year: **2020**
Description: **T&D Improvements**
Project Supervisor: **Wade, Scott**
Crew Days: **0**

Type: **Revision**
Sequence: **2**
Status: **Completed**
Initiated Date: **7/5/2020 1:13:14 PM**
Initiated By: **Wade, Scott**
Finalized Date: **7/8/2020 1:20:09 PM**
Finalized By: **Lydon, Lisa**

Start Date:
Completion Date:

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/6/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,675,800.00
7/7/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$64,000.00
7/7/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,611,800.00
7/7/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$10,000.00
7/8/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$320,000.00
7/8/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,000.00
7/8/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$1,356,800.00
7/8/2020	YES	Hurstak, Daniel <i>Controller</i>		
7/8/2020	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with minor additions and improvements to the sub-transmission and distribution systems where such improvements cannot be reasonably identified and budgeted as a specific project. The majority of this work stems from our own inspection programs, routine improvements to the system as a result of customer complaints and other findings.

The total year projection was derived from reviewing year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year.

Initial Authorization for first six months \$643,500
YTD (through June) Actual Expenditures \$766,700
Total Budgeted Amount \$1,608,686
Revised Authorization Amount \$1,611,800
Variance + \$3,114

JUSTIFICATION

Replacement and addition of various types of equipment.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BABE20 T&D Improvements
Project Name:	T&D Improvements
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven, Voltage, Repair/Replacement, Other	
Project Estimates	
Labor Time to Install (Man Hours):	2700
Labor Time for Removal (Man Hours):	500
Transportation Expenses (Heavy Truck Hours):	1600
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	129000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	500
Contract Services:	430000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	4
EDP? (Yes or No):	No
Retirement:	8670
Salvage:	1122
Description/Scope	
This budget item is to cover the costs associated with minor additions and improvements to the T & D system (less than \$30k) where such improvements cannot be reasonably identified and budgeted as a specific project. The majority of this work stems from our own inspection programs and routine improvements to the system as a result of customer complaints or other findings and EWR's.	
Justification	
Replacement of defective equipment on a scheduled basis, intercompany replacements and changeovers.	

UES Seacoast
Construction Authorization

Docket No. DE 21-030
Schedule CGKS-2 (Auth & Bud Inputs)
Page 196 of 476
AUTH: 201001
Date: 2/4/2020
Budgeted Amount: \$437,590.56

Budget Item No: **BBBE20**
Budget Year: **2020**
Description: **New Customer Additions**
Project Supervisor: **Wade, Scott**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Original**
Sequence: **1**
Status: **Completed**
Initiated Date: **2/4/2020 1:16:15 PM**
Initiated By: **Page, Laurie**
Finalized Date: **2/10/2020 6:59:06 PM**
Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/5/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$218,595.00
2/5/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$21,879.00
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$196,716.00
2/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$2,520.00
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$39,400.00
2/10/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$225.00
			Blanket Authorization Total:	\$179,420.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with construction necessary to service new customers which would not be covered under other line extension categories (under \$30k and no customer contributions). Examples are services and one pole line extensions and associated work with the same.

The total amount of this authorization covers the costs projected for the first six (6) months of 2020 which was derived from reviewing historical expenditures as follows:

Year. First Six Months % of actual total

2014 \$207,800 47%
2015 \$183,200 39%
2016 \$263,500 55%
2017 \$197,600 39%
2018 \$238,300 45%
2019 \$186,400 44%

Total Budgeted Amount \$437,591
Authorization Amount \$196,916 (45% of total)
Balance \$240,675

JUSTIFICATION

Customer Driven

NOTES

AUTHORIZATION COMMENTS

UES Seacoast
Construction Authorization

Docket No. DE 21-030
Schedule CGKS-2 (Auth & Bud Inputs)
Page 197 of 476
AUTH: 201001
Date: 7/5/2020
Budgeted Amount: \$437,590.56

Budget Item No: **BBBE20**
Budget Year: **2020**
Description: **New Customer Additions**
Project Supervisor: **Wade, Scott**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Revision**
Sequence: **2**
Status: **Completed**
Initiated Date: **7/5/2020 1:39:37 PM**
Initiated By: **Wade, Scott**
Finalized Date: **7/14/2020 9:45:47 AM**
Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/6/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$539,700.00
7/7/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$52,000.00
7/7/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$487,700.00
7/7/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$5,000.00
7/8/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$90,000.00
7/8/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$500.00
7/8/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$450,200.00
7/13/2020	YES	Hurstak, Daniel <i>Controller</i>		
7/14/2020	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with the construction necessary to service new customers which would not be covered under other line extension categories (under \$30k and no customer contributions). Examples are services and one pole line extensions and associated work with the same.

The total year projection was derived from reviewing year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year.

Initial Authorization for first six months \$196,700
YTD (through June) Actual Expenditures \$292,200
Total Budgeted Amount \$437,600
Revised Authorization Amount \$487,700
Variance +\$50,100

JUSTIFICATION

Customer Driven

NOTES

AUTHORIZATION COMMENTS

UES Seacoast Construction Authorization

AUTH: **201901**

Date: **1/6/2021**

Budgeted Amount: **\$437,590.56**

Budget Item No: BBBE20 Budget Year: 2020 Description: New Customer Additions Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Revision Sequence: 3 Status: Completed Initiated Date: 1/6/2021 9:27:25 AM Initiated By: Wade, Scott Finalized Date: 1/26/2021 9:49:47 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
1/6/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$845,000.00
1/6/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$70,000.00
1/6/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$775,000.00
1/18/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$8,000.00
1/18/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$146,000.00
1/19/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,000.00
1/26/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$700,000.00
1/26/2021	YES	Hurstak, Daniel <i>Controller</i>		
1/26/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with the construction necessary to service new customers which would not be covered under other line extension categories (under \$30k and no customer contributions). Examples are services and one pole line extensions and associated work with the same.

Initial Authorization for first six months \$196,700
 Total Expenditure through Dec \$744,280
 Total Budgeted Amount \$437,600
 2nd Revision Amount \$487,700
 Revised Authorization Amount \$775,000
 Variance \$287,300

In 2020 we experienced one of the highest expenditure levels in several years whereby a high level of new services, small line extensions and associated work was experienced all of which was required in order to provide new electric service to our customers. One of the notable factors associated with the majority of this higher than usual expenditures was that several of the new service requests required additional work along our main lines such as replacing and changing over poles to accommodate the installation of a new transformer or a lateral for a single pole line extension.

JUSTIFICATION

Customer Driven

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BBBE20 New Customer Additions
Project Name:	New Customer Additions
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	1300
Labor Time for Removal (Man Hours):	300
Transportation Expenses (Heavy Truck Hours):	800
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	26000
Material UG Electric Construction (from Stockroom):	39000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	48000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	10
EDP? (Yes or No):	No
Retirement:	5600
Salvage:	500
Description/Scope	
This budget item covers the costs associated with construction necessary to service new customers which would not be covered under other line extension categories (under \$30k and no customer contributions). Examples are services and one pole line extensions and associated work with the same.	
Justification	
Customer Driven	

UES Seacoast
Construction Authorization

Docket No. DE 21-030
Schedule CGKS-2 (Auth & Bud Inputs)
Page 200 of 476
AUTH: 201002
Date: 2/4/2020
Budgeted Amount: \$182,802.37

Budget Item No: **BCBE20**
Budget Year: **2020**
Description: **Outdoor Lighting**
Project Supervisor: **Wade, Scott**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Original**
Sequence: **1**
Status: **Completed**
Initiated Date: **2/4/2020 1:33:36 PM**
Initiated By: **Page, Laurie**
Finalized Date: **2/18/2020 9:13:52 AM**
Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/5/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$88,632.00
2/5/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$887.00
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$87,745.00
2/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$1,200.00
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$17,549.00
2/17/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$96.00
			Blanket Authorization Total:	\$71,179.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with the installation and replacement of light fixtures for either new customers (installation) or existing customers (replacement of failed units).

The total amount of this authorization covers the costs projected for the first six (6) months of 2020 which was derived from reviewing historical expenditures as follows:

Year First 6 months % of Full Year Actual

2014 \$117,100 51%
2015 \$ 60,000 44%
2016 \$117,900 43%
2017 \$110,700 54%
2018 \$75,500 48%
2019 \$67,200 47%

Total Budgeted Amount \$182,802
Authorization Amount \$87,745 (48% of total)
Balance \$95,057

JUSTIFICATION

Customer driven and obligation to maintain/replace existing lights.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BCBE20 Outdoor Lighting
Project Name:	Outdoor Lighting
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	300
Labor Time for Removal (Man Hours):	100
Transportation Expenses (Heavy Truck Hours):	200
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	38000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3500
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	1
EDP? (Yes or No):	No
Retirement:	2500
Salvage:	200
Description/Scope	
This budget item covers the costs associated with the installation and replacement of light fixtures for either new customers (installation) or existing customers (replacement of failed units).	
Justification	
Customer driven and obligation to maintain/replace existing lights.	

UES Seacoast
Construction Authorization

Docket No. DE 21-030
Schedule CGKS-2 (Auth & Bud Inputs)
Page 202 of 476
AUTH: 201003
Date: 2/4/2020
Budgeted Amount: \$472,396.22

Budget Item No: BDBE20 Budget Year: 2020 Description: Emergency & Storm Restoration Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/4/2020 1:01:28 PM Initiated By: Page, Laurie Finalized Date: 2/10/2020 6:59:08 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/5/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$236,178.00
2/5/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$236,178.00
2/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$5,355.00
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$47,240.00
2/10/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$1,020.00
			Blanket Authorization Total:	\$189,958.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with the necessary replacements to our facilities under emergency (unscheduled) and "minor" storm conditions.

The total amount of this authorization covers the costs projected for the first six (6) months of 2020 which was derived from reviewing historical expenditures as follows:

Year First 6 mo. % of Full Year Actual

2017 \$1,335,300* 198% *
 2018 \$1,918,000* 221% *
 2019 \$ 284,800 18%

* These amounts reflect major storms that may not be transferred to a recovery account until later in that year or early the following year hence the notable variance compared to budgeted amounts.

Total Budgeted Amount \$472,396
 Authorization Amount \$236,198 (50% of total)
 Balance \$236,198

JUSTIFICATION

Maintain satisfactory level of service to customer by providing reliable electric service.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast
Construction Authorization

Docket No. DE 21-030
Schedule CGKS-2 (Auth & Bud Inputs)
Page 203 of 476
201003
AUTH: **201003**
Date: **7/5/2020**
Budgeted Amount: **\$472,396.22**

Budget Item No: **BDBE20**
Budget Year: **2020**
Description: **Emergency & Storm Restoration**
Project Supervisor: **Wade, Scott**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Revision**
Sequence: **2**
Status: **Completed**
Initiated Date: **7/5/2020 2:06:20 PM**
Initiated By: **Wade, Scott**
Finalized Date: **7/14/2020 9:47:48 AM**
Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/6/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$589,000.00
7/7/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
7/7/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$589,000.00
7/7/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$12,000.00
7/8/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$120,000.00
7/8/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$2,000.00
7/8/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$471,000.00
7/13/2020	YES	Hurstak, Daniel <i>Controller</i>		
7/14/2020	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the additional costs associated with the necessary replacements to our facilities under emergency (unscheduled) and "minor" storm conditions.

Initial Authorization \$236,200
Actual Expenditure through June 2020: \$364,100
Revised authorization Amount \$589,000
Budgeted Amount: \$472,400
Variance + \$116,600

NOTE: This years trending is higher than expected therefore this revised authorization amount is over the budgeted amount to reflect his higher spending level to date.

JUSTIFICATION

Maintain satisfactory level of service to customer by providing reliable electric service.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast Construction Authorization

AUTH: **201003**

Date: **1/7/2021**

Budgeted Amount: **\$472,396.22**

Budget Item No: BDBE20 Budget Year: 2020 Description: Emergency & Storm Restoration Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Revision Sequence: 3 Status: Completed Initiated Date: 1/7/2021 10:13:30 AM Initiated By: Wade, Scott Finalized Date: 1/26/2021 9:50:07 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
1/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$825,000.00
1/7/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
1/7/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$825,000.00
1/18/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$15,000.00
1/18/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$160,000.00
1/19/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$2,500.00
1/26/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$667,500.00
1/26/2021	YES	Hurstak, Daniel <i>Controller</i>		
1/26/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the additional costs associated with the necessary replacements to our facilities under emergency (unscheduled) and "minor to moderate" storm events.

Initial Authorization \$236,200
 Actual Expenditure through Dec. 2020: \$767,253
 Total Budgeted Amount: \$472,400
 2nd Revision Amount \$589,000 (issued in July, 2020)
 This Revision Amount \$825,000
 Variance + \$236,000 (2nd Revision v 3rd Revision)

In 2020 we experienced a higher than normal minor to moderate storm events that drove these expenditures higher than expected.

JUSTIFICATION

Maintain satisfactory level of service to customer by providing reliable electric service by way of responding to outages, minor to moderate storm events and general trouble related matters.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Seacoast

Project Description

Year: 2020
Company: UES Seacoast
Status: [A] Accepted
Priority: 1
Budget Category: BDBE20 Emergency & Storm Restoration
Project Name: Emergency & Storm Restoration
Submitted By: Scott D. Wade

Project Categorizations

Reliability, Repair/Replacement, Other

Project Estimates

Labor Time to Install (Man Hours):	1400
Labor Time for Removal (Man Hours):	200
Transportation Expenses (Heavy Truck Hours):	800
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	29000
Material UG Electric Construction (from Stockroom):	1030
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	85000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	10710
Salvage:	2040

Description/Scope

This budget item covers the costs associated with the necessary repairs to our facilities under emergency (unscheduled) and storm conditions.

Justification

Maintain satisfactory level of service to customer by providing reliable electric service.

UES Seacoast
Construction Authorization

Docket No. DE 21-030
Schedule CGKS-2 (Auth & Bud Inputs)
Page 206 of 476
AUTH: 201004
Date: 2/4/2020
Budgeted Amount: \$403,996.98

Budget Item No: BEBE20 Budget Year: 2020 Description: Billable Work Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/4/2020 1:48:21 PM Initiated By: Page, Laurie Finalized Date: 2/10/2020 6:59:04 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/5/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$315,853.00
2/5/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$142,134.00
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$173,719.00
2/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$3,579.00
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$34,744.00
2/10/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$658.00
			Blanket Authorization Total:	\$281,767.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with all work for which the vast majority of repayment is anticipated such as broken poles, 3rd party attachment requests, 3rd party damages to our facilities, and customer owned equipment that we may replace.

The total amount of this authorization covers the costs projected for the first six (6) months of 2020 which was derived from reviewing historical expenditures as follows:

Year First 6 mo. % of Full Year Actual

2015 \$192,000 42%
 2016 \$121,300 28%
 2017 \$90,700 34%
 2018 \$185,600 52%
 2019 \$171,200 58%

Total Budgeted Amount \$403,997
 Authorization Amount \$173,719 (43% of total)
 Balance \$230,278

JUSTIFICATION

Obligation to respond to customer outages, broken poles, etc. Also, to perform work upon customer requests.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast
Construction Authorization

Docket No. DE 21-030
Schedule CGKS-2 (Auth & Bud Inputs)
Page 207 of 476
AUTH: **201904**
Date: **7/5/2020**
Budgeted Amount: **\$403,996.98**

Budget Item No: BEBE20 Budget Year: 2020 Description: Billable Work Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 7/5/2020 2:17:27 PM Initiated By: Wade, Scott Finalized Date: 7/14/2020 9:48:50 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/6/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$692,100.00
7/7/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$275,000.00
7/7/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$417,100.00
7/7/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$7,000.00
7/8/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$82,000.00
7/8/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,500.00
7/8/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$611,600.00
7/13/2020	YES	Hurstak, Daniel <i>Controller</i>		
7/14/2020	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with all work for which the vast majority of repayment is anticipated such as broken poles, 3rd party attachment requests, 3rd party damages to our facilities, and customer owned equipment that we may replace.

The total year projection was derived from reviewing year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year.

Initial Authorization for first six months \$173,700
 YTD (through June) Actual Expenditures \$352,100
 Total Budgeted Amount \$404,000
 Revised Authorization Amount \$417,100
 Variance + \$13,100. This unfavorable variance amount is based on how this line item is currently trending.

JUSTIFICATION

Obligation to respond to customer outages, broken poles, etc. Also, to perform work upon customer requests.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BEBE20 Billable work
Project Name:	Billable Work
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven, Repair/Replacement, Other	
Project Estimates	
Labor Time to Install (Man Hours):	2600
Labor Time for Removal (Man Hours):	400
Transportation Expenses (Heavy Truck Hours):	1500
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	33000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	110000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	45
EDP? (Yes or No):	No
Retirement:	8323
Salvage:	1530
Description/Scope	
This budget item covers the costs associated with all work for which repayment is anticipated such as broken poles, CATV work, customer owned equipment that we repair, etc.	
Justification	
Obligation to respond to customer outages, broken poles, etc. Also, to perform work upon customer requests.	

UES Seacoast
Construction Authorization

Docket No. DE 21-030
Schedule CGKS-2 (Auth & Bud Inputs)
Page 209 of 476
201005

AUTH: **201005**
Date: **2/4/2020**
Budgeted Amount: **\$393,225.52**

Budget Item No: **BFBE20**
Budget Year: **2020**
Description: **Transformer Company/Conversion**
Project Supervisor: **Wade, Scott**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Original**
Sequence: **1**
Status: **Completed**
Initiated Date: **2/4/2020 2:02:27 PM**
Initiated By: **Page, Laurie**
Finalized Date: **2/10/2020 6:58:59 PM**
Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/5/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$393,226.00
2/5/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$393,226.00
2/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
2/10/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$0.00
			Blanket Authorization Total:	\$393,226.00

DESCRIPTION/SCOPE

This authorization is for the purchase and installation of transformers that are specifically associated with company driven projects such as conversions, stepdown upgrades and stepdown installations.

There are five (5) specified 2020 distribution projects that will call for the purchase and installation of transformers;

- 1) Circuit 19H1 - Transfer to 27X1, Drinkwater Rd, Kensington.
- 2) Circuit 58X1, South Main, Plaistow - convert to 34.5kV due to new housing development on North Rd, Plaistow.
- 3) Circuit 21W1, Meditation Lane, Atkinson, upgrade existing 167kVA steps to 333kVA steps,
- 4) Circuit 13W1, Kelly Road, Plaistow, conversion to service new load Carli's Way -
- 5) Circuit 56X1, Convert Route 125, Kingston - conversion and add phases to service new customer.

JUSTIFICATION

Required for voltage and/or load driven projects.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Seacoast

Project Description

Year: 2020
Company: UES Seacoast
Status: [A] Accepted
Priority: 1
Budget Category: BFBE20 Transformers Company/Conversions
Project Name: Transformer Company/Conversion
Submitted By: J. Dusling

Project Categorizations

Load, Voltage, Reliability

Project Estimates

Labor Time to Install (Man Hours):	144
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	72
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	4500
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	150000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	400
Contract Services:	25000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	

Description/Scope

This budget item is for the purchase and installation of transformers that are specifically associated with company driven projects such as conversions, stepdown upgrades and stepdown installations.

As of October 15, 2019, there are five (5) specified 2020 distribution projects that will call for the purchase and installation of transformers;

- 1) Circuit 19H1 - Transfer to 27X1, Drinkwater Rd, Kensington. Total of \$28k > 3 - 500kVA steps (\$8k ea), 2 - 25kV 19.9kV, and 1-25kVA 2.4kV.
- 2) Circuit 58X1, South Main, Plaistow - convert to 34.5kV due to new housing development on North Rd, Plaistow. Total of \$65k > 1-500kVA step, 3 - 333kVA steps, 2-167kVA steps, 19.9kV to 2.4kV
 5-50kVA, 3-37.5kVA, 6-25kVA, 7-15kVA > 19.9kV
- 3) Circuit 21W1, Meditation Lane, Atkinson, upgrade existing 167kVA steps to 333kVA steps, 13.8 to 4 kv. \$20k.
- 4) Circuit 13W1, Kelly Road, Plaistow, conversion to service new load Carli's Way - Duals, 4-15's, 4-25's, 1-37.5 - \$12k.
- 5) Circuit 56X1, Convert Route 125 - TBD - in mid October this project was reduced from original scope and therefore an additional review of specific transformer needs (reduction) needs to take place however a reduction of approx. \$130k base material and reduction of 200 contractor MH has taken place to account for an estimated reduction for transformer line item.

Justification

Required for voltage and/or load driven projects.

UES Seacoast Construction Authorization

AUTH: 201906

Date: 2/4/2020

Budgeted Amount: \$1,118,487.62

Budget Item No: BGBE20 Budget Year: 2020 Description: Transformers Customer Requirements Project Supervisor: Wade, Scott Crew Days: 30 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/4/2020 1:59:00 PM Initiated By: Page, Laurie Finalized Date: 2/10/2020 6:59:02 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/5/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$380,516.00
2/5/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$11,415.00
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$369,101.00
2/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
2/10/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$0.00
			Blanket Authorization Total:	\$380,516.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with expenditures for the purchasing and installation of transformers in order to service new customers or maintain service to existing customers.

This authorization covers the costs projected for the first six (6) months of 2020 which was derived from reviewing historical expenditures as follows:

Year First 6 mo. % of Full Year Actual

2014 \$436,100 28%
 2015 \$445,200 38%
 2016 \$393,000 34%
 2017 \$190,500 20%
 2018 \$503,800 38%
 2019 \$397,400 38%

Total Budgeted Amount \$1,118,488
 Authorization Amount \$369,101 (33% of total)
 Balance \$749,387

JUSTIFICATION

Provide and maintain service to customers.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast
Construction Authorization

AUTH: **201006**

Date: **7/5/2020**

Budgeted Amount: **\$1,118,487.62**

Budget Item No: BGBE20 Budget Year: 2020 Description: Transformers Customer Requirements Project Supervisor: Wade, Scott Crew Days: 80 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 7/5/2020 2:27:14 PM Initiated By: Wade, Scott Finalized Date: 7/8/2020 1:19:43 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/6/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,150,800.00
7/7/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$30,000.00
7/7/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,120,800.00
7/7/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
7/8/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
7/8/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
7/8/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$1,150,800.00
7/8/2020	YES	Hurstak, Daniel <i>Controller</i>		
7/8/2020	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with expenditures for the purchasing and installation of transformers in order to service new customers or maintain service to existing customers.

Initial Authorization for first six months \$369,100
 Actual Expenditure through June: \$475,800
 Revised Authorization Amount \$1,120,800
 Total Budgeted Amount \$1,118,500
 Variance + \$2,300

JUSTIFICATION

Provide and maintain service to customers.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BGBE20 Transformer Customer Requirements
Project Name:	Transformers Customer Requirements
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	1100
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	550
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	3000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	566500
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	35000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	3
EDP? (Yes or No):	No
Retirement:	0
Salvage:	0
Description/Scope	
This budget item covers the costs associated with expenditures as the result of purchasing and installation of transformers in order to service new customers or maintain service to existing customers.	
Justification	
Provide and maintain service to customers.	

UES Seacoast Construction Authorization

AUTH: 201907

Date: 2/3/2020

Budgeted Amount: \$567,206.82

Budget Item No: BIBE20 Budget Year: 2020 Description: Meter Blanket Customer Requirements Project Supervisor: Willett, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/3/2020 1:58:59 PM Initiated By: Willett, Scott Finalized Date: 2/7/2020 1:20:05 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$567,206.82
2/4/2020	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
2/6/2020	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Net Authorized Cost:	\$567,206.82
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
2/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
2/4/2020	YES	Diggins, Todd <i>Director, Finance</i>	Blanket Authorization Total:	\$567,206.82
2/5/2020	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
2/6/2020	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

The installation of new metering and equipment for Customer driven projects.
 The installation of meters and metering apparatus both residential and commercial for the purpose of accurately measuring Kilowatt Hour consumption with regard to Unitil Company rates.

JUSTIFICATION

Meters and metering apparatus required to meet customer needs in the 2020 budget year.
 Metering and apparatus was derived from a two year average 2018 - 2019.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2020 UES Seacoast

Project Description

Year: 2020
Company: UES Seacoast
Status: [A] Accepted
Priority: 1
Budget Category: BIBE20 Meters Customer Requirements
Project Name: Meter Blanket Customer Requirements
Submitted By: S.Willett

Project Categorizations

Customer Driven

Project Estimates

Labor Time to Install (Man Hours):	650
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	5000
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	299579
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

The installation of new metering and equipment for Customer driven projects.
 The installation of meters and metering apparatus both residential and commercial for the purpose of accurately measuring Kilowatt Hour consumption with regard to Unutil Company rates.

Justification

Meters and metering apparatus required to meet customer needs in the 2020 budget year.
 Metering and apparatus was derived from a two year average 2018 - 2019.

UES Seacoast
Construction Authorization

Docket No. DE 21-030
Schedule CGKS-2 (Auth & Bud Inputs)
Page 216 of 476
AUTH: 201009
Date: 2/4/2020
Budgeted Amount: \$1,071,613.22

Budget Item No: **DPBE01**
Budget Year: **2020**
Description: **Distribution Pole Replacements**
Project Supervisor: **Wade, Scott**
Crew Days: **80**
Start Date:
Completion Date:

Type: **Original**
Sequence: **1**
Status: **Completed**
Initiated Date: **2/4/2020 2:36:42 PM**
Initiated By: **Page, Laurie**
Finalized Date: **2/10/2020 6:58:56 PM**
Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
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Action Date	Approved	Approver/Title	Description	Amount
2/5/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,071,613.22
2/5/2020	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
2/5/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,071,613.22
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$10,200.00
2/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$214,320.00
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,020.00
2/10/2020	YES	Diggins, Todd <i>Director, Finance</i>	CWO Total:	\$858,313.22
2/10/2020	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
2/10/2020	YES	Vaughan, Christine <i>SVP, CFO and Treasurer</i>		

DESCRIPTION/SCOPE

This authorization consists of replacing poles (and changing them over) in various towns as a result of our scheduled distribution, sub-transmission inspection programs, other unscheduled findings, and transfers of poles that Consolidated Communications replaces as a result of their inspection program.

JUSTIFICATION

Replacement per our Distribution Inspection Policy and other substandard findings upon routine inspections.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201800	Distribution Pole Replacements	\$858,313.22
	Total	\$858,313.22

UES Seacoast Construction Authorization

AUTH: ~~201909~~

Date: 7/6/2020

Budgeted Amount: \$1,071,613.22

<p>Budget Item No: DPBE01 Budget Year: 2020 Description: Distribution Pole Replacements Project Supervisor: Wade, Scott Crew Days: 200 Start Date: <input type="text"/> Completion Date: <input type="text"/></p>	<p>Type: Revision Sequence: 2 Status: Completed Initiated Date: 7/6/2020 12:50:21 PM Initiated By: Wade, Scott Finalized Date: 7/8/2020 1:19:37 PM Finalized By: Lydon, Lisa</p>
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/6/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,416,613.00
7/7/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
7/7/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,416,613.00
7/7/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$13,200.00
7/8/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$280,000.00
7/8/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,300.00
7/8/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$1,137,913.00
7/8/2020	YES	Hurstak, Daniel <i>Controller</i>		
7/8/2020	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This revised authorization is to cover the additional costs associated with replacing poles (and changing them over) in various towns as a result of our scheduled distribution, sub-transmission inspection programs, other unscheduled findings, and transfers of poles that Consolidated Communications replaces as a result of their inspection program.

Initial Authorization \$1,071,613
 Revised Authorization \$1,416,613
 Variance +\$345,000

JUSTIFICATION

Replacement per our Distribution Inspection Policy and other substandard findings upon routine inspections.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201800	Distribution Pole Replacements	\$1,137,913.00
	Total	\$1,137,913.00

Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	2
Budget Category:	DPBE01 Distribution Projects
Project Name:	Distribution Pole Replacements
Submitted By:	Scott D. Wade
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	440
Labor Time for Removal (Man Hours):	240
Transportation Expenses (Heavy Truck Hours):	450
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	68000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	540
Contract Services:	400000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	10200
Salvage:	1020
Description/Scope	
This project consists of replacing poles (and changing them over) in various towns as a result of our scheduled distribution, sub-transmission inspection programs, other unscheduled findings, and transfers of poles that Consolidated Communications replaces as a result of their inspection program.	
Justification	
Replacement per our Distribution Inspection Policy	

UES Seacoast Construction Authorization

AUTH: 201919

Date: 2/5/2020

Budgeted Amount: \$45,170.06

Budget Item No: DPBE04
Budget Year: 2020
Description: Circuit 22X1: Install Regulator Colby Road, Danville
Project Supervisor: Aquilina, Patrick
Crew Days: 6
Start Date:
Completion Date:

Type: Original
Sequence: 1
Status: Completed
Initiated Date: 2/5/2020 10:39:46 AM
Initiated By: Page, Laurie
Finalized Date: 2/10/2020 6:58:53 PM
Finalized By: Lydon, Lisa

APPROVALS	ESTIMATED COST SUMMARY
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Action Date	Approved	Approver/Title	Description	Amount
2/5/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$45,170.06
2/5/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$45,170.06
2/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$300.00
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$4,000.00
			Salvage:	\$0.00
			CWO Total:	\$41,170.06

DESCRIPTION/SCOPE

This authorization is for the Installation of a 2nd voltage regulator on phase C and other associated line work on Colby Road, Danville.

C-20201801 OVERHEAD \$41,170.06
 Cost of Removal \$ 4,000.00

Total Company Cost \$45,170.06

NOTE: Lt. to set one (1) 50/50 pole and bill Tel. Co.

JUSTIFICATION

Circuit analysis has identified that the primary voltage along Cheney Road in Danville is expected to be as low as 116.5V in the summer of 2020 and as low as 116.1V in the summer of 2024.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201801	P 9/26 - Install Voltage Regulator - Danville	\$41,170.06
Total		\$41,170.06

Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DPBE04 Distribution Projects
Project Name:	Circuit 22X1: Install Regulator Colby Road, Danville
Submitted By:	J. Dusling
Project Categorizations	
	Voltage
Project Estimates	
Labor Time to Install (Man Hours):	80
Labor Time for Removal (Man Hours):	16
Transportation Expenses (Heavy Truck Hours):	48
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	2800
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	10000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3500
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	300
Salvage:	0
Description/Scope	
Install a 2nd voltage regulator on phase C along Colby Road, Danville	
Justification	
Circuit analysis has identified that the primary voltage along Cheney Road in Danville is expected to be as low as 116.5V in the summer of 2020 and as low as 116.1V in the summer of 2024.	
An AMI voltage recording meter recorded an average minimum service voltage of 112V at customer along Wild Pasture Road during previous summer peak conditions.	

UES Seacoast
Construction Authorization

AUTH: **201013**
Date: **2/3/2020**
Budgeted Amount: **\$7,000.00**

Budget Item No: **EBBE01**
Budget Year: **2020**
Description: **Lab Equipment - Normal Additions and Replacements**
Project Supervisor: **Willett, Scott**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Original**
Sequence: **1**
Status: **Completed**
Initiated Date: **2/3/2020 1:25:52 PM**
Initiated By: **Willett, Scott**
Finalized Date: **2/5/2020 7:31:19 AM**
Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$7,000.00
2/4/2020	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Less Customer Contribution:	\$0.00
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$7,000.00
2/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$7,000.00

DESCRIPTION/SCOPE

This covers unscheduled additions and replacements of lab instruments, test equipment, etc.

JUSTIFICATION

Ensure adequate measurement and testing capabilities to meet service expectations and regulatory requirements.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20202701	Lab Equipment - Normal Additions and Replacements	\$7,000.00
	Total	\$7,000.00

Capital Budget 2020 UES Seacoast

Project Description

Year: 2020
Company: UES Seacoast
Status: [A] Accepted
Priority: 2
Budget Category: EBBE01 Laboratory
Project Name: Lab Equipment - Normal Additions and Replacements
Submitted By: S.Willett

Project Categorizations

Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	7000
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

This covers unscheduled additions and replacements of lab instruments, test equipment, etc.

Justification

Ensure adequate measurement and testing capabilities to meet service expectations and regulatory requirements.

UES Seacoast
 Construction Authorization

AUTH: 201015
Date: 2/4/2020
Budgeted Amount: \$14,500.00

Budget Item No: **EAEE01**
 Budget Year: **2020**
 Description: **Tools, Shop & Garage – Normal Additions and Replacements**
 Project Supervisor: **Aquilina, Patrick**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/4/2020 8:47:16 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/5/2020 7:31:22 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$14,500.00
2/4/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$14,500.00
2/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$800.00
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$14,500.00

DESCRIPTION/SCOPE

This authorization covers the unscheduled additions and replacements of tools and equipment normally utilized by the Seacoast DOC.

JUSTIFICATION

Allows for replacement of failed and broken tools.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20202703	Tools, Shop & Garage - Normal Additions and Replacements	\$14,500.00
	Total	\$14,500.00

Capital Budget 2020 UES Seacoast

Project Description

Year: 2020
Company: UES Seacoast
Status: [A] Accepted
Priority: 2
Budget Category: EAEE01 Tools, Shop, Garage
Project Name: Tools, Shop & Garage – Normal Additions and Replacements
Submitted By: SW

Project Categorizations

Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	14500
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	800
Salvage:	

Description/Scope

This covers the unscheduled additions and replacements of tools and equipment normally utilized by the Seacoast DOC.

Justification

Allows for replacement of failed and broken tools.

UES Seacoast
Construction Authorization

Docket No. DE 21-030
Schedule CGKS-2 (Auth & Bud Inputs)
Page 225 of 476
AUTH: 201017
Date: 2/4/2020
Budgeted Amount: \$4,500.00

Budget Item No: **EAAE03**
Budget Year: **2020**
Description: **Purchase and Replace Hot Line Tools**
Project Supervisor: **Aquilina, Patrick**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Original**
Sequence: **1**
Status: **Completed**
Initiated Date: **2/4/2020 8:54:15 AM**
Initiated By: **Page, Laurie**
Finalized Date: **2/5/2020 7:31:25 AM**
Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$4,500.00
2/4/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$4,500.00
2/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$200.00
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$4,500.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with the unscheduled additions and replacements of hot-line equipment such as: hot sticks, switch sticks, shot guns, insulated link sticks, and other insulated tools.

JUSTIFICATION

These tools are used to maintain material and equipment on energized distribution and sub-transmission lines and ensure adequate safety related clearances and practices for performing such work.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20202705	Purchase and Replace Hot Line Tools	\$4,500.00
	Total	\$4,500.00

Capital Budget 2020 UES Seacoast

Project Description

Year: 2020
Company: UES Seacoast
Status: [A] Accepted
Priority: 2
Budget Category: EAEE03 Tools, Shop, Garage
Project Name: Purchase and Replace Hot Line Tools
Submitted By: S. Wade

Project Categorizations

Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	4500
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	200
Salvage:	

Description/Scope

This project covers the costs associated with the unscheduled additions and replacements of hot-line equipment such as: hot sticks, switch sticks, shot guns, insulated link sticks, and other insulated tools.

Justification

These tools are used to maintain material and equipment on energized distribution and sub-transmission lines and ensure adequate safety related clearances and practices for performing such work.

UES Seacoast Construction Authorization

AUTH: 201918

Date: 2/4/2020

Budgeted Amount: \$7,000.00

Budget Item No: EAAE06 Budget Year: 2020 Description: Purchase and Replace Tools for New Truck #25 Project Supervisor: Aquilina, Patrick Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/4/2020 8:56:48 AM Initiated By: Page, Laurie Finalized Date: 2/5/2020 7:31:27 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/4/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$7,000.00
2/4/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/4/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$7,000.00
2/4/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/4/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$7,000.00

DESCRIPTION/SCOPE

This authorization is to cover the costs associated with the purchase of new or replacement tools for new truck #25.

JUSTIFICATION

Replace obsolete tools and equipment

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20202706	Purchase and Replace Tools for New Truck #25	\$7,000.00
Total		\$7,000.00

Capital Budget 2020 UES Seacoast

Project Description

Year: 2020
Company: UES Seacoast
Status: [A] Accepted
Priority: 2

Budget Category: EAEE06 Tools, Shop, Garage
Project Name: Purchase and Replace Tools for New Truck #25
Submitted By: Scott D. Wade

Project Categorizations

Other

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	7000
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

This budget item is to cover the costs associated with the purchase of new or replacement tools for new truck #25

Justification

Replace obsolete tools and equipment

UES Seacoast
Construction Authorization

AUTH: **201025**
Date: **2/7/2020**
Budgeted Amount: **\$10,000.00**

Budget Item No: **EAAE05**
Budget Year: **2020**
Description: **Normal Additions and Replacements- Tools and Equipment Substation**
Project Supervisor: **Jacobs, Andrew**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Original**
Sequence: **1**
Status: **Completed**
Initiated Date: **2/7/2020 9:56:28 AM**
Initiated By: **Jacobs, Andrew**
Finalized Date: **2/18/2020 9:13:51 AM**
Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$10,000.00
2/11/2020	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$10,000.00
2/14/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$10,000.00

DESCRIPTION/SCOPE

Purchase new tools or replace existing as required.

JUSTIFICATION

This project is required to maintain the ability to perform construction, maintenance and testing activities or improve work practices and productivity.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20202709	Normal Additions and Replacements- Tools and Equipment Substation	\$10,000.00
	Total	\$10,000.00

Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	2
Budget Category:	EAAE05 Tools, Shop, Garage
Project Name:	Normal Additions and Replacements- Tools and Equipment Substation
Submitted By:	J. Goudreault
Project Categorizations	
	Repair/Replacement, Other
Project Estimates	
Labor Time to Install (Man Hours):	<input type="text"/>
Labor Time for Removal (Man Hours):	<input type="text"/>
Transportation Expenses (Heavy Truck Hours):	<input type="text"/>
Transportation Expenses (Light Truck Miles):	<input type="text"/>
Material OH Electric Construction (from Stockroom):	<input type="text"/>
Material UG Electric Construction (from Stockroom):	<input type="text"/>
Material Gas Construction (from Stockroom):	<input type="text"/>
Material Direct Charge (Ordered directly to job.):	<input type="text"/>
Material Hot Water Heaters:	<input type="text"/>
Contract Labor Hours (Man Hours):	<input type="text"/>
Contract Services:	<input type="text"/>
Other Specific Charges (\$):	10000
Overhead on Specific Charges (%):	<input type="text"/>
Customer Contribution (%) (before OH's applied):	<input type="text"/>
EDP? (Yes or No):	??
Retirement:	<input type="text"/>
Salvage:	<input type="text"/>
Description/Scope	
Purchase new tools or replace existing as required.	
Justification	
This project is required to maintain the ability to perform construction, maintenance and testing activities or improve work practices and productivity.	

UES Seacoast Construction Authorization

AUTH: 201926

Date: 2/7/2020

Budgeted Amount: \$36,131.02

Budget Item No: SPBE01
Budget Year: 2020
Description: Substation Stone Installation, Various Locations
Project Supervisor: Jacobs, Andrew
Crew Days: 0
Start Date:
Completion Date:

Type: Original
Sequence: 1
Status: Completed
Initiated Date: 2/7/2020 10:11:25 AM
Initiated By: Jacobs, Andrew
Finalized Date: 2/18/2020 9:13:49 AM
Finalized By: Lydon, Lisa

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$36,131.02
2/11/2020	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
2/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$36,131.02
2/14/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$36,131.02

DESCRIPTION/SCOPE

This project is to install stone at Hampton, Exeter and Portsmouth Ave S/S.

JUSTIFICATION

The crushed stone at this substation doesn't provide adequate coverage for step potential. Additionally, there are gaps under the fence that need to be filled.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201809	Substation Stone Installation, Various Locations	\$36,131.02
	Total	\$36,131.02

Capital Budget 2020 UES Seacoast

Project Description

Year: 2020
Company: UES Seacoast
Status: [A] Accepted
Priority: 2
Budget Category: SPBE01 Substation Project
Project Name: Substation Stone Installation, Various Locations
Submitted By: A. Jacobs

Project Categorizations

Safety, Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	24
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	12
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	20000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

This project is to install stone at Hampton, Exeter and Portsmouth Ave S/S.

Justification

The crushed stone at this substation doesn't provide adequate coverage for step potential. Additionally, there are gaps under the fence that need to be filled.

UES Seacoast
Construction Authorization

Docket No. DE 21-030
Schedule CGKS-2 (Auth & Bud Inputs)
Page 1233 of 476
201040

AUTH: **201040**
Date: **2/21/2020**
Budgeted Amount: **\$323,594.00**

Budget Item No: **DRBE05**
Budget Year: **2020**
Description: **Install Reclosers on the 3354 & 3343 Sub T Lines at Willow Road Tap**
Project Supervisor: **Aquilina, Patrick**
Crew Days: **25**
Start Date:
Completion Date:

Type: **Original**
Sequence: **1**
Status: **Completed**
Initiated Date: **2/21/2020 10:36:40 AM**
Initiated By: **Page, Laurie**
Finalized Date: **2/27/2020 6:05:13 PM**
Finalized By: **Lydon, Lisa**

APPROVALS

Action Date	Approved	Approver/Title
2/21/2020	YES	Lydon, Lisa <i>Plant Accountant</i>
2/21/2020	YES	Wade, Scott <i>Manager Electric Operations</i>
2/26/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>
2/26/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>
2/27/2020	YES	Sprague, Kevin <i>VP, Engineering</i>
2/27/2020	YES	Diggins, Todd <i>Director, Finance</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$240,000.00
Less Customer Contribution:	\$0.00
Net Authorized Cost:	\$240,000.00
Retirement:	\$0.00
Cost Of Removal:	\$0.00
Salvage:	\$0.00
CWO Total:	\$240,000.00

DESCRIPTION/SCOPE

This authorization is for purchasing and installing two (2) electronically controlled reclosers; one on the 3354 sub-transmission line and one on the 3343 sub-transmission line at the Willow Road tap.

These reclosers will be programmed to coordinate with Kingston substation and operate for downline faults. Additionally, these reclosers will be remotely opened in the event of a lockout of the 03343 or 03354 at Kingston substation allowing load on the Guinea side of the reclosers to be restored remotely without patrolling.

There is no cost of removal associated with this project due to the fact that all of the work is new construction.

Note: This is the first of two projects that will fall under the 202 Reliability Project budget item.

JUSTIFICATION

The 3343 and 3354 lines have historically experienced one interruption per year and are routinely damaged during major storms.

Customer Exposure = 7,150 customers

The projected average annual savings for this project is 290,000 customer minutes of interruptions and 1,250 customer interruptions.

NOTES

AUTHORIZATION COMMENTS

40845

CWO Summary

CWO	Description	Amount
20201824	Install Reclosers on the 3354 & 3343 Sub T Lines at Willow Road Tap	\$240,000.00
	Total	\$240,000.00

Capital Budget 2020 UES Seacoast

Project Description

Year: 2020
Company: UES Seacoast
Status: [A] Accepted
Priority: 3
Budget Category: DRBE00 Reliability Projects
Project Name: Reliability Projects
Submitted By: Dusling

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	80
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	40
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	35000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	62000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	200
Contract Services:	32000
Other Specific Charges (\$):	10000
Overhead on Specific Charges (%):	30
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

3343 and 3354 Lines – Install Reclosers

Install two (2) electronically controlled reclosers, one on the 3354 line and one on the 3343 line, between East Kingston substation and Willow Road tap.

These reclosers will be programmed to coordinate with Kingston and operate for downline faults. Additionally, these reclosers will be remotely opened in the event of a lockout of the 03343 or 03354 at Kingston allowing load on the Guinea side of the reclosers to be restored remotely without patrolling.

Circuit 43X1 – Install Reclosers and Implement Distribution Automation

This project will consist of installing four electronically controlled reclosers along circuit 43X1 and 19X3.

Two of the reclosers will be installed along the mainline of circuit 43X1 between 43X1R1 and 19X3J43X1 tie. The 43X1J19X3 tie switch will be replaced with a recloser.

In order to increase the load carrying capability of the 19X3J43X1 tie the cutout mounted sectionalizers along Pine Street will be replaced with a recloser and the solid blades on Court Street will be replaced with a switch. Additionally, circuits 43X1 and 19X3 will be balanced to reduce loading on phase B.

Once installed a distribution automation scheme will be implemented between the new reclosers and the existing 43X1R1 recloser. The intent of the scheme is to have 43X1 and 19X3 automatically reconfigure for permanent faults on the mainline of circuit 43X1.

This is the first year of a two year project.

Justification

3343 and 3354 Lines – Install Reclosers

The 3343 and 3354 lines have historically experienced one interruption per year and are routinely damaged during major storms.

Customer Exposure = 7,150 customers

The projected average annual savings for this project is 290,000 customer minutes of interruptions and 1,250 customer interruptions.

Circuit 43X1 – Install Reclosers and Implement Distribution Automation

Circuit 43X1 is typically one of the worst performing circuits on the UES-Seacoast system. It is on both the Worst Performing Circuits in the Past Five Years SAIDI and SAIFI lists.

Customer Exposure = 1,200 customers

The projected average annual savings for this project is 125,000 customer minutes of interruptions and 1,650 customer interruptions.

The projected average annual savings for this project is 125,000 customer minutes of interruptions and 1,650 customer interruptions.

UES Seacoast Construction Authorization

AUTH: 201941

Date: 3/4/2020

Budgeted Amount: \$461,125.78

Budget Item No: DPBE08 Budget Year: 2020 Description: Replace Four (4) H- Structures on the 3350 Sub-Transmission Line Project Supervisor: Aquilina, Patrick Crew Days: 120 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 3/4/2020 8:57:00 AM Initiated By: Page, Laurie Finalized Date: 3/18/2020 8:09:07 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/6/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$461,125.00
3/6/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
3/10/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$461,125.00
3/12/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$2,000.00
3/10/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$92,225.00
3/17/2020	YES	Diggins, Todd <i>Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$368,900.00

DESCRIPTION/SCOPE

This authorization is for replacing H-structures 2064, 2066, 2083, 2084, and 2085 on the 3350 sub-transmission line and replacing H-structures 2014, 2015, and 2029 on the 3348 sub-transmission line in Seabrook for a total of eight (8) H-structure replacements.

The original budget proposal of replacing four (4) H - structures (which is shown as the Project Name above as it gets directly copied from the capital budget upon initiating an authorization) was based on a preliminary estimate for budgeting purposes. Upon a detailed review of the field inspection by OSMOSE it was determined that there were eight structures that required replacement due to their remaining strength.

It should be noted that the original budgeted amount of \$461,125 goes unchanged although four (4) additional structures are being replaced. The primary reason for this is that the replacement pole design will change from a two pole H-Structure to a single pole, single arm configuration.. The single pole structures were determined to be adequate until all of the structures are replaced in the near future.

JUSTIFICATION

A survey conducted by OSMOSE in 2019 showed that these structures are the more severely condemned of these two sub-transmission lines whereby one pole of the H structure is less than 50% remaining strength while the other pole is less than 65% remaining strength.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201825	Replace Eight (8) H-Structures on the 3348 & 3350 Sub-Transmission Lines	\$368,900.00
	Total	\$368,900.00

Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	2
Budget Category:	DPBE08 Distribution Projects
Project Name:	Replace four (4) H- Structures on the 3350 Sub-Transmission Line
Submitted By:	Scott D. Wade
Project Categorizations	
	Reliability, Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	32
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	16
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	16000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	250000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	2000
Salvage:	
Description/Scope	
This project is to replace H-structures 2064, 2066, 2085 and 2084 on the 3350 sub-transmission lines in Seabrook.	
Justification	
A survey conducted by OSMOSE in 2019 showed that structures 2064 and 2085 are notably condemned whereby one pole of the H structures is near 50% remaining life and the other pole is 25% remaining life. The other two structures denoted are located right next to 2064 and 2085 and are 46% - 62% and 49% - 59% remaining life and due to the gains of efficiencies and costs (being next to the other two aforementioned structures) these two structures are being replaced as well.	

UES Seacoast
Construction Authorization

Docket No. DE 21-030
Schedule CGKS-2 (Auth & Bud Inputs)
Page 28 of 476
201062

AUTH: **201062**
Date: **5/5/2020**
Budgeted Amount: **\$240,968.00**

Budget Item No: DBBE28 Budget Year: 2020 Description: Single Phase, URD Line Ext., off Timberswamp Rd., Hampton Project Supervisor: Gilman, Catherine Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 5/5/2020 12:36:26 PM Initiated By: Page, Laurie Finalized Date: 5/18/2020 6:22:57 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
5/5/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$192,196.00
5/5/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$62,616.00
5/5/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$129,580.00
5/18/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
5/5/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
5/18/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$192,196.00

DESCRIPTION/SCOPE

Single phase, underground line extension to provide single phase service to the proposed subdivision. The Developer will pay the reduced estimated cost of this line extension and transformers, in accordance with the Economic Development Program, in advance and will receive an overhead credit as indicated below. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost. The Company to support the cost of the main line work, traffic control, and tree trimming.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

Sage Road & Rose Fountain Lane 47 Lots
 CUSTOMER ADVANCE PAYMENT \$135,879.00
 TOTAL REFUND \$ 61,015.00 NUMBER OF LOTS TO REFUND 17 FIRST REFUND \$ 3,589.08 REMAINING REFUNDS PER LOT \$ 3,589.12

C-201855 URD/O/H/TRAFFIC - BILLABLE \$177,474.00
 Less: Developer Contribution \$ 62,616.00
 Company Cost \$114,858.00

C-208017 TRANSFORMERS - BILLABLE \$ 44,008.00
 Less: Developer Contribution \$ 12,248.00
 Company Cost \$ 31,760.00

C-201856 O/H/TRAFFIC/TREE - NON BILLABLE \$ 14,722.00

Total Company Cost \$129,580.00
 (Including Tel. Billing & Excluding Transformers)

NOTES

NOTE: Lt. Co. to set 50/50 poles and anchors and bill Tel. Co. as follows:

1.00 Anchors Bel - Bill N/C
 1.00 Anchors Bel - Non Bill N/C
 1.00 Poles - Billable \$ 700.00
 1.00 Poles - Non Billable \$ 700.00
 Total \$1,400.00

The Customer portion of this billing reflects the telephone billing. The Company portion of this billing does not reflect the telephone billing.

AUTHORIZATION COMMENTS

SUMMARY: (Including Tel. Billing & Excluding Transformers)

Construction Overheads \$ 68,594.00
 Overhead Line Allowance \$ 46,264.00
 Customer Contribution \$ 62,616.00
 Non Billable Work \$ 14,722.00
 Total Project Cost \$192,196.00

CWO Summary

CWO	Description	Amount
20201855	Single Phase, URD Line Ext., off Timberswamp Rd., Hampton	\$177,474.00
20201856	Single Phase, URD Line Ext., off Timberswamp Rd., Hampton	\$14,722.00
	Total	\$192,196.00

Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	2060
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1030
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	31930
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	618
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers. .	
Justification	
Provide service to customers	

UES Seacoast Construction Authorization

AUTH: **201067**

Page 476

Date: **6/23/2020**

Budgeted Amount: **\$240,968.00**

Budget Item No: **DBBE31**
 Budget Year: **2020**
 Description: **Three Phase, URD Line Ext., 152 Drinkwater Rd., Kensington**
 Project Supervisor: **Gilman, Catherine**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **6/23/2020 11:18:08 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **7/1/2020 3:30:24 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/23/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$56,835.00
6/23/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$21,840.00
6/25/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$34,995.00
7/1/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
6/29/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$56,835.00

DESCRIPTION/SCOPE

Three phase, underground line extension to provide three phase service to the arena and shed at Yorkfield Stables on 152 Drinkwater Rd., Kensington. The customer will pay the reduced estimated cost of this line extension in accordance with the Economic Development Program, in advance. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost. UES to support the main line work.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

C-201862 O/H/URD/TRAFFIC - BILLABLE \$42,019.00
 Less: Customer Contribution \$21,840.00
 Company Cost \$20,179.00

C-201863 O/H/TRAFFIC - NON BILLABLE \$14,816.00
 Company Cost \$14,816.00

Total Company Cost \$34,995.00
 (Excluding Transformer & Tel. Billing)

NOTES

NOTE: Lt. Co. to set one (1) Sole Lt pole and two (2) anchors. This billing is included in the authorization.

NOTE: Tel. to set 50/50 pole and bill Lt. Co. \$700. The Company to support this cost.

AUTHORIZATION COMMENTS

SUMMARY: (Excluding Transformer & Tel. Billing)

Customer Contribution \$21,840.00
 Construction Overheads \$16,240.00
 Overhead Line Allowance \$ 3,939.00
 (Deducted from Advance Payment)
 Non Billable Work \$14,816.00
 Total Project Cost \$56,835.00

39005

CWO Summary

CWO	Description	Amount
20201862	Three Phase, URD Line Ext., 152 Drinkwater Rd., Kensington	\$42,019.00
20201863	Three Phase, URD Line Ext., 152 Drinkwater Rd., Kensington	\$14,816.00
Total		\$56,835.00

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Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	2060
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1030
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	31930
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	618
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers. .	
Justification	
Provide service to customers	

UES Seacoast Construction Authorization

AUTH: **201068**

Date: **6/25/2020**

Budgeted Amount: **\$373,726.45**

Budget Item No: DPBE06 Budget Year: 2020 Description: Circuit 58X1 - Convert Main Street, Plaistow Project Supervisor: Aquilina, Patrick Crew Days: 120 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 6/25/2020 11:18:44 AM Initiated By: Page, Laurie Finalized Date: 7/6/2020 10:19:27 PM Finalized By: Lydon, Lisa
---	---

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/26/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$425,000.00
6/29/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
6/29/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$425,000.00
6/26/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$2,000.00
7/1/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$80,000.00
6/29/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
7/1/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$345,000.00
7/2/2020	YES	Hurstak, Daniel <i>Controller</i>		
7/2/2020	YES	Brock, Laurence <i>Senior Vice President & Chief Financial Officer</i>		

DESCRIPTION/SCOPE

This authorization is for converting South Main Street, Plaistow to 34.5/19.92 kV operation. New stepdown transformers will be installed along Spinney Ave, Chandler Ave, North Ave and South Main Street. Work will consist of replacing approximately twenty-two (22) poles and reconductoring approximately 13 poles sections, and associated re-insulating work.

C- 201864 O/H/TRAFFIC/TREE TRIMMING \$345,000

Cost of Removal \$80,000

Total Company Cost \$425,000

Total Authorization: \$425,000
 Total Budgeted \$373,726
 Variance \$+51,724

The variance is due to the fact that Unutil will be replacing the poles and anchors (requiring traffic control as well) versus Consolidated Communications (CC) due to the fact that CC could not replace them in a timely and needed basis.

JUSTIFICATION

This work is being performed to accommodate supplying a proposed development on North Ave. in Plaistow, NH which is expected to begin construction in August, 2020.

NOTES

AUTHORIZATION COMMENTS

E-Intake #39616

CWO Summary

CWO	Description	Amount
20201864	Circuit 58X1 - Convert Main Street, Plaistow to 34.5 kV	\$345,000.00
	Total	\$345,000.00

Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DPBE06 Distribution Projects
Project Name:	Circuit 58X1 - Convert Main Street, Plaistow
Submitted By:	J. Dusling
Project Categorizations	
Customer Driven, Load, Voltage, Protection	
Project Estimates	
Labor Time to Install (Man Hours):	40
Labor Time for Removal (Man Hours):	20
Transportation Expenses (Heavy Truck Hours):	30
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	20000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	1300
Contract Services:	40000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	5000
Salvage:	500
Description/Scope	
Convert South Main Street from pole 91/27 to pole 91/13 to 34.5/19.92 kV operation. New stepdown transformers will be installed along Spinney Ave, Chandler Ave, North Ave and South Main Street.	
Justification	
This work is being performed to accommodate supplying a proposed development on North Ave. in Plaistow, NH	

UES Seacoast Construction Authorization

AUTH: ~~201069~~

Date: **6/26/2020**

Budgeted Amount: **\$240,968.00**

Budget Item No: DBBE32 Budget Year: 2020 Description: Three Phase, URD Line Ext., 431-435 Ocean Blvd., Hampton Project Supervisor: Gilman, Catherine Crew Days: 4 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 6/26/2020 9:14:56 AM Initiated By: Page, Laurie Finalized Date: 7/1/2020 3:30:19 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/26/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$50,614.00
6/26/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$21,275.00
6/26/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$29,339.00
7/1/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
6/29/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$50,614.00

DESCRIPTION/SCOPE

Three phase, underground line extension to provide three phase service to the proposed condominium building, which consists of 23, two bedroom condo units. The customer will pay the reduced estimated cost of this line extension, in accordance with the Economic Development Program, in advance. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost. UES to support the cost of the main line work.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

C-201865 O/H/URD - BILLABLE \$39,998.00
 Less: Customer Contribution \$21,275.00 \$18,723.00

C-201866 O/H - NON BILLABLE \$10,616.00

Total Company Cost (Including Tel. Billing) \$29,339.00

NOTES

NOTE: Lt. Co. to set poles and anchors and bill Tel. Co. as follows:

1.00 Anchors Bel Billable N/C
 1.00 Anchors Bel Non Bill N/C
 1.00 Poles - Billable \$700.00
 1.00 Poles - Non Billable \$700.00
 Total 1,400.00

The Customer portion of this billing reflects the telephone billing. The Company portion of this billing does not reflect the telephone billing.

AUTHORIZATION COMMENTS

SUMMARY: (Including Tel. Billing)

Customer Contribution \$21,275.00
 Construction Overheads \$15,459.00
 Overhead Line Allowance \$ 3,264.00
 (Deducted from Advance Payment)
 Non Billable Work \$10,616.00
 Total Project Cost \$50,614.00

39582

CWO Summary

CWO	Description	Amount
20201865	Three Phase, URD Line Ext., 431-435 Ocean Blvd., Hampton	\$39,998.00
20201866	Three Phase, URD Line Ext., 431-435 Ocean Blvd., Hampton	\$10,616.00
Total		\$50,614.00

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Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	2060
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1030
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	31930
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	618
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers. .	
Justification	
Provide service to customers	

UES Seacoast Construction Authorization

AUTH: **201073**

Date: **7/28/2020**

Budgeted Amount: **\$240,968.00**

Budget Item No: DBBE35 Budget Year: 2020 Description: Three Phase, URD Line Ext., 601 Lafayette Rd., Seabrook Project Supervisor: Gilman, Catherine Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 7/28/2020 1:31:30 PM Initiated By: Page, Laurie Finalized Date: 8/12/2020 9:10:08 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/29/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$157,102.00
7/29/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$93,203.00
7/29/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$63,899.00
8/10/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
7/29/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
8/11/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$157,102.00

DESCRIPTION/SCOPE

Three phase, underground line extension to provide three phase service to BJ's Wholesale Club. The customer will pay the reduced estimated cost of this line extension, in accordance with the Economic Development Program, in advance. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

C-201870 URD - BILLABLE \$157,102.00
 Less: Customer Contribution \$ 93,203.00
 Total Company Cost \$ 63,899.00

NOTES

SUMMARY: (Excluding Transformer)

Customer Contribution \$ 93,203.00
 Construction Overheads \$ 60,720.00
 Overhead Line Allowance \$ 3,179.00
 (Deducted from Advance Payment)
 Total Project Cost \$157,102.00

AUTHORIZATION COMMENTS

39263

CWO Summary		
CWO	Description	Amount
20201870	Three Phase, URD Line Ext., 601 Lafayette Rd., Seabrook	\$157,102.00
	Total	\$157,102.00

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Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	2060
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1030
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	31930
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	618
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers. .	
Justification	
Provide service to customers	

UES Seacoast Construction Authorization

AUTH: ~~201074~~ 476

Date: **8/21/2020**

Budgeted Amount: **\$240,968.00**

Budget Item No: DBBE36 Budget Year: 2020 Description: Three Phase, URD Line Ext., 89 Holland Way, Exeter Project Supervisor: Gilman, Catherine Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 8/21/2020 2:18:24 PM Initiated By: Page, Laurie Finalized Date: 8/28/2020 4:57:57 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/24/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$56,257.00
8/26/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$29,038.00
8/25/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$27,219.00
8/27/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
8/25/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$56,257.00

DESCRIPTION/SCOPE

Three phase, underground line extension to provide three phase service to the proposed building. The The customer will pay the reduced estimated cost of this line extension, in accordance with the Economic Development Program, in advance. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

C-201871 O/H/URD/TRAFFIC - BILLABLE \$56,257.00
 Less: Customer Contribution \$29,038.00
 Total Company Cost \$27,219.00

NOTES

NOTE: Lt. Co. to set poles and anchors and bill Tel. Co. as follows:

1.00 Anchors Bel Billable N/C
 1.00 Poles - Billable \$700.00
 Total \$700.00

The Customer to support this cost.

AUTHORIZATION COMMENTS

SUMMARY: (Including Tel. Billing)

Customer Contribution \$29,038.00
 Construction Overheads \$21,744.00
 Overhead Line Allowance \$ 5,475.00
 (Deducted from Advance Payment)
 Total Project Cost \$56,257.00

40942

CWO Summary

CWO	Description	Amount
20201871	Three Phase, URD Line Ext., 89 Holland Way, Exeter	\$56,257.00
	Total	\$56,257.00

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Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	2060
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1030
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	31930
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	618
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers. .	
Justification	
Provide service to customers	

UES Seacoast Construction Authorization

AUTH: 201075

Date: 8/26/2020

Budgeted Amount: \$29,427.00

Budget Item No: DABE07 Budget Year: 2020 Description: Relocation of Poles, 601 Lafayette Rd., Seabrook15X1 Project Supervisor: Gilman, Catherine Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 8/26/2020 1:56:08 PM Initiated By: Page, Laurie Finalized Date: 9/1/2020 9:38:01 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/27/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$67,314.00
8/31/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$67,314.00
8/27/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$0.00
8/31/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
9/1/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
9/1/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$67,314.00

DESCRIPTION/SCOPE

This authorization is for the relocation/replacement of five (5) poles and associated material to provide access for the new proposed BJ's Wholesale Club being constructed on Lafayette Rd., Seabrook. The customer will pay full cost for this work, not under the Economic Development Program, in advance. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PROGRAM

C-201872 O/H/URD/TRAFFIC/TREE - BILLABLE \$53,985.00
 Less: Customer Contribution \$53,985.00
 Company Cost \$ 0.00

COST OF REMOVAL \$13,329.00
 Less: Customer Contribution \$13,329.00
 Company Cost \$ 0.00

Total Company Cost \$ 0.00
 (Excluding Tel. billing)

NOTES

NOTE: The total authorization differs the advance payment due to changes after the advance payment was received. However, this amount will be captured in the final accounting.

AUTHORIZATION COMMENTS

NOTE: Tel. Co. to set poles and anchors and bill Lt. Co. as follows:

5.00 Anchors Bel Billable N/C
 5.00 Poles - Billable \$700.00
 Total \$700.00

This billing is not included in the total of the authorization. The customer to support this cost.

CWO Summary

CWO	Description	Amount
20201872	Relocation of Poles, 601 Lafayette Rd., Seabrook15X1	\$67,314.00
	Total	\$67,314.00

Capital Budget 2020 UES Seacoast

Project Description

Year: 2020
Company: UES Seacoast
Status: [A] Accepted
Priority: 1
Budget Category: DABE00 Overhead Line Extensions
Project Name: Overhead Line Extensions - New Projects
Submitted By: Scott D. Wade

Project Categorizations

Customer Driven

Project Estimates

Labor Time to Install (Man Hours):	206
Labor Time for Removal (Man Hours):	21
Transportation Expenses (Heavy Truck Hours):	113
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	3605
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	721
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0

Description/Scope

This line item covers the costs associated with overhead line extensions to service new customers.

Justification

Service new customers

UES Seacoast Construction Authorization

AUTH: **201077**

Date: **9/10/2020**

Budgeted Amount: **\$72,275.33**

Budget Item No: **DPBE07**
 Budget Year: **2020**
 Description: **Town of Exeter, Sidewalk Installations, Relocate Poles**
 Project Supervisor: **Aquilina, Patrick**
 Crew Days: **17**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **9/10/2020 11:18:27 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **9/29/2020 6:03:20 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
9/11/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$85,000.00
9/11/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
9/11/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$85,000.00
9/17/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
9/25/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$14,600.00
9/11/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$200.00
9/25/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$70,600.00
9/25/2020	YES	Hurstak, Daniel <i>Controller</i>		
9/27/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This authorization is for the relocation and transfer of four (4) poles on Epping Road and one (1) pole on Spring Street, Exeter. This work is being done to accommodate the sidewalk installations and/or improvements requested by the Town of Exeter.

UES to support full cost of this work, traffic detail, and tree trimming.

Total Budgeted \$72,275
 This Authorization \$ 85,000
 Total Over Budget \$12,725

The cause of the additional expenditure (over the budget) is due to the fact that the town added one pole to this project.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PROGRAM
 C-201874 - O/H/TRAFFIC/TREE - NON BILLABLE \$70,400
 COST OF REMOVAL \$14,600
 Total Company Cost (Including Tel Billing) \$85,000

NOTES

NOTE:

AUTHORIZATION COMMENTS

37944

CWO Summary

CWO	Description	Amount
20201874	Relocation of Poles, Town of Exeter, Sidewalk Installations	\$70,600.00
	Total	\$70,600.00

Capital Budget 2020 UES Seacoast

Project Description

Year: 2020
Company: UES Seacoast
Status: [A] Accepted
Priority: 2
Budget Category: DPBE07 Distribution Projects
Project Name: Town of Exeter, Sidewalk Installations, Relocate Poles
Submitted By: Scott D. Wade

Project Categorizations

Government

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	6000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	240
Contract Services:	6000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	1000
Salvage:	200

Description/Scope

This project is to relocate and transfer approximately six (6) poles at the request from the town of Exeter due to sidewalk installations or improvements at various locations in the town.

Justification

Town request/requirement

UES Seacoast Construction Authorization

AUTH: 201082

Date: 10/5/2020

Budgeted Amount: \$240,968.00

Budget Item No: **DBBE37**
 Budget Year: **2020**
 Description: **Single Phase, URD Line Ext., 219 Hilldale Ave., South Hampton**
 Project Supervisor: **Gilman, Catherine**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **10/5/2020 11:45:15 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **10/14/2020 10:46:47 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

Action Date	Approved	Approver/Title
10/6/2020	YES	Hilton, Mary Jane <i>Sr. Plant Accountant</i>
10/6/2020	YES	Wade, Scott <i>Manager Electric Operations</i>
10/12/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>
10/13/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>
10/7/2020	YES	Sprague, Kevin <i>VP, Engineering</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$43,754.00
Less Customer Contribution:	\$14,301.00
Net Authorized Cost:	\$29,453.00
Retirement:	\$0.00
Cost Of Removal:	\$0.00
Salvage:	\$0.00
CWO Total:	\$43,754.00

DESCRIPTION/SCOPE

Single phase, overhead/underground line extension to provide single phase service to one customer. The customer will pay full cost of this line extension, not under the Economic Development Program, in advance. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PROGRAM

C-201878 O/H/URD - BILLABLE \$14,301
 Less: Customer Contribution \$14,301

Company Cost \$ 0.00

C-208017 TRANSFORMER - BILLABLE \$ 2,628
 Less: Customer Contribution \$ 796

Company Cost \$ 1,832

C-201880 O/H/TRAFFIC - NON BILLABLE \$29,453

Company Cost \$29,453

Total Company Cost
 (Including Tel. Billing & Excluding Transformer) \$29,453

NOTES

NOTE: Lt. Co. to set poles and anchors and bill Tel. Co. as follows:

1.00 Anchors Bel Billable N/C
 3.00 Anchors Bel Non Bill N/C
 1.00 Poles - Billable \$ 700.00
 4.00 Poles - Non Billable \$2,800.00

Total \$3,500.00

The Customer to support the cost of 1 - Anchor Below and 1 - 50/50 Pole. The Company to support the balance. This billing is included in the total of the authorization.

AUTHORIZATION COMMENTS

SUMMARY: (Including Tel. Billing & Excluding Transformer)

Customer Contribution \$14,301.00
 Non Billable Work \$29,453.00
 Total Project Cost \$43,754.00

38284

CWO Summary

CWO	Description	Amount
20201878	Single Phase, URD Line Ext., 219 Hilldale Ave., South Hampton	\$14,301.00
20201880	Single Phase, URD Line Ext., 219 Hilldale Ave., South Hampton	\$29,453.00
	Total	\$43,754.00

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Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	2060
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1030
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	31930
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	618
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers. .	
Justification	
Provide service to customers	

UES Seacoast
Construction Authorization

AUTH: **20201885** of 476

Date: **10/8/2020**

Budgeted Amount: **\$0.00**

Budget Item No: DPNE03 Budget Year: 2020 Description: Replace Damaged 18X1R2 Recloser, Timberswamp Rd., Hampton Project Supervisor: Aquilina, Patrick Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 10/8/2020 1:48:33 PM Initiated By: Page, Laurie Finalized Date: 10/14/2020 10:46:04 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
10/12/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$65,000.00
10/12/2020	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
10/13/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$65,000.00
10/12/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$10,000.00
10/13/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$5,000.00
10/12/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
10/13/2020	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$60,000.00
10/13/2020	YES	Hurstak, Daniel <i>Controller</i>		
10/14/2020	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This non budget authorization is to cover the costs associated with replacing the damaged 18X1R2 recloser at Timberswamp Road, Hampton.

During a minor wind event on September 30th, 2020, a tree uprooted and fell onto the primary conductors two sections away from the recloser. The force of the tree falling and subsequent primary conductors resulted in having the bushings of the recloser damaged.

C-20201885 OVERHEAD - NONBILLABLE \$60,000

Cost of Removal \$ 5,000

Total Company Cost \$65,000

JUSTIFICATION

The recloser is an integral part of the 18X1 circuit reliability and is critical to have in service so as to have this circuit in it's normal configuration.

NOTES

Note: Transfer all charges from CWO 20206643 to this authorization.

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20201885	Replace Damaged 18X1R2 Recloser, Timberswamp Rd., Hampton	\$60,000.00
	Total	\$60,000.00

UES Seacoast Construction Authorization

AUTH: **201093**

Date: **11/18/2020**

Budgeted Amount: **\$240,968.00**

Budget Item No: **DBBE39**
 Budget Year: **2020**
 Description: **Single Phase, URD Line Ext., 25 Depot Rd., Hampton Falls**
 Project Supervisor: **Raine, Taylor**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **11/18/2020 9:18:16 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **11/30/2020 12:32:56 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
11/18/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$31,143.00
11/19/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$18,314.00
11/19/2020	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$12,829.00
11/30/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
11/18/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$31,143.00

DESCRIPTION/SCOPE

Single phase, underground line extension to provide single phase service to one customer. The customer will pay the estimated cost of this line extension in advance, not under the Economic Development Program. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost. UES to support the cost of one (1) pole and 300 Ft. of wire on private property.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PROGRAM

C-20201899 O/H/URD - BILLABLE \$31,143
 Less: Customer Contribution \$18,314 \$12,829

C-20208017 TRANSFORMER - BILLABLE \$ 2,628
 Less: Customer Contribution \$ 796 \$ 1,832

Company Cost (Excluding Transformer) \$12,829

NOTES

NOTE: Lt. Co. to set Sole Lt. pole and two (2) anchors. The customer to support full cost of this billing.

AUTHORIZATION COMMENTS

SUMMARY: (Excluding Transformer)

Customer Contribution \$18,314.00
 Overhead Line Allowance \$12,829.00
 (Deducted from Advance Payment)
 Total Project Cost \$31,143.00

40038

CWO Summary

CWO	Description	Amount
20201899	Single Phase, URD Line Ext., 25 Depot Rd., Hampton Falls	\$31,143.00
	Total	\$31,143.00

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Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	2060
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1030
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	31930
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	618
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers. .	
Justification	
Provide service to customers	

UES Seacoast Construction Authorization

AUTH: **201094**

Date: **12/7/2020**

Budgeted Amount: **\$240,968.00**

Budget Item No: **DBBE40**
 Budget Year: **2020**
 Description: **Three Phase, URD Line Ext., 537 Ocean Blvd., Hampton**
 Project Supervisor: **Gilman, Catherine**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **12/7/2020 10:55:09 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **12/9/2020 12:59:10 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
12/7/2020	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$38,404.00
12/7/2020	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$18,288.00
12/7/2020	YES	Letourneau, Raymond <i>VP. Electric Operations</i>	Net Authorized Cost:	\$20,116.00
12/8/2020	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
12/9/2020	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$38,404.00

DESCRIPTION/SCOPE

Three phase, underground line extension to provide three phase service to the proposed 36 Unit condominium building. The customer will pay the reduced estimated cost of this line extension and traffic control, in accordance with the Economic Development Program, in advance. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost. UES to support the cost of one (1) pole and 300 Ft. of wire on private property.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM
 C-20201900 O/H/URD/TRAFFIC - BILLABLE \$38,404
 Less: Customer Contribution \$18,288 \$20,116
 Total Company Cost (Including Tel. Billing) \$20,116

NOTES

NOTE: Lt. Co. to set poles and anchors and bill Tel. Co. as follows:

1.00 Anchors Bel Billable N/C
 1.00 Poles - Billable \$700.00
 Total \$700.00

The Customer to support the cost of this bill.

AUTHORIZATION COMMENTS

SUMMARY: (Including Tel. Billing)

Customer Contribution \$18,288.00
 Construction Overheads \$14,843.00
 Overhead Line Allowance \$ 5,273.00
 (Deducted from Advance Payment)
 Total Project Cost \$38,404.00

38939

CWO Summary

CWO	Description	Amount
20201900	Three Phase, URD Line Ext., 537 Ocean Blvd., Hampton	\$38,404.00
Total		\$38,404.00

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Capital Budget 2020 UES Seacoast	
Project Description	
Year:	2020
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	2060
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1030
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	31930
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	618
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers. .	
Justification	
Provide service to customers	

**UES Capital
Construction Authorization**

Date: **2/1/2021**
Budgeted Amount: **\$1,166,793.80**

Budget Item No: BABC21 Budget Year: 2021 Description: T&D Improvements Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/1/2021 10:35:15 AM Initiated By: Lloyd, Charles Finalized Date: 2/12/2021 11:17:33 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$641,736.59
2/8/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$58,339.69
2/8/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$583,396.90
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$4,307.50
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$116,679.38
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$466.00
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$525,523.21
2/12/2021	YES	Hurstak, Daniel <i>Controller</i>		
2/12/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This blanket authorization is to cover labor and material for system upgrades or improvements that are less than \$30,000 and don't fit any other category.

The typical type of work that would normally be performed would be as follows:
 Less than < \$30,000
 Telephone Request,
 Cable TV Request,
 Services,
 Repairs / Replacement (failed, damaged, rotten/corroded, or in a state of disrepair) – essential to the operation of the system or a high probability of affecting reliability.

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2021.

Year full yr act. Jan to June %
 2016 \$1,114,829.00 \$520,910.00 47%
 2017 \$1,283,084.00 \$737,116.00 57%
 2018 \$1,420,232.00 \$595,500.00 42%
 2019 \$1,040,280.00 \$628,439.00 60%
 2020 \$1,383,243.76 \$575,610.00 42%
 Average \$1,248,333.75 \$611,515.00 50%

2021
 Budget amount - \$1,166,793.80
 1st six month auth - \$583,396.90
 % of total Budget- 50%
 Remaining Budget amount - \$583,396.90

JUSTIFICATION

Necessary additions and replacements to maintain a safe and reliable electric system.

NOTES

AUTHORIZATION COMMENTS

UES Capital
 Construction Authorization

AUTH: 210100
Date: 7/22/2021
Budgeted Amount: \$1,166,793.80

Budget Item No: **BABC21**
 Budget Year: **2021**
 Description: **T&D Improvements**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/22/2021 7:30:16 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **8/2/2021 7:22:21 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/26/2021	YES	Lydon, Lisa <i>Sr Plant Accountant</i>	Total Project Cost:	\$1,513,050.00
7/27/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$137,550.00
7/27/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,375,500.00
7/27/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$10,155.98
7/27/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$275,100.00
7/28/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,098.71
7/28/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$1,239,048.71
7/29/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
7/29/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised blanket authorization is to cover labor and material for system upgrades or improvements that are less than \$30,000 and don't fit any other category.

The typical type of work that would normally be performed would be as follows:

Less than < \$30,000

Telephone Request,

Cable TV Request,

Services,

Repairs / Replacement (failed, damaged, rotten/corroded, or in a state of disrepair) – essential to the operation of the system or a high probability of affecting reliability.

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$583,396.90

1st six Months (Jan to June) Actuals \$782,700.00

Total Budgeted Amount \$1,166,793.80

Revised Authorization Amount \$1,375,500.00

Variance (\$18,518.82) or 118% of Budget

JUSTIFICATION

Necessary additions and replacements to maintain a safe and reliable electric system.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	BABC21 T&D Improvements
Project Name:	T&D Improvements
Submitted By:	C. Lloyd
Project Categorizations	
Customer Driven, Government, Regulatory/Legal, IOP/Agreement, Load, Voltage, Protection, Safety, Reliability, Power Quality, Power Factor, Repair/Replacement, Economics, Other	
Project Estimates	
Labor Time to Install (Man Hours):	2867
Labor Time for Removal (Man Hours):	422
Transportation Expenses (Heavy Truck Hours):	1645
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	76014
Material UG Electric Construction (from Stockroom):	13414
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	296897
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	10
EDP? (Yes or No):	No
Retirement:	8615
Salvage:	932
Description/Scope	
This blanket is to cover labor and material for system upgrades or improvements that are less than \$30,000 and don't fit any other category.	
The typical type of work that would normally be performed would be as follows: Less than < \$30,000 Telephone Request, Cable TV Request, Services, Repairs / Replacement (failed, damaged, rotten/corroded, or in a state of disrepair) – essential to the operation of the system or a high probability of affecting reliability.	
Justification	
Necessary additions and replacements to maintain a safe and reliable electric system.	

UES Capital Construction Authorization

AUTH: **210101**

Date: **2/1/2021**

Budgeted Amount: **\$401,737.72**

Budget Item No: **BBBC21**
 Budget Year: **2021**
 Description: **New Customer Additions**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/1/2021 10:53:38 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **2/9/2021 2:47:45 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$198,860.17
2/8/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$18,078.20
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$180,781.97
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$2,687.85
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$36,156.39
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$419.40
			Blanket Authorization Total:	\$163,123.18

DESCRIPTION/SCOPE

This blanket authorization is to cover labor and material for new customer additions. Generally, this would be 1 pole and 1 section of wire (approx. 300 feet), anchor and guy or an underground service. In addition, this will include any work that needed to be done to the road pole to make it acceptable as a take off pole. The typical type of work that would normally be performed would be as follows: Installation of poles, wire, guys / anchors.

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2021.

Year full yr act. Jan to June %
2016 \$341,860.00 \$116,074.00 34.0%
2017 \$491,101.00 \$200,783.00 40.9%
2018 \$473,198.00 \$191,639.00 40.5%
2019 \$449,200.00 \$158,830.00 35.4%
2020 \$538,417.77 \$263,377.00 48.9%
Average \$458,755.35 \$186,140.60 40%

2021
 Budget amount - \$401,737.72
 1st six month auth - \$180,781.97
 % of total Budget- 45%
 Remaining Budget amount -\$220,955.75

JUSTIFICATION

Provide service to our customers. Estimate based on history with emphasis on number of new services installed.

NOTES

AUTHORIZATION COMMENTS

UES Capital
 Construction Authorization

AUTH: 210101
Date: 7/22/2021
Budgeted Amount: \$401,737.72

Budget Item No: **BBBC21**
 Budget Year: **2021**
 Description: **New Customer Additions**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/22/2021 9:09:14 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **8/2/2021 7:22:38 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/26/2021	YES	Lydon, Lisa <i>Sr Plant Accountant</i>	Total Project Cost:	\$517,440.00
7/27/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$47,040.00
7/27/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$470,400.00
7/27/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$6,993.86
7/27/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$94,080.00
7/28/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,091.29
7/28/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$424,451.29
7/29/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
7/29/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised blanket authorization is to cover labor and material for new customer additions for the full year 2021. Generally, this would be 1 pole and 1 section of wire (approx. 300 feet), anchor and guy or an underground service. In addition, this will include any work that needed to be done to the road pole to make it acceptable as a take off pole. The typical type of work that would normally be performed would be as follows: Installation of poles, wire, guys / anchors.

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$180,781.97
 1st six Months (Jan to June) Actuals \$257,200.00
 Total Budgeted Amount \$401,737.72
 Revised Authorization Amount \$470,400.00
 Variance (\$68,662.28) or 117% of budget

JUSTIFICATION

Provide service to our customers. Estimate based on history with emphasis on number of new services installed.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: BBBC21 New Customer Additions
Project Name: New Customer Additions
Submitted By: C. Lloyd

Project Categorizations

Customer Driven

Project Estimates

Labor Time to Install (Man Hours):	725
Labor Time for Removal (Man Hours):	127
Transportation Expenses (Heavy Truck Hours):	418
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	35380
Material UG Electric Construction (from Stockroom):	8841
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	102675
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	10
EDP? (Yes or No):	Yes
Retirement:	5973
Salvage:	932

Description/Scope

This blanket is to cover labor and material for new customer additions. Generally, this would be 1 pole and 1 section of wire (approx. 300 feet), anchor and guy or an underground service. In addition, this will include any work that needed to be done to the road pole to make it acceptable as a take off pole. The typical type of work that would normally be performed would be as follows: Installation of poles, wire, guys / anchors.

Justification

Provide service to our customers. Estimate based on history with emphasis on number of new services installed.

UES Capital Construction Authorization

AUTH: **210102**

Date: **2/1/2021**

Budgeted Amount: **\$103,410.09**

Budget Item No: BCBC21 Budget Year: 2021 Description: Outdoor Lighting Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/1/2021 11:46:32 AM Initiated By: Lloyd, Charles Finalized Date: 2/9/2021 2:47:52 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$58,581.82
2/8/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$1,706.27
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$56,875.55
2/8/2021	YES	Bonazoli, John <i>Managzer Distribution Engineer</i>	Retirement:	\$788.15
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$11,375.11
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$327.80
			Blanket Authorization Total:	\$47,534.51

DESCRIPTION/SCOPE

This blanket authorization is to cover labor and material for installing or replacing outdoor lighting. The typical type of work that would normally be performed would be as follows: Installation of poles, wire (secondary) and fixtures.

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2021.

Year full yr act. Jan to June %
 2016 \$146,036.00 \$96,799.00 66.3%
 2017 \$102,099.00 \$50,330.00 49.3%
 2018 \$129,257.00 \$73,929.00 57.2%
 2019 \$144,146.00 \$72,659.00 50.4%
 2020 \$134,234.64 \$97,583.00 72.7%
 Average \$131,154.53 \$78,260.00 59%

2021
 Budget amount - \$103,410.09
 1st six month auth - \$56,875.55
 % of total Budget- 55%
 Remaining Budget amount -\$46,534.54

JUSTIFICATION

Customer driven and obligation to maintain/replace existing lights.

NOTES

AUTHORIZATION COMMENTS

UES Capital
 Construction Authorization

AUTH: 210102
Date: 7/22/2021
Budgeted Amount: \$103,410.09

Budget Item No: **BCBC21**
 Budget Year: **2021**
 Description: **Outdoor Lighting**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/22/2021 9:37:10 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **8/2/2021 7:23:06 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/26/2021	YES	Lydon, Lisa <i>Sr Plant Accountant</i>	Total Project Cost:	\$119,686.00
7/27/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$3,486.00
7/27/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$116,200.00
7/27/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$1,610.24
7/27/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$23,240.00
7/28/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$669.71
7/28/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$97,115.71
7/29/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
7/29/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised blanket authorization is to cover labor and material for installing or replacing outdoor lighting for the full year 2021. The typical type of work that would normally be performed would be as follows: Installation of poles, wire (secondary) and fixtures.

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$56,875.55
 1st six Months (Jan to June) Actuals \$59,100.00
 Total Budgeted Amount \$103,410.09
 Revised Authorization Amount \$116,200.00
 Variance (\$12,789.91) or 112% of budget

JUSTIFICATION

Customer driven and obligation to maintain/replace existing lights.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	BCBC21 Outdoor Lighting
Project Name:	Outdoor Lighting
Submitted By:	C.Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	239
Labor Time for Removal (Man Hours):	42
Transportation Expenses (Heavy Truck Hours):	141
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	11493
Material UG Electric Construction (from Stockroom):	2875
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	11987
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	5
EDP? (Yes or No):	No
Retirement:	1433
Salvage:	596
Description/Scope	
This blanket is to cover labor and material for installing or replacing outdoor lighting. The typical type of work that would normally be performed would be as follows: Installation of poles, wire (secondary) and fixtures.	
Justification	
Customer driven and obligation to maintain/replace existing lights.	

UES Capital Construction Authorization

AUTH: **210103**

Date: **2/1/2021**

Budgeted Amount: **\$663,545.20**

Budget Item No: BDBC21 Budget Year: 2021 Description: Emergency & Storm Restoration Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/1/2021 12:05:41 PM Initiated By: Lloyd, Charles Finalized Date: 2/9/2021 2:47:56 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$298,595.34
2/8/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$298,595.34
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$8,433.45
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$59,719.07
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$843.30
			Blanket Authorization Total:	\$239,719.57

DESCRIPTION/SCOPE

This blanket authorization encompasses labor and material used on the system during emergency & storm restoration.

The typical type of work that would normally be performed would be as follows:

Replacement of poles, wire, cutouts, arresters, or any other associated capital hardware that pertains to overhead as well as underground

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2021.

Year full yr act. Jan to June %	
2016	\$355,203.00 \$155,173.00 43.7%
2017	\$691,698.00 \$268,855.00 38.9%
2018	\$837,113.00 \$364,883.00 43.6%
2019	\$1,030,433.00 \$403,683.00 39.2%
2020	\$624,468.71 \$266,908.00 42.7%
Average	\$707,783.14 \$291,900.40 42%

2021
 Budget amount - \$663,545.20
 1st six month auth - \$298,595.34
 % of total Budget- 45%
 Remaining Budget amount -\$364,949.86

JUSTIFICATION

Maintain satisfactory level of service to customer by providing reliable electric service.

NOTES

AUTHORIZATION COMMENTS

UES Capital
 Construction Authorization

AUTH: 210103
Date: 7/22/2021
Budgeted Amount: \$663,545.20

Budget Item No: **BDBC21**
 Budget Year: **2021**
 Description: **Emergency & Storm Restoration**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/22/2021 9:49:18 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **8/2/2021 7:26:14 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/26/2021	YES	Lydon, Lisa <i>Sr Plant Accountant</i>	Total Project Cost:	\$816,100.00
7/27/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
7/27/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$816,100.00
7/27/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$23,049.72
7/27/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$163,220.00
7/28/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$2,304.85
7/28/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$655,184.85
7/29/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
7/29/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised blanket authorization encompasses labor and material used on the system during emergency & storm restoration for the full year 2021.

The typical type of work that would normally be performed would be as follows:

Replacement of poles, wire, cutouts, arresters, or any other associated capital hardware that pertains to overhead as well as underground

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year.

Initial Authorization for first six months \$298,595.34
 1st six Months (Jan to June) Actuals \$436,200.00
 Total Budgeted Amount \$663,545.20
 Revised Authorization Amount \$816,100.00
 Variance (\$152,554.80) or 123% of budget

JUSTIFICATION

Maintain satisfactory level of service to customer by providing reliable electric service.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	BDBC21 Emergency & Storm Restoration
Project Name:	Emergency & Storm Restoration
Submitted By:	C. Lloyd
Project Categorizations	
Reliability, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	1620
Labor Time for Removal (Man Hours):	180
Transportation Expenses (Heavy Truck Hours):	900
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	24129
Material UG Electric Construction (from Stockroom):	2680
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	172104
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	18741
Salvage:	1874
Description/Scope	
This blanket encompasses labor and material used on the system during emergency & storm restoration.	
The typical type of work that would normally be performed would be as follows:	
Replacement of poles, wire, cutouts, arresters, or any other associated capital hardware that pertains to overhead as well as underground	
Justification	
Maintain satisfactory level of service to customer by providing reliable electric service.	

UES Capital Construction Authorization

AUTH: **210104**

Date: **2/1/2021**

Budgeted Amount: **\$214,031.26**

Budget Item No: **BEBC21**
 Budget Year: **2021**
 Description: **Billable Work**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**

Start Date:

Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/1/2021 1:28:50 PM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **2/9/2021 2:47:59 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$171,225.01
2/8/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$64,209.38
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$107,015.63
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$5,010.50
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$21,403.13
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$439.50
			Blanket Authorization Total:	\$150,261.38

DESCRIPTION/SCOPE

This blanket authorization covers labor and material for billable work. The typical type of work that would normally be performed would be as follows: Accidents, Cable TV, Temp Work, Miscellaneous, Overtime – outside normal work hours.

The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2021.

Year full yr act. Jan to June %
 2016 \$309,501.00 \$219,746.00 71.0%
 2017 \$262,242.00 \$123,843.00 47.2%
 2018 \$282,182.00 \$89,425.00 31.7%
 2019 \$194,897.00 \$87,218.00 44.8%
 2020 \$242,005.56 \$179,716.00 74.3%
 Average \$258,165.51 \$139,989.60 53.8%

2021
 Budget amount - \$214,031.26
 1st six month auth - \$107,015.63
 % of total Budget- 50%
 Remaining Budget amount - \$107,015.63

JUSTIFICATION

Obligation to respond to customer outages, broken poles, etc. Also, to perform work upon customer requests.

NOTES

AUTHORIZATION COMMENTS

UES Capital
 Construction Authorization

AUTH: **210104**
 Date: **7/22/2021**
 Budgeted Amount: **\$214,031.26**

Budget Item No: **BEBC21**
 Budget Year: **2021**
 Description: **Billable Work**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/22/2021 10:00:47 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **8/2/2021 7:27:23 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/26/2021	YES	Lydon, Lisa <i>Sr Plant Accountant</i>	Total Project Cost:	\$436,160.00
7/27/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$163,560.00
7/27/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$272,600.00
7/27/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$12,763.20
7/27/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$54,520.00
7/28/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,119.53
7/28/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$382,759.53
7/29/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
7/29/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised blanket authorization covers labor and material for billable work for the full year 2021..The typical type of work that would normally be performed would be as follows: Accidents, Cable TV, Temp Work, Miscellaneous, Overtime – outside normal work hours.

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$107,015.63
 1st six Months (Jan to June) Actuals \$202,500.00
 Total Budgeted Amount \$214,031.26
 Revised Authorization Amount \$272,600.00
 Variance (\$58,568.74) or 127% of Budget

JUSTIFICATION

Obligation to respond to customer outages, broken poles, etc. Also, to perform work upon customer requests.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	BEBC21 Billable work
Project Name:	Billable Work
Submitted By:	C. Lloyd
Project Categorizations	
Customer Driven, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	1577
Labor Time for Removal (Man Hours):	279
Transportation Expenses (Heavy Truck Hours):	928
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	22361
Material UG Electric Construction (from Stockroom):	2484
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	83078
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	No
Retirement:	10021
Salvage:	879
Description/Scope	
This blanket covers labor and material for billable work. The typical type of work that would normally be performed would be as follows: Accidents, Cable TV, Temp Work, Miscellaneous, Overtime – outside normal work hours.	
Justification	
Obligation to respond to customer outages, broken poles, etc. Also, to perform work upon customer requests.	

UES Capital Construction Authorization

Date: **2/1/2021**
Budgeted Amount: **\$88,611.23**

Budget Item No: BFBC21 Budget Year: 2021 Description: Transformers Company/Conversions Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/1/2021 1:37:43 PM Initiated By: Lloyd, Charles Finalized Date: 8/3/2021 8:33:42 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/26/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$86,600.00
8/3/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
7/27/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$86,600.00
7/27/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
7/28/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
8/3/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			Blanket Authorization Total:	\$86,600.00

DESCRIPTION/SCOPE

This revised blanket authorization is for the purchase and installation of transformers associated with anticipated company-driven system work such as conversions, stepdown additions or upgrades, etc., or for the purchase of spare regulator or stepdown transformer inventory, for the full year 2021.

The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$51,966.74
 1st six Months (Jan to June) Actuals \$38,500.00
 Total Budgeted Amount \$86,611.23
 Revised Authorization Amount \$86,600.00
 Variance \$11.23

JUSTIFICATION

Required for circuit conversion, stepdown changeouts, additions to working inventory or emergency spares, etc.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: BFBC21 Transformers Company/Conversions
Project Name: Transformers Company/Conversions
Submitted By: C. Lloyd

Project Categorizations

Load, Voltage, Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	58
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	29
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1420
Material UG Electric Construction (from Stockroom):	2342
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	44558
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1559
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	

Description/Scope

This budget item is for the purchase and installation of transformers associated with anticipated company-driven system work such as conversions, stepdown additions or upgrades, etc., or for the purchase of spare regulator or stepdown transformer inventory.

Justification

Required for circuit conversion, stepdown changeouts, additions to working inventory or emergency spares, etc.

UES Capital Construction Authorization

AUTH: **210106**

Date: **2/1/2021**

Budgeted Amount: **\$746,372.66**

Budget Item No: BGBC21 Budget Year: 2021 Description: Transformer Customer Requirements Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/1/2021 2:00:44 PM Initiated By: Lloyd, Charles Finalized Date: 2/9/2021 2:48:03 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$342,585.05
2/8/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$6,717.35
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$335,867.70
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			Blanket Authorization Total:	\$342,585.05

DESCRIPTION/SCOPE

This blanket authorization covers the costs associated with expenditures as the result of purchasing and installation of transformers in order to service new customers or maintain service to existing customers. The amount of this authorization was derived by using historical data from the previous 5 years and the expected workload for the first six months of 2021.

Year full yr act. Jan to June %
 2016 \$556,280.00 \$279,617.00 50%
 2017 \$877,474.00 \$281,254.00 32%
 2018 \$1,412,389.00 \$594,622.00 42%
 2019 \$1,030,302.00 \$278,400.00 27%
 2020 \$1,153,537.37 \$540,590.00 47%
 Average \$1,005,996.47 \$394,896.60 40%

2021
 Budget amount - \$746,372.66
 1st six month auth - \$335,867.70
 % of total Budget- 45%
 Remaining Budget amount -\$410,504.96

JUSTIFICATION

Provide and maintain service to customers. This covers customer-initiated projects requiring either new transformers or replacement of existing transformers (Customer Satisfaction).

NOTES

AUTHORIZATION COMMENTS

UES Capital
 Construction Authorization

AUTH: 210106
Date: 7/22/2021
Budgeted Amount: \$746,372.66

Budget Item No: **BGBC21**
 Budget Year: **2021**
 Description: **Transformer Customer Requirements**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/22/2021 10:08:56 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **8/2/2021 7:28:10 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/26/2021	YES	Lydon, Lisa <i>Sr Plant Accountant</i>	Total Project Cost:	\$897,906.00
7/27/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$17,606.00
7/27/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$880,300.00
7/27/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
7/27/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
7/28/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
7/28/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$897,906.00
7/29/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
7/29/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised blanket authorization covers the costs associated with expenditures as the result of purchasing and installation of transformers in order to service new customers or maintain service to existing customers, for the full year 2021. The total year projection was derived from reviewing the year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year

Initial Authorization for first six months \$335,867.70
 1st six Months (Jan to June) Actuals \$570,500.00
 Total Budgeted Amount \$746,372.66
 Revised Authorization Amount \$880,300.00
 Variance (\$133,927.34) or 118% of Budget

JUSTIFICATION

Provide and maintain service to customers. This covers customer-initiated projects requiring either new transformers or replacement of existing transformers (Customer Satisfaction).

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: BGBC21 Transformer Customer Requirements
Project Name: Transformer Customer Requirements
Submitted By: C. Lloyd

Project Categorizations

Customer Driven, Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	689
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	344
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1905
Material UG Electric Construction (from Stockroom):	2412
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	378525
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	35504
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	2
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	

Description/Scope

This budget item covers the costs associated with expenditures as the result of purchasing and installation of transformers in order to service new customers or maintain service to existing customers.

Justification

Provide and maintain service to customers. This covers customer-initiated projects requiring either new transformers or replacement of existing transformers (Customer Satisfaction).

UES Capital Construction Authorization

AUTH: 210107

Date: 2/4/2021

Budgeted Amount: \$405,170.97

Budget Item No: **BIBC21**
 Budget Year: **2021**
 Description: **Meter Blanket Customer Requirements**
 Project Supervisor: **Willett, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/4/2021 8:42:02 AM**
 Initiated By: **Willett, Scott**
 Finalized Date: **2/9/2021 2:16:33 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$405,170.97
2/8/2021	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$405,170.97
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
2/8/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			Blanket Authorization Total:	\$405,170.97

DESCRIPTION/SCOPE

The installation of new metering and equipment for Customer driven projects.
 The installation of meters and metering apparatus both residential and commercial for the purpose of accurately measuring Kilowatt Hour consumption with regard to Unitil Company rates.

JUSTIFICATION

Meters and metering apparatus required to meet customer needs in the 2021 budget year.
 Metering and apparatus was derived from trending of 2019- 2020 data.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: BIBC21 Meters Customer Requirements
Project Name: Meter Blanket Customer Requirements
Submitted By: S Willett

Project Categorizations

Customer Driven

Project Estimates

Labor Time to Install (Man Hours):	560
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	2880
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	211348
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

The installation of new metering and equipment for Customer driven projects.
 The installation of meters and metering apparatus both residential and commercial for the purpose of accurately measuring Kilowatt Hour consumption with regard to Unifil Company rates.

Justification

Meters and metering apparatus required to meet customer needs in the 2021 budget year.
 Metering and apparatus was derived from trending of 2019- 2020 data.

UES Capital Construction Authorization

AUTH: 210108

Date: 2/4/2021

Budgeted Amount: \$176,202.74

Budget Item No: BHBC21 Budget Year: 2021 Description: Meter Blanket Company Requirements Project Supervisor: Willett, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/4/2021 8:37:45 AM Initiated By: Willett, Scott Finalized Date: 2/9/2021 2:16:28 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$176,202.74
2/8/2021	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$176,202.74
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
2/8/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			Blanket Authorization Total:	\$176,202.74

DESCRIPTION/SCOPE

This blanket covers the cost of all company related projects in the metering area.

JUSTIFICATION

This budget includes any company related metering expense and in addition any leftover conversions of traditional step metering.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	BHBC21 Meters Company Requirements
Project Name:	Meter Blanket Company Requirements
Submitted By:	S Willett
Project Categorizations	
Load, Reliability, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	140
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	60
Transportation Expenses (Light Truck Miles):	720
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	100419
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
This blanket covers the cost of all company related projects in the metering area.	
Justification	
This budget includes any company related metering expense and in addition any leftover conversions of traditional step metering.	

UES Capital Construction Authorization

AUTH: 210109

Date: 4/12/2021

Budgeted Amount: \$264,346.35

Budget Item No: **SPBC10**
 Budget Year: **2021**
 Description: **Replace 13W2 Circuit Position Regulators**
 Project Supervisor: **Sherwood, Nathan**
 Crew Days: **2**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **4/12/2021 8:26:46 AM**
 Initiated By: **Sherwood, Nathan**
 Finalized Date: **4/21/2021 9:48:43 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
4/14/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$264,346.35
4/14/2021	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
4/14/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$264,346.35
4/21/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$10,000.00
4/14/2021	YES	Sherwood, Nathan <i>Sr. Design Engineer</i>	Cost Of Removal:	\$10,000.00
4/21/2021	YES	Krell, Paul <i>Manager Energy Sys. Engineer.</i>	Salvage:	\$0.00
4/14/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	CWO Total:	\$254,346.35
4/21/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>		

DESCRIPTION/SCOPE

This project consists of replacing the existing 13W2 circuit position 150A (240A rating in load bonus) voltage regulators at Boscawen substation.
 The new voltage regulators being installed will be rated for 438A/491A.

JUSTIFICATION

The 13W2 circuit position voltage regulators at Boscawen substation may be loaded as high as 120% of their normal summer rating during peak conditions. The voltage regulators can no longer be put in load bonus due to voltage violations determined in the system planning study. Not placing the voltage regulators in load bonus would further increase the loading over the normal summer rating.

The 13W2 voltage regulators exceeded their normal summer rating in the summer of 2020, partially due to new load from a gravel pit recently added to the circuit.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211600	Replace 13W2 Circuit Position Regulators	\$254,346.35
	Total	\$254,346.35

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 1
Budget Category: SPBC10 Substation Project
Project Name: Replace 13W2 Circuit Position Regulators
Submitted By: T. Glueck

Project Categorizations

Load

Project Estimates

Labor Time to Install (Man Hours):	48
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	24
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	3000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	65000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	50000
Other Specific Charges (\$):	57500
Overhead on Specific Charges (%):	30
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

This project consists of replacing the 13W2 circuit positions regulators.

Justification

The substation regulators at the 13W2 circuit position are loaded at 120% of their summer normal rating. They can no longer be put in load bonus due to voltage violations determined in the system planning study.

UES Capital Construction Authorization

AUTH: **202110**

Date: **2/1/2021**

Budgeted Amount: **\$685,200.25**

Budget Item No: DPBC01 Budget Year: 2021 Description: Distribution Pole Replacement Project Supervisor: Balch, Stanley Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/1/2021 12:38:52 PM Initiated By: Lloyd, Charles Finalized Date: 2/18/2021 10:30:13 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$685,200.25
2/8/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$685,200.25
2/9/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$5,360.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$137,040.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$535.00
2/16/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$548,695.25
2/18/2021	YES	Hurstak, Daniel <i>Controller</i>		
2/18/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This Authorization is for the replacement of distribution poles and cross arms that have been identified by an annual testing by the Utility Plant Inspector. This also includes the replacement of poles identified by Consolidated Communications inspection program.

Distribution Poles \$329,431.17
 Sub Trans Poles \$164,448.06
 Tel identified Poles \$ 54,816.02

JUSTIFICATION

The justification for this budget item is to maintain a safe and reliable infrastructure. Also, to comply with the Unitil facility inspection bulletin.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211601	Distribution Condemned Poles	\$329,431.17
20211604	Sub T Condemned Poles	\$164,448.06
20211605	Tel Co. Condemned Poles	\$54,816.02
	Total	\$548,695.25

UES Capital
Construction Authorization

AUTH: 210110
Date: 11/16/2021
Budgeted Amount: \$685,200.25

Budget Item No: **DPBC01**
 Budget Year: **2021**
 Description: **Distribution Pole Replacement**
 Project Supervisor: **Balch, Stanley**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **11/16/2021 9:59:27 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **12/8/2021 1:16:15 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
11/17/2021	YES	Lydon, Lisa <i>Sr Plant Accountant</i>	Total Project Cost:	\$1,043,865.00
11/17/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
11/17/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,043,865.00
11/18/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$8,165.67
11/29/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$208,773.00
11/30/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$815.04
11/30/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$835,907.04
12/6/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
12/7/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised Authorization is to capture unanticipated expenditures for the replacement of distribution poles and cross arms that have been identified by annual testing by the Utility Plant Inspector. This also includes the replacement of poles identified by Consolidated Communications inspection program.

The unfavorable variance is due to additional expenditures in an effort to catch up with the back log of priority two and three Distribution condemned poles, from previous years inspections.

Budgeted Amount - \$685,200.25
 Initial Authorization - \$685,200.25
 Revised Authorization - \$1,043,865.00
 Variance (\$358,664.75)

JUSTIFICATION

The justification for this budget item is to maintain a safe and reliable infrastructure. Also, to comply with the Unitil facility inspection bulletin.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211601	Distribution Condemned Poles	\$734,775.04
20211604	Sub T Condemned Poles	\$89,212.00
20211605	Tel Co. Condemned Poles	\$11,920.00
	Total	\$835,907.04

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 2
Budget Category: DPBC01 Distribution Projects
Project Name: Distribution Pole Replacement
Submitted By: C.Lloyd

Project Categorizations

Reliability, Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	916
Labor Time for Removal (Man Hours):	392
Transportation Expenses (Heavy Truck Hours):	655
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	53628
Material UG Electric Construction (from Stockroom):	2825
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	189470
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	5311
Salvage:	530

Description/Scope

Replacement of distribution poles and cross arms that have been identified by an annual testing by the Utility Plant Inspector.

Justification

The justification for this budget item is to maintain a safe and reliable infrastructure. Also, to comply with the Unitil facility inspection bulletin.

USC Service Authorization	Authorization No: S-000267 Date: 2/11/2021 Budgeted Amount: \$855,252.00
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Classification: Budgeted Budget Item No: GPC02 Budget Year: 2021 Project Name: 2021 Infrastructure PC and Network Project Supervisor: Darnell, Shane	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/11/2021 12:01:16 PM Initiated By: Darnell, Shane Finalized Date: 7/8/2021 10:31:24 AM Finalized By: Hilton, Mary Jane
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/2/2021	YES	Hilton, Mary Jane <i>Sr. Plant Accountant</i>	Internal Labor:	\$0.00
6/2/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Purchases:	\$560,252.00
6/2/2021	YES	Darnell, Shane <i>Director, IT Infrastructure</i>	Contract Services:	\$365,000.00
6/30/2021	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Other Specific Charges:	\$0.00
6/23/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Retirement:	\$0.00
6/30/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
6/30/2021	YES	Hurstak, Daniel <i>Controller</i>	Total Project Amount:	\$925,252.00
7/8/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

Network, Server, Desktop, mobile phones and Solarwinds replacements.

JUSTIFICATION

Network/Server
 - Sonicwall Server Monitoring for CFS/CBS - \$10,995
 - VPN SMA Server & Token Upgrades - \$54,292
 - Network Monitoring Software (solarwinds replace) - \$100,000

Desktop/Mobile
 - ATG laptops - \$45,280
 - Business laptops - \$195,910
 - Zebra tablets - \$15,000
 - Gas Ops Desktop/Monitor - \$10,000
 - Enterprise Desktop Replacements - \$10,000
 - Monitor Replacements - \$33,375
 - Chargers, Hard drives, Power Cords - \$25,000
 - iPhones/iPads - \$50,000
 - Replacement Printers \$10,400

Consulting
 - HA Consultant - \$50,000
 - Network Firewall Consultant - \$90,000
 - SysAdmin Patching Consultant - \$225,000

NOTES

AUTHORIZATION COMMENTS

UES 31% C-210113-20212501 \$286,828.12
 FGE 25% F-021026-20213301 \$231,313.00
 NU-NH 19% N-021013-00210001 \$175,797.88
 NU-ME 23% M-021014-00210001 \$212,807.96
 GSG 2% T-021001-00210001 \$18,505.04

USC Service Authorization	Authorization No: S-000267 Date: 11/23/2021 Budgeted Amount: \$855,252.00
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Classification: Budgeted Budget Item No: GPC02 Budget Year: 2021 Project Name: 2021 Infrastructure PC and Network Project Supervisor: Darnell, Shane	Type: Revision Sequence: 2 Status: Completed Initiated Date: 11/23/2021 12:48:10 PM Initiated By: Darnell, Shane Finalized Date: 12/8/2021 4:08:48 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
11/23/2021	YES	Hilton, Mary Jane <i>Sr. Plant Accountant</i>	Internal Labor:	\$0.00
11/23/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Purchases:	\$560,252.00
11/30/2021	YES	Darnell, Shane <i>Director, IT Infrastructure</i>	Contract Services:	\$525,000.00
11/29/2021	YES	Eisfeller, Justin <i>VP, Information Technology & Chief Technology Officer</i>	Other Specific Charges:	\$0.00
11/30/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Retirement:	\$0.00
11/30/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
12/6/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>	Total Project Amount:	\$1,085,252.00
12/7/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

Network, Server, Desktop, mobile phones and Solarwinds replacements.

JUSTIFICATION

Network/Server
 - Sonicwall Server Monitoring for CFS/CBS - \$10,995
 - VPN SMA Server & Token Upgrades - \$54,292
 - Network Monitoring Software (solarwinds replace) - \$100,000

Desktop/Mobile
 - ATG laptops - \$45,280
 - Business laptops - \$195,910
 - Zebra tablets - \$15,000
 - Gas Ops Desktop/Monitor - \$10,000
 - Enterprise Desktop Replacements - \$10,000
 - Monitor Replacements - \$33,375
 - Chargers, Hard drives, Power Cords - \$25,000
 - iPhones/iPads - \$50,000
 - Replacement Printers \$10,400

Consulting
 - HA Consultant - \$50,000
 - Network Firewall Consultant - \$90,000
 - SysAdmin Patching Consultant - \$225,000
 - Additional Consulting \$160,000 *** REVISION AMOUNT***

NOTES

Additional consultants are needed to replace/reimage 100+ laptops that became unresponsive to vulnerability patching, and assist with the project management of Network/Capital projects.

AUTHORIZATION COMMENTS

UES 31% C-210113-20212501 \$286,828.12
 FGE 25% F-021026-20213301 \$231,313.00
 NU-NH 19% N-021013-00210001 \$175,797.88
 NU-ME 23% M-021014-00210001 \$212,807.96
 GSG 2% T-021001-00210001 \$18,505.04

REVISED
 UES 31% C-210113-20212501 \$336,428.12
 FGE 25% F-021026-20213301 \$271,313.00
 NU-NH 19% N-021013-00210001 \$206,197.88
 NU-ME 23% M-021014-00210001 \$249,607.96
 GSG 2% T-021001-00210001 \$21,705.04

Capital Budget 2021 Unutil Service Corp

Item Description

Classification: Budgeted
Year: 2021
Company: Unutil Service Corp
Status: [A] Accepted
Priority: 2
Budget Number: GPC02
Budget Category: PC & Network
Item Name: 2021 Infrastructure PC and Network
Submitted By: Darnell, Shane
Director, IT Infrastructure
Entered By: Clark, Karen on 11/16/2018 3:35:49 PM
IT Project Manager
Status Changed By: Clark, Karen on 1/6/2021 2:54:05 PM
IT Project Manager

Estimates

Internal Labor (\$):	
Purchases (\$):	460252
Contract Services (\$):	395000
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

Network, Server, Desktop, Phones infrastructure replacements.

Justification

Network/Server

- Sonicwall Server Monitoring for CFS/CBS - \$10,995
- VPN SMA Server & Token Upgrades - \$54,292

Desktop/Mobile

- ATG laptops - \$45,280
- Business laptops - \$195,910
- Zebra tablets - \$15,000
- Gas Ops Desktop/Monitor - \$10,000
- Enterprise Desktop Replacements - \$10,000
- Monitor Replacements - \$33,375
- Chargers, Hard drives, Power Cords - \$25,000
- iPhones/iPads - \$50,000
- Replacement Printers \$10,400

Consulting

- HA Consultant - \$50,000
- Network Firewall Consultant - \$90,000
- SysAdmin Patching Consultant - \$225,000
- Solarwinds Server CFS Alerting - \$30,000

UES Capital Construction Authorization

AUTH: 210114

Date: 2/22/2021

Budgeted Amount: \$203,057.00

Budget Item No: DBBC01 Budget Year: 2021 Description: Three Phase OH to URD Line Ext 51 Antrim St, Concord Billable Project Supervisor: Raymond, Gary Crew Days: 8 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/22/2021 10:26:51 AM Initiated By: Otero, Heather Finalized Date: 2/26/2021 1:10:39 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/22/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$61,370.54
2/22/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$23,422.45
2/22/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$37,948.09
2/24/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
2/25/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
2/26/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
			CWO Total:	\$61,370.54

DESCRIPTION/SCOPE

This authorization is for the installation of three phase overhead to underground line extension also installing one Pole and one Padmount Transformer to service a new building at 51 Antrim St in Concord.

The customer will pay the reduced estimated cost of this line extension and transformers, in accordance with the Economic Development Program.

A Final accounting will be made after the work has been completed. The customer will be credited, or billed for the difference in the estimated and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

C-20211606 Billable \$61,370.54
 Less: Customer Contribution \$23,422.45

C-20211607 Non-Billable \$23,300.49

Total Company Costs \$37,948.09

Summary: (Excluding Transformers)
 Customer Contributions \$23,422.45
 Construction Overheads \$14,647.60
 Non-Billable Work \$23,300.49
 Total Project Cost: \$61,370.54

NOTES

Intake 40683

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211606	Three Phase OH to URD Line Ext 51 Antrim St, Concord Billable	\$38,070.05
20211607	Three Phase OH to URD Line Ext 51 Antrim St, Concord Non-Billable	\$23,300.49
Total		\$61,370.54

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	1600
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	800
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	842
Material UG Electric Construction (from Stockroom):	18000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3771
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide safe and reliable service to our customers.	

UES Capital
 Construction Authorization

AUTH: **210115**
 Date: **2/23/2021**
 Budgeted Amount: **\$1,041,621.81**

Budget Item No: **DPBC03**
 Budget Year: **2021**
 Description: **37 Line - Reconductor Penacook to Maccoy St Tap**
 Project Supervisor: **Sherwood, Nathan**
 Crew Days: **5**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/23/2021 9:10:19 AM**
 Initiated By: **Sherwood, Nathan**
 Finalized Date: **4/14/2021 9:38:36 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
4/5/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,041,621.81
4/5/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
4/5/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,041,621.81
4/5/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$10,000.00
4/5/2021	YES	Sherwood, Nathan <i>Sr. Design Engineer</i>	Cost Of Removal:	\$41,250.00
4/5/2021	YES	Krell, Paul <i>Manager Energy Sys. Engineer.</i>	Salvage:	\$0.00
4/6/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	CWO Total:	\$1,000,371.81
4/5/2021	YES	Sprague, Kevin <i>VP, Engineering</i>		
4/6/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>		
4/13/2021	YES	Hurstak, Daniel <i>Controller</i>		
4/14/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

Reconductor the 37 Line from pole 8 in the vicinity of Penacook substation to Maccoy Street tap (pole 34) to achieve a minimum summer normal rating of 600A.

JUSTIFICATION

The 37 line is a radial subtransmission line that is used to restore circuit 4X1 for a fault between Penacook substation and pole 12 Village Street. The existing conductor on the 37 line is expected to exceed its normal rating for more than 12 consecutive hours under 2021 Peak Design Load levels with all 4X1/37 line generation off-line.

NOTES

Straight 30% overhead on the following:
 CWO #20211629 (Outside Services, Fees, etc.)

Total project cost includes transfer of costs from the 2020 Preliminary Survey (37 Line Survey).

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211608	37 Line -Reconductor Penacook To Maccoy St., Tap	\$942,271.81
20211629	37 Line - Outside Services, Fees, etc.	\$58,100.00
	Total	\$1,000,371.81

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DPBC03 Distribution Projects
Project Name:	37 Line - Reconductor Penacook to Maccoy St Tap
Submitted By:	J. Dusling / P. Krell
Project Categorizations	
	Load
Project Estimates	
Labor Time to Install (Man Hours):	32
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	16
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	130000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	440000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	
Description/Scope	
Reconductor the 37 Line from pole 8 in the vicinity of Penacook substation to Maccoy Street tap (pole 34) to achieve a minimum summer normal rating of 600A.	
Justification	
The existing conductor on the 37 line is expected to exceed its normal rating for more than 12 consecutive hours under 2021 Peak Design Load levels with all 4X1/37 line generation off-line.	

UES Capital Construction Authorization

AUTH: **202116**

Date: **2/23/2021**

Budgeted Amount: **\$203,057.00**

Budget Item No: DBBC02 Budget Year: 2021 Description: Three Phase OH/UG Line Extension 830 N Pembroke Rd, Concord Project Supervisor: Raymond, Gary Crew Days: 5.6 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/23/2021 2:20:59 PM Initiated By: Otero, Heather Finalized Date: 2/26/2021 1:10:43 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/24/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$42,791.66
2/24/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/25/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$42,791.66
2/25/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/26/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$42,791.66

DESCRIPTION/SCOPE

This authorization is for the installation of three phase overhead to underground line extension also installing three Poles to a Padmount Transformer to service a new greenhouse located at 830 N Pembroke Rd in Concord, NH.

Company Portion \$42,791.66

Customer Contribution \$0.00

Total Project Cost \$42,791.66

JUSTIFICATION

A Rate-of-Return calculation has been performed by Business Development and this additional load meets the requirement for there to be no customer contribution. The customer has signed a Performance Agreement whereas any combination of time, usage and demand such that the funds invested by the Company for this project are fully recovered, on a simple payback basis, in no more than 5 years. A copy of this agreement is attached to this authorization.

NOTES

Intake 41808

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211609	Three Phase OH/UG Line Extension 830 N Pembroke Rd, Concord	\$42,791.66
Total		\$42,791.66

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Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	1600
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	800
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	842
Material UG Electric Construction (from Stockroom):	18000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3771
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide safe and reliable service to our customers.	

UES Capital Construction Authorization

AUTH: 210117

Date: 1/29/2021

Budgeted Amount: \$6,000.00

Budget Item No: EAEC01
Budget Year: 2021
Description: Purchase and Replace Rubber Goods
Project Supervisor: Lloyd, Charles
Crew Days: 0
Start Date:
Completion Date:

Type: Original
Sequence: 1
Status: Completed
Initiated Date: 1/29/2021 9:19:31 AM
Initiated By: Lloyd, Charles
Finalized Date: 2/9/2021 2:16:56 AM
Finalized By: Lydon, Lisa

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$6,000.00
2/8/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$6,000.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$6,000.00

DESCRIPTION/SCOPE

This authorization covers the cost associated with the unscheduled replacement of rubber goods such as rubber hoses and rubber blankets etc.

JUSTIFICATION

This equipment is used to cover equipment and material during live line work to ensure adequate safety clearances.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212502	Purchase and Replace Rubber Goods	\$6,000.00
	Total	\$6,000.00

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	EAEC01 Tools, Shop, Garage
Project Name:	Purchase and Replace Rubber Goods
Submitted By:	C.Lloyd
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	<input type="text"/>
Labor Time for Removal (Man Hours):	<input type="text"/>
Transportation Expenses (Heavy Truck Hours):	<input type="text"/>
Transportation Expenses (Light Truck Miles):	<input type="text"/>
Material OH Electric Construction (from Stockroom):	<input type="text"/>
Material UG Electric Construction (from Stockroom):	<input type="text"/>
Material Gas Construction (from Stockroom):	<input type="text"/>
Material Direct Charge (Ordered directly to job.):	6000
Material Hot Water Heaters:	<input type="text"/>
Contract Labor Hours (Man Hours):	<input type="text"/>
Contract Services:	<input type="text"/>
Other Specific Charges (\$):	<input type="text"/>
Overhead on Specific Charges (%):	<input type="text"/>
Customer Contribution (%) (before OH's applied):	<input type="text"/>
EDP? (Yes or No):	??
Retirement:	<input type="text"/>
Salvage:	<input type="text"/>
Description/Scope	
This budget item covers the cost associated with the unscheduled replacement of rubber goods such as rubber hoses and rubber blankets etc.	
Justification	
This equipment is used to cover equipment and material during live line work to ensure adequate safety clearances.	

UES Capital Construction Authorization

AUTH: **210118**
Date: **1/29/2021**
Budgeted Amount: **\$4,000.00**

Budget Item No: EAEC02 Budget Year: 2021 Description: Purchase and Replace Hot Line Tools Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 1/29/2021 9:18:19 AM Initiated By: Lloyd, Charles Finalized Date: 2/9/2021 2:16:45 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$4,000.00
2/8/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$4,000.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$4,000.00

DESCRIPTION/SCOPE

This authorization covers the cost associated with additions and replacement of hot-line equipment such as: hot sticks, shot guns, link sticks, and insulated tools.

JUSTIFICATION

These tools are used to maintain material and equipment on energized distribution and transmission lines to ensure adequate safety clearances.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212503	Purchase and Replace Hot Line Tools	\$4,000.00
	Total	\$4,000.00

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	EAEC02 Tools, Shop, Garage
Project Name:	Purchase and Replace Hot Line Tools
Submitted By:	C. Lloyd
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	<input type="text"/>
Labor Time for Removal (Man Hours):	<input type="text"/>
Transportation Expenses (Heavy Truck Hours):	<input type="text"/>
Transportation Expenses (Light Truck Miles):	<input type="text"/>
Material OH Electric Construction (from Stockroom):	<input type="text"/>
Material UG Electric Construction (from Stockroom):	<input type="text"/>
Material Gas Construction (from Stockroom):	<input type="text"/>
Material Direct Charge (Ordered directly to job.):	4000
Material Hot Water Heaters:	<input type="text"/>
Contract Labor Hours (Man Hours):	<input type="text"/>
Contract Services:	<input type="text"/>
Other Specific Charges (\$):	<input type="text"/>
Overhead on Specific Charges (%):	<input type="text"/>
Customer Contribution (%) (before OH's applied):	<input type="text"/>
EDP? (Yes or No):	No
Retirement:	<input type="text"/>
Salvage:	<input type="text"/>
Description/Scope	
This project covers the cost associated with additions and replacement of hot-line equipment such as: hot sticks, shot guns, link sticks, and insulated tools.	
Justification	
These tools are used to maintain material and equipment on energized distribution and transmission lines to ensure adequate safety clearances.	

UES Capital Construction Authorization

AUTH: 210119

Date: 1/29/2021

Budgeted Amount: \$14,500.00

Budget Item No: EAEC03 Budget Year: 2021 Description: Tools, Shop & Garage - Normal Additions and Replacements Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 1/29/2021 9:16:13 AM Initiated By: Lloyd, Charles Finalized Date: 2/9/2021 2:16:39 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$14,500.00
2/8/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$14,500.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$14,500.00

DESCRIPTION/SCOPE

This authorization covers the cost of unscheduled additions and replacements of tools and equipment normally utilized by Line Dept., Garage and Stockroom.

JUSTIFICATION

Allows for replacement of failed and broken tools and any addition that may be needed.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212504	Tools, Shop & Garage - Normal Additions and Replacements	\$14,500.00
	Total	\$14,500.00

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	EAEC03 Tools, Shop, Garage
Project Name:	Tools, Shop & Garage - Normal Additions and Replacements
Submitted By:	C.Lloyd
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	<input type="text"/>
Labor Time for Removal (Man Hours):	<input type="text"/>
Transportation Expenses (Heavy Truck Hours):	<input type="text"/>
Transportation Expenses (Light Truck Miles):	<input type="text"/>
Material OH Electric Construction (from Stockroom):	<input type="text"/>
Material UG Electric Construction (from Stockroom):	<input type="text"/>
Material Gas Construction (from Stockroom):	<input type="text"/>
Material Direct Charge (Ordered directly to job.):	14500
Material Hot Water Heaters:	<input type="text"/>
Contract Labor Hours (Man Hours):	<input type="text"/>
Contract Services:	<input type="text"/>
Other Specific Charges (\$):	<input type="text"/>
Overhead on Specific Charges (%):	<input type="text"/>
Customer Contribution (%) (before OH's applied):	<input type="text"/>
EDP? (Yes or No):	??
Retirement:	<input type="text"/>
Salvage:	<input type="text"/>
Description/Scope	
This covers the cost of unscheduled additions and replacements of tools and equipment normally utilized by Line Dept., Garage and Stockroom.	
Justification	
Allows for replacement of failed and broken tools and any addition that may be needed.	

UES Capital Construction Authorization

AUTH: **210120**
Date: **1/29/2021**
Budgeted Amount: **\$18,000.00**

Budget Item No: GPBC01 Budget Year: 2021 Description: Normal Improvements to Capital Facility Project Supervisor: Agel, Jacquie Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 1/29/2021 11:26:18 AM Initiated By: Doucette, George Finalized Date: 2/28/2021 10:37:55 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$18,000.00
2/10/2021	YES	Agel, Jacquie <i>Manager, Fleet & Facilities</i>	Less Customer Contribution:	\$0.00
2/28/2021	YES	Closson, John <i>VP, People, Shared Services & Org. Effectiveness</i>	Net Authorized Cost:	\$18,000.00
			Retirement:	\$0.00
			Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$18,000.00

DESCRIPTION/SCOPE

This item is to address any unanticipated minor structure needs or failures at the UES Capital facility.

JUSTIFICATION

This budget item covers minor unanticipated structure needs or the replacement of existing components of the building structure that have failed or have broken.

NOTES

8/19/20 GD: Changed status to under review.

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212505	Normal Improvements to Capital Facility	\$18,000.00
	Total	\$18,000.00

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	3
Budget Category:	GPBC01 Structures
Project Name:	Normal Improvements to Capital Facility
Submitted By:	Kearns, Jason
Project Categorizations	
	Other
Project Estimates	
Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	18000.00
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
This item is to address any unanticipated minor structure needs or failures at the UES Capital facility.	
Justification	
This budget item covers minor unanticipated structure needs or the replacement of existing components of the building structure that have failed or have broken.	

UES Capital Construction Authorization

AUTH: **20121**
Date: **2/1/2021**
Budgeted Amount: **\$3,000.00**

Budget Item No: EDEC01 Budget Year: 2021 Description: Office Furn & Equip - Normal Replacement & Additions Project Supervisor: Doucette, George Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/1/2021 11:27:50 AM Initiated By: Doucette, George Finalized Date: 2/28/2021 10:38:09 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$3,000.00
2/12/2021	YES	Agel, Jacquie <i>Manager, Fleet & Facilities</i>	Less Customer Contribution:	\$0.00
2/28/2021	YES	Closson, John <i>VP, People, Shared Services & Org. Effectiveness</i>	Net Authorized Cost:	\$3,000.00
			Retirement:	\$0.00
			Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$3,000.00

DESCRIPTION/SCOPE

This budget item is for the addition or replacement of Office Furniture and equipment in 2021. This project encompasses both the purchase of new office furniture and equipment for unanticipated needs and for the replacement of exiting furniture or equipment that has failed or broken. It also covers furniture and equipment upgrades post employee workstation assessments. These assessments are coordinated and managed by Human Resources.

JUSTIFICATION

The approval of this budget item will assure the replacement of equipment and furniture when necessary. It will also make it possible for the purchase of ergonomic furniture and equipment when the HR assessment deems it essential for the wellbeing of the employee.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212506	Office Furn & Equip - Normal Replacement & Additions	\$3,000.00
	Total	\$3,000.00

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 3
Budget Category: EDEC01 Office Furniture
Project Name: Office Furn & Equip - Normal Replacement & Additions
Submitted By: Jacquie Agel

Project Categorizations

Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	3000
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

This budget item is for the addition or replacement of Office Furniture and equipment in 2021. This project encompasses both the purchase of new office furniture and equipment for unanticipated needs and for the replacement of exiting furniture or equipment that has failed or broken. It also covers furniture and equipment upgrades post employee workstation assessments. These assessments are coordinated and managed by Human Resources.

Justification

The approval of this budget item will assure the replacement of equipment and furniture when necessary. It will also make it possible for the purchase of ergonomic furniture and equipment when the HR assessment deems it essential for the wellbeing of the employee.

UES Capital Construction Authorization

AUTH: 210122

Date: 2/2/2021

Budgeted Amount: \$68,664.41

Budget Item No: SPBC08 Budget Year: 2021 Description: Replace Fence Sections at Langdon, Boscawen and Penacook S/S Project Supervisor: Jacobs, Andrew Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/2/2021 10:19:52 AM Initiated By: Jacobs, Andrew Finalized Date: 2/9/2021 2:48:10 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$68,664.41
2/8/2021	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$68,664.41
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$68,664.41

DESCRIPTION/SCOPE

This project is to replace fence sections Penacook and Boscawen and install a man gate near control house at Penacook and a vehicle gate on the backside of Langdon,

JUSTIFICATION

Sections of the fence and/or gates need replacement due to tree growth and posts that are rotted or have been damaged by snow plowing. Gaps under the fence and between gate posts exceed our internal guidelines.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211610	Replace Fence Sections at Langdon, Boscawen and Penacook S/S	\$68,664.41
	Total	\$68,664.41

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 2
Budget Category: SPBC08 Substation Project
Project Name: Replace Fence Sections at Langdon, Boscawen and Penacook S/S
Submitted By: A. Jacobs

Project Categorizations

Safety, Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	48
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	24
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	40000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

This project is to replace fence sections Penacook and Boscawen and install a man gate near control house at Penacook and a vehicle gate on the backside of Langdon,

Justification

Sections of the fence and/or gates need replacement due to tree growth and posts that are rotted or have been damaged by snow plowing. Gaps under the fence and between gate posts exceed our internal guidelines.

UES Capital Construction Authorization

AUTH: 210123

Date: 2/2/2021

Budgeted Amount: \$12,000.00

Budget Item No: **EAEC05**
 Budget Year: **2021**
 Description: **Normal Additions and Replacements - Tools and Equipment - Substation**
 Project Supervisor: **Jacobs, Andrew**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/2/2021 10:23:07 AM**
 Initiated By: **Jacobs, Andrew**
 Finalized Date: **2/9/2021 2:17:07 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$12,000.00
2/8/2021	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$12,000.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$12,000.00

DESCRIPTION/SCOPE

Purchase new tools or replace existing as required.

JUSTIFICATION

This project is required to maintain the ability to perform construction, maintenance and testing activities or improve work practices and productivity.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212507	Normal Additions and Replacements - Tools and Equipment - Substation	\$12,000.00
Total		\$12,000.00

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	EAEC05 Tools, Shop, Garage
Project Name:	Normal Additions and Replacements - Tools and Equipment - Substation
Submitted By:	J. Goudreault
Project Categorizations	
	Repair/Replacement, Other
Project Estimates	
Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	12000
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
Purchase new tools or replace existing as required.	
Justification	
This project is required to maintain the ability to perform construction, maintenance and testing activities or improve work practices and productivity.	

UES Capital Construction Authorization

AUTH: **210124**
Date: **2/2/2021**
Budgeted Amount: **\$31,800.00**

Budget Item No: EAEC07 Budget Year: 2021 Description: Purchase OMICRON ARCO Recloser Test Set Project Supervisor: Jacobs, Andrew Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/2/2021 10:27:13 AM Initiated By: Jacobs, Andrew Finalized Date: 2/9/2021 2:17:14 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$31,800.00
2/8/2021	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$31,800.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$31,800.00

DESCRIPTION/SCOPE

Purchase substation ARCO recloser test set.

JUSTIFICATION

This project is will improve efficiency and productivity of construction, maintenance and testing activities.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212508	Purchase OMICRON ARCO Recloser Test Set	\$31,800.00
	Total	\$31,800.00

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 3
Budget Category: EAEC07 Tools, Shop, Garage
Project Name: Purchase OMICRON ARCO Recloser Test Set
Submitted By: A. Jacobs

Project Categorizations

Other

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	31800
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

Purchase substation ARCO recloser test set.

Justification

This project is will improve efficiency and productivity of construction, maintenance and testing activities.

UES Capital Construction Authorization

AUTH: 210129

Date: 2/2/2021

Budgeted Amount: \$34,159.45

Budget Item No: **SPBC09**
 Budget Year: **2021**
 Description: **Iron Works 22W1 Control Replacement**
 Project Supervisor: **Krell, Paul**
 Crew Days: **4**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/2/2021 1:42:41 PM**
 Initiated By: **Krell, Paul**
 Finalized Date: **5/17/2021 12:06:06 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
5/13/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$34,159.45
5/14/2021	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
5/14/2021	YES	Krell, Paul <i>Manager Energy Sys. Engineer.</i>	Net Authorized Cost:	\$34,159.45
5/14/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$1,000.00
5/16/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$2,800.00
5/17/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
			CWO Total:	\$31,359.45

DESCRIPTION/SCOPE

Replace Form 3A control with microprocessor control.

JUSTIFICATION

There have been intermittent problems with this control. This is an obsolete product, spare parts are not available and on hand spare parts are limited.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211614	Iron Works 22W1 Control Replacement	\$31,359.45
	Total	\$31,359.45

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	SPBC09 Substation Project
Project Name:	Iron Works 22W1 Control Replacement
Submitted By:	J.Goudreault
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	48
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	24
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	15000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
Replace Form 3A control with microprocessor control.	
Justification	
There have been intermittent problems with this control. Spare parts are not available and on hand spare parts are limited.	

UES Capital Construction Authorization

AUTH: **210130**

Date: **2/4/2021**

Budgeted Amount: **\$223,010.14**

Budget Item No: **DPBC02**
 Budget Year: **2021**
 Description: **Porcelain Cutout Replacements**
 Project Supervisor: **Balch, Stanley**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/4/2021 6:58:01 AM**
 Initiated By: **Balch, Stanley**
 Finalized Date: **2/9/2021 2:17:34 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/4/2021	YES	Hilton, Mary Jane <i>Sr. Plant Accountant</i>	Total Project Cost:	\$223,010.14
2/5/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$223,010.14
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$1,000.00
2/5/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$15,264.45
2/8/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$207,745.69

DESCRIPTION/SCOPE

This is the third year of a multi-year program to replace potted-porcelain distribution cutouts with silicone rubber cutouts.

Locations of the cutout replacements will be determined based on reliability impact.

JUSTIFICATION

Over the past 7 years, Unitil has experienced an increase in porcelain cutout failures. From 2012 through 2019 Unitil has encounter 313 outages caused by failed cutouts.

- 32 in 2012
- 28 in 2013
- 28 in 2014
- 49 in 2015
- 61 in 2016
- 46 in 2017
- 56 in 2018
- 13 in 2019

Furthermore, additional cutouts not included in the numbers above have failed, but have not been the direct cause of outages. These units are typically identified when responding to outage calls not caused by the cutout failure or upon inspection when other work is taking place in the area.

NOTES

Based cost on 200 cutouts per year

Cutouts \$135/ea. = \$27000
 Misc. Material - \$3000

600 MH = 2 crews for 4.25 weeks. = completing approx. 10 cutouts per day.

2020 Estimate X 3%

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211615	Porcelain Cutout Replacements	\$207,745.69
Total		\$207,745.69

UES Capital Construction Authorization

AUTH: **210130**
 Date: **7/6/2021**
 Budgeted Amount: **\$223,010.14**

Budget Item No: **DPBC02**
 Budget Year: **2021**
 Description: **Porcelain Cutout Replacements**
 Project Supervisor: **Balch, Stanley**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **7/6/2021 2:38:58 PM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **7/14/2021 10:13:10 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
7/6/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$490,500.29
7/6/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
7/6/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$490,500.29
7/6/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$11,789.06
7/13/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$98,100.00
7/13/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,176.71
7/13/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$393,577.00
7/13/2021	YES	Hurstak, Daniel <i>Controller</i>		
7/14/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization is account for additional expenditures for cutout replacements in 2021. The additional replacements will maximize local contractor availability and minimize customer outages due to failing cutouts. The majority of the cut out replacements in 2021 have and will be on 34.5 kv main line circuits. This is the third year of a multi-year program to replace potted-porcelain distribution cutouts with silicone rubber cutouts.

Locations of the cutout replacements will be determined based on reliability impact.

Budget amount - \$223,010.14
 Original Authorization amount - \$223,010.14
 Revised Authorization amount - \$490,500.29
 Variance- \$267,489.86

JUSTIFICATION

Over the past 7 years, Unitil has experienced an increase in porcelain cutout failures. From 2012 through 2019 Unitil has encounter 313 outages caused by failed cutouts.

- 32 in 2012
- 28 in 2013
- 28 in 2014
- 49 in 2015
- 61 in 2016
- 46 in 2017
- 56 in 2018
- 13 in 2019

Furthermore, additional cutouts not included in the numbers above have failed, but have not been the direct cause of outages. These units are typically identified when responding to outage calls not caused by the cutout failure or upon inspection when other work is taking place in the area.

NOTES

Based cost on 200 cutouts per year

Cutouts \$135/ea. = \$27000
 Misc. Material - \$3000

600 MH = 2 crews for 4.25 weeks. = completing approx. 10 cutouts per day.

2020 Estimate X 3%

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211615	Porcelain Cutout Replacements	\$393,577.00
	Total	\$393,577.00

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	3
Budget Category:	DPBC02 Distribution Projects
Project Name:	Porcelain Cutout Replacements
Submitted By:	J. Dusling
Project Categorizations	
	Safety, Reliability, Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	580
Labor Time for Removal (Man Hours):	100
Transportation Expenses (Heavy Truck Hours):	340
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	30900
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	5665
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	1000
Salvage:	0
Description/Scope	
This is the third year of a multi-year program to replace potted-porcelain distribution cutouts with silicone rubber cutouts.	
Locations of the cutout replacements will be determined based on reliability impact.	
Justification	
Over the past 7 years, Unitil has experienced an increase in porcelain cutout failures. From 2012 through 2019 Unitil has encounter 313 outages caused by failed cutouts.	
<ul style="list-style-type: none"> - 32 in 2012 - 28 in 2013 - 28 in 2014 - 49 in 2015 - 61 in 2016 - 46 in 2017 - 56 in 2018 - 13 in 2019 	
Furthermore, additional cutouts not included in the numbers above have failed, but have not been the direct cause of outages. These units are typically identified when responding to outage calls not caused by the cutout failure or upon inspection when other work is taking place in the area.	

UES Capital Construction Authorization

AUTH: 210131

Date: 2/4/2021

Budgeted Amount: \$7,000.00

Budget Item No: EAEC04 Budget Year: 2021 Description: Normal additions & replacement - tools & equipment Metering Project Supervisor: Willett, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/4/2021 8:47:30 AM Initiated By: Willett, Scott Finalized Date: 2/9/2021 2:17:21 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$7,000.00
2/8/2021	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$7,000.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$7,000.00

DESCRIPTION/SCOPE

The normal addition and replacement of tools and equipment utilized by the Electric Meter Department.

JUSTIFICATION

Addition of tools required to perform work and replacement of tools broken or damaged throughout the year.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212510	Normal additions & replacement - tools & equipment Metering	\$7,000.00
Total		\$7,000.00

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	EAEC04 Tools, Shop, Garage
Project Name:	Normal additions & replacement - tools & equipment Metering
Submitted By:	S Willett
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	<input type="text"/>
Labor Time for Removal (Man Hours):	<input type="text"/>
Transportation Expenses (Heavy Truck Hours):	<input type="text"/>
Transportation Expenses (Light Truck Miles):	<input type="text"/>
Material OH Electric Construction (from Stockroom):	<input type="text"/>
Material UG Electric Construction (from Stockroom):	<input type="text"/>
Material Gas Construction (from Stockroom):	<input type="text"/>
Material Direct Charge (Ordered directly to job.):	<input type="text"/>
Material Hot Water Heaters:	<input type="text"/>
Contract Labor Hours (Man Hours):	<input type="text"/>
Contract Services:	<input type="text"/>
Other Specific Charges (\$):	7000
Overhead on Specific Charges (%):	<input type="text"/>
Customer Contribution (%) (before OH's applied):	<input type="text"/>
EDP? (Yes or No):	??
Retirement:	<input type="text"/>
Salvage:	<input type="text"/>
Description/Scope	
The normal addition and replacement of tools and equipment utilized by the Electric Meter Department.	
Justification	
Addition of tools required to perform work and replacement of tools broken or damaged throughout the year.	

UES Capital Construction Authorization

AUTH: 210132

Date: 2/4/2021

Budgeted Amount: \$7,000.00

Budget Item No: **EBBC01**
 Budget Year: **2021**
 Description: **Lab Equipment - Normal Additions and Replacements**
 Project Supervisor: **Willett, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/4/2021 8:48:48 AM**
 Initiated By: **Willett, Scott**
 Finalized Date: **2/9/2021 2:17:28 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$7,000.00
2/8/2021	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$7,000.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$7,000.00

DESCRIPTION/SCOPE

This covers unscheduled additions and replacements of lab instruments, test equipment, etc.

JUSTIFICATION

Ensure adequate measurement and testing capabilities to meet service expectations and regulatory requirements.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212511	Lab Equipment - Normal Additions and Replacements	\$7,000.00
	Total	\$7,000.00

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	EBBC01 Laboratory
Project Name:	Lab Equipment - Normal Additions and Replacements
Submitted By:	S Willett
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	7000
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
This covers unscheduled additions and replacements of lab instruments, test equipment, etc.	
Justification	
Ensure adequate measurement and testing capabilities to meet service expectations and regulatory requirements.	

UES Capital Construction Authorization

AUTH: **20135**
Date: **2/9/2021**
Budgeted Amount: **\$77,000.00**

Budget Item No: EAEC08 Budget Year: 2021 Description: Purchase Omicron Power Factor Test Set Project Supervisor: Jacobs, Andrew Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/9/2021 8:14:40 AM Initiated By: Jacobs, Andrew Finalized Date: 2/18/2021 10:26:22 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/9/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$85,038.00
2/9/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
2/10/2021	YES	Goudreau, James <i>Manager, Electric Dispatch & Substations</i>	Net Authorized Cost:	\$85,038.00
2/10/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
2/11/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
2/16/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
2/16/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$85,038.00
2/18/2021	YES	Hurstak, Daniel <i>Controller</i>		
2/18/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

Purchase Omicron Power Factor Test Set

JUSTIFICATION

UES currently does not have power factor testing capabilities. This is an issue that will need to be addressed with Broken Ground and Kingston now in-service. There are already known issues with borrowing the one test set from FGE for use in UES because we have no backup in event of failure, calibration, or repair. It also limits the company to testing in one location at a time in an environment that requires the flexibility to perform maintenance across multiple districts simultaneously.

NOTES

Note: the cost is higher than the budgeted amount to reflect an update between the quote from 2020 and increases in 2021

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212512	Purchase Omicron Power Factor Test Set	\$85,038.00
	Total	\$85,038.00

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 3
Budget Category: EAEC08 Tools, Shop, Garage
Project Name: Purchase Omicron Power Factor Test Set
Submitted By: Jacobs

Project Categorizations

Other

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	77000
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

Purchase Omicron Power Factor Test Set

Justification

UES currently does not have power factor testing capabilities. This is an issue that will need to be addressed with Broken Ground and Kingston now in-service. There are already known issues with borrowing the one test set from FGE for use in UES because we have no backup in event of failure, calibration, or repair. It also limits the company to testing in one location at a time in an environment that requires the flexibility to perform maintenance across multiple districts simultaneously.

USC Service Authorization	Authorization No: S-000263 Date: 1/29/2021 Budgeted Amount: \$1,067,465.00
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Classification: Budgeted Budget Item No: GSC06 Budget Year: 2021 Project Name: 2021 Customer Facing Enhancements Project Supervisor: Gamble, Michelle	Type: Original Sequence: 1 Status: Completed Initiated Date: 1/29/2021 5:27:25 PM Initiated By: Gamble, Michelle Finalized Date: 3/2/2021 8:21:05 AM Finalized By: Laffond, Courtney
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/9/2021	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Internal Labor:	\$340,000.00
2/10/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Purchases:	\$344,000.00
2/15/2021	YES	Gamble, Michelle <i>Manager, IT Systems Support</i>	Contract Services:	\$383,465.00
2/15/2021	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Other Specific Charges:	\$0.00
2/26/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Retirement:	\$0.00
2/26/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
2/27/2021	YES	Hurstak, Daniel <i>Controller</i>	Total Project Amount:	\$1,067,465.00
2/27/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

The Customer Facing Enhancements is a comprehensive list of work to be done in 2021 for improvements in the areas of Billing, Credit & Collections, Retail Choice and Customer Service. Throughout the year as support items are entered, some are deemed to be "enhancements" and not covered under support. These tickets are coded as "enhancement" and reviewed each year for prioritization to be captured in the annual CIS enhancement work.
 This work includes all customer facing tools such as billing, rates, revenue, cash, sundry, metering, and work orders.

JUSTIFICATION

The full list of enhancements will improve business processes in the following departments: Billing, Customer Service, Retail Choice, Credit & Collections, and Customer Service

The enhancements identified for this project create the following additional benefits to the CIS environment:

- Address risk to revenue collection
- Streamline business processes (lowering risk of user errors)
- Enhance customer interaction & customer self-service offerings
- Meet new regulatory requirements

NOTES

AUTHORIZATION COMMENTS

UES 32% C-210136-20212513 \$341,588.80
 FGE 25% F-021054-20213315 \$266,866.25
 NU-NH 19% N-021034-00210008 \$202,818.35
 NU-ME 24% M-021031-00210007 \$256,191.60

Capital Budget 2021 Unitil Service Corp

Item Description

Classification: Budgeted
Year: 2021
Company: Unitil Service Corp
Status: [A] Accepted
Priority: 1
Budget Number: GSC06
Budget Category: Software/System
Item Name: 2021 Customer Facing Enhancements
Submitted By: Gamble, Michelle
Manager, IT Systems Support
Entered By: Gamble, Michelle on 11/16/2018 2:30:32 PM
Manager, IT Systems Support
Status Changed By: Gamble, Michelle on 7/27/2021 9:35:01 AM
Manager, IT Systems Support

Estimates

Internal Labor (\$):	340000.00
Purchases (\$):	344000.00
Contract Services (\$):	383465.00
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

The Customer Facing Enhancements is a comprehensive list of work to be done in 2021 for improvements in the areas of Billing, Credit & Collections, Retail Choice and Customer Service. Throughout the year as support items are entered, some are deemed to be "enhancements" and not covered under support. These tickets are coded as "enhancement" and reviewed each year for prioritization to be captured in the annual CIS enhancement work. This work includes all customer facing tools such as billing, rates, revenue, cash, sundry, metering, and work orders.

Justification

The full list of enhancements will improve business processes in the following departments: Billing, Customer Service, Retail Choice, Credit & Collections, and Customer Service

The enhancements identified for this project create the following additional benefits to the CIS environment:

- Address risk to revenue collection
- Streamline business processes (lowering risk of user errors)
- Enhance customer interaction & customer self-service offerings
- Meet new regulatory requirements

2021 Customer Facing Enhancements
 UES 32% C-210136-20212513
 FGE 25% F-021054-20213315
 NU-NH 19% N-021034-00210008
 NU-ME 24% M-021031-00210007

807.96 2021 Customer Facing Enhancements-UES
 807.97 2021 Customer Facing Enhancements-FGE
 807.98 2021 Customer Facing Enhancements-NUNH
 807.99 2021 Customer Facing Enhancements-NUME

USC Service Authorization			Authorization No: S-000261	
			Date: 1/29/2021	
			Budgeted Amount: \$45,000.00	
Classification: Budgeted Budget Item No: GPC01 Budget Year: 2021 Project Name: 2021 Cyber Security Enhancements Project Supervisor: Hood, Kimberly			Type: Original Sequence: 1 Status: Completed Initiated Date: 1/29/2021 10:09:20 AM Initiated By: Hood, Kimberly Finalized Date: 2/26/2021 3:14:41 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/9/2021	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Internal Labor:	\$0.00
2/15/2021	YES	Hood, Kimberly <i>Cybersecurity & Compliance Manager</i>	Purchases:	\$45,000.00
2/15/2021	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Contract Services:	\$0.00
2/26/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Other Specific Charges:	\$0.00
			Retirement:	\$0.00
			Salvage:	\$0.00
			Total Project Amount:	\$45,000.00
DESCRIPTION/SCOPE				
Recommended tools will enhance Unutil's ability to monitor, secure, alert and observe activities that will increase network resilience, improve performance and enhance configuration management.				
JUSTIFICATION				
Unutil yearly evaluates it's cyber security posture through assessments such as C2M2 and NIST Framework modeling. In addition, Unutil performs yearly Cyber incident response drills as well as real world investigations into potential threats as identified.				
The tools that are purchased have been identified to address risks and gaps that exist in Unutil's arsenal to combat cyber threats. The replacement and maintenance of these tools assist in the investigation of threats and abnormal events.				
NOTES				
AUTHORIZATION COMMENTS				
UES 32% C-210137-20212514 \$14,400.00 FGE 25% F-021055-20213316 \$11,250.00 NU-NH 19% N-021035-00210009 \$8,550.00 NU-ME 24% M-021032-00210008 \$10,800.00				

Capital Budget 2021 Unutil Service Corp	
Item Description	
Classification:	Budgeted
Year:	2021
Company:	Unutil Service Corp
Status:	[A] Accepted
Priority:	1
Budget Number:	GPC01
Budget Category:	PC & Network
Item Name:	2021 Cyber Security Enhancements
Submitted By:	Hood, Kimberly <i>Cybersecurity & Compliance Manager</i>
Entered By:	Clark, Karen on 11/16/2018 11:42:46 AM <i>IT Project Manager</i>
Status Changed By:	Clark, Karen on 1/6/2021 3:03:23 PM <i>IT Project Manager</i>
Estimates	
Internal Labor (\$):	<input type="text"/>
Purchases (\$):	45000
Contract Services (\$):	<input type="text"/>
Other Specific Charges (\$):	<input type="text"/>
Retirement (\$):	<input type="text"/>
Salvage (\$):	<input type="text"/>
Description/Scope	
Recommended tools will enhance Unutil's ability to monitor, secure, alert and observe activities that will increase network resilience, improve performance and enhance configuration management.	
Justification	
Unutil yearly evaluates it's cyber security posture through assessments such as C2M2 and NIST Framework modeling. In addition, Unutil performs yearly Cyber incident response drills as well as real world investigations into potential threats as identified.	
The tools that are purchased have been identified to address risks and gaps that exist in Unutil's arsenal to combat cyber threats. The replacement and maintenance of these tools assist in the investigation of threats and abnormal events.	

**UES Capital
 Construction Authorization**

AUTH: 210140
Date: 2/11/2021
Budgeted Amount: \$460,939.00

Budget Item No: DRBC32 Budget Year: 2021 Description: Installer Viper Recloser and Switches Project Supervisor: Balch, Stanley Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/11/2021 3:00:39 PM Initiated By: Balch, Stanley Finalized Date: 2/24/2021 12:36:01 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/16/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$136,014.00
2/16/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/24/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$136,014.00
2/17/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/17/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$34,003.00
2/24/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$102,011.00

DESCRIPTION/SCOPE

This project is to install a new microprocessor based recloser at P.95 and a switch at P.85 Fisherville Rd, Concord

JUSTIFICATION

There have been several large outages in the past year. Installing a recloser sectionalizes the exposure of customers to outages downline of the new recloser. It provides immediate interrupting as well. The GOAB switch allows for ~1213 customers to be restored via 4W3, should an upline fault occur.

Estimated Annual Savings:

Customer Minutes: 108,069
 Customer Interruptions: 1,452

NOTES

Intake# 42821 and 42822

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211618	Installer Viper Recloser and Switches	\$102,011.00
	Total	\$102,011.00

Capital Budget 2021 UES Capital

Project Description

Year: 2021
 Company: UES Capital
 Status: [A] Accepted
 Priority: 3
 Budget Category: DRBC00 Reliability Projects
 Project Name: Reliability Projects
 Submitted By: J.Goudreault

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	668
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	334
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	54193
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	102540
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	18419
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	0
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

DRBC06 - Install Recloser and Switches, Fisherville Rd - 4W4

This project is to install a new microprocessor based recloser and a switch at P.92 and P.89 Fisherville Rd, Concord (respectively).

DRBC08 - Install Recloser on Pleasant St - 6X3

Install a microprocessor-based recloser in the vicinity of Pole 83 on Pleasant St, Concord.

DRBC09 - Install Recloser on Dover Rd - 8X3

Install a microprocessor-based recloser in the vicinity of Pole 5 on Dover Rd, Epsom.

DRBC10 - Fusesaver Installations

This reliability budget project is to install fusesavers at 5 different locations.

- (1) @ Borough Rd, Canterbury
- (3) @ Rocky Point Dr, Bow
- (1) @ Elm St, Boscawen
- (1) @ Old Turnpike Rd, Salisbury
- (1) @ W. Portsmouth St, Concord

These fusesaver installations will require additional work apart from the fusesaver installation, e.g. pole and wire replacements, etc.

Justification

DRBC06 - Install Recloser and Switches, Fisherville Rd - 4W4

There have been several large outages in the past year. Installing a recloser sectionalizes the exposure of customers to outages downline of the new recloser. It provides immediate interrupting as well. The GOAB switch allows for ~1213 customers to be restored via 4W3, should an upline fault occur.

Estimated Annual Savings:

Customer Minutes: 108,069
Customer Interruptions: 1,452

DRBC08 - Install Recloser on Pleasant St - 6X3

6X3 splits into two directions just outside of the substation. A recloser is being installed in the easterly direction in 2020. This recloser is to be installed in the westerly direction to protect the other half of the circuit. This recloser will limit the scale of outages on the circuit. It also will prevent the Concord Hospital from experiencing an outage from faults to the west of Langley Parkway.

Estimated Annual Savings:
Customer Minutes: 11,563
Customer Interruptions: 192

DRBC09 - Install Recloser on Dover Rd - 8X3

8X3 does not currently have a circuit backup to restore load for an outage outside of the substation. Adding sectionalizing points will limit the impact of outages beyond the new recloser.

Estimated Annual Savings:
Customer Minutes of Interruption: 50,025
Customer Interruptions: 602

DRBC10 - Fusesaver Installations

The identified areas experienced several patrolled, nothing found, animal, and broken limb-related outages. Fusesavers add one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings (total):

Customer Minutes of Interruption: 20,443
Customer Interruptions: 198

USC Service Authorization			Authorization No: S-000269 Date: 2/17/2021 Budgeted Amount: \$100,000.00	
Classification: Budgeted Budget Item No: GSC04 Budget Year: 2021 Project Name: Reporting Blanket Project Supervisor: Haynes, Jeremy		Type: Original Sequence: 1 Status: Completed Initiated Date: 2/17/2021 4:28:53 PM Initiated By: Clark, Karen Finalized Date: 3/5/2021 10:11:36 AM Finalized By: Laffond, Courtney		
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/18/2021	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Internal Labor:	\$75,000.00
3/4/2021	YES	Haynes, Jeremy <i>Director, IT Application Development</i>	Purchases:	\$0.00
3/5/2021	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Contract Services:	\$25,000.00
2/26/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Other Specific Charges:	\$0.00
3/5/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Retirement:	\$0.00
			Salvage:	\$0.00
			Total Project Amount:	\$100,000.00
DESCRIPTION/SCOPE				
Cognos Report Development requests that need to be prioritized and worked throughout the year. There is a comprehensive list of reporting requests that will primarily benefit the following functional areas: - Accounting - Billing - Credit & Collections - Training - Communications - Customer Service - Customer Energy Solutions - Engineering - Metering - Regulatory - Retail Choice / Supplier Mgmt. Internal IT Labor - 1000 hrs @ \$75/hr = \$75,000 Contact Labor: 25000				
JUSTIFICATION				
The various department managers submit reporting requests to identify potential problems that need to be manually worked to ensure reliability and integrity of customer account information to mitigate customer or regulatory dissatisfaction or problems.				
NOTES				
AUTHORIZATION COMMENTS				
UES 31% C-210141-20212517 \$31,000.00 FGE 25% F-021062-20213320 \$25,000.00 NU-NH 19% N-021049-00210016 \$19,000.00 NU-ME 23% M-021043-00210015 \$23,000.00 GSG 2% T-021003-00210003 \$2,000.00				

Capital Budget 2021 Unitil Service Corp

Item Description

Classification: Budgeted
Year: 2021
Company: Unitil Service Corp
Status: [A] Accepted
Priority: 2
Budget Number: GSC04
Budget Category: Software/System
Item Name: Reporting Blanket
Submitted By: Haynes, Jeremy
Director, Enterprise IT Systems
Entered By: Gamble, Michelle on 11/16/2018 1:47:05 PM
Manager, IT Systems Support
Status Changed By: Haynes, Jeremy on 1/27/2021 11:10:53 AM
Director, Enterprise IT Systems

Estimates

Internal Labor (\$):	75000.00
Purchases (\$):	
Contract Services (\$):	25000
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

Cognos Report Development requests that need to be prioritized and worked throughout the year.
 There is a comprehensive list of reporting requests that will primarily benefit the following functional areas:

- Accounting
- Billing
- Credit & Collections
- Training
- Communications
- Customer Service
- Customer Energy Solutions
- Engineering
- Metering
- Regulatory
- Retail Choice / Supplier Mgmt.

Internal IT Labor - 1000 hrs @ \$75/hr = \$75,000
 Contact Labor: 25000

Justification

The various department managers submit reporting requests to identify potential problems that need to be manually worked to ensure reliability and integrity of customer account information to mitigate customer or regulatory dissatisfaction or problems.

Capital Budget 2021 Unitil Service Corp	
Item Description	
Classification:	Budgeted
Year:	2021
Company:	Unitil Service Corp
Status:	[A] Accepted
Priority:	3
Budget Number:	GSC02
Budget Category:	Software/System
Item Name:	2021 General Software Enhancements
Submitted By:	Haynes, Jeremy <i>Director, Enterprise IT Systems</i>
Entered By:	Clark, Karen on 11/15/2018 3:07:40 PM <i>IT Project Manager</i>
Status Changed By:	Clark, Karen on 2/26/2021 1:47:40 PM <i>IT Project Manager</i>
Estimates	
Internal Labor (\$):	75000
Purchases (\$):	
Contract Services (\$):	
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	
Description/Scope	
<p>This budget item is to cover the costs of internal time associated with small Technology additions, enhancements, and upgrades where such activities cannot be reasonably identified or are too small (< \$10,000) to budget as a specific project.</p> <p>These small projects maintain the value and viability of systems or are small projects that add value unto themselves.</p>	
Justification	
<ol style="list-style-type: none"> 1. Required to maintain the value and viability of Unitil Information Technology systems. 2. Capture smaller capital projects that would not otherwise be capitalized. 	

USC Service Authorization			Authorization No: S-000270	
			Date: 2/17/2021	
			Budgeted Amount: \$75,000.00	
Classification: Budgeted Budget Item No: GSC02 Budget Year: 2021 Project Name: 2021 General Software Enhancements Project Supervisor: Haynes, Jeremy		Type: Original Sequence: 1 Status: Completed Initiated Date: 2/17/2021 4:44:16 PM Initiated By: Clark, Karen Finalized Date: 3/5/2021 1:45:24 PM Finalized By: Laffond, Courtney		
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/26/2021	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Internal Labor:	\$75,000.00
3/4/2021	YES	Haynes, Jeremy <i>Director, IT Application Development</i>	Purchases:	\$0.00
3/5/2021	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Contract Services:	\$0.00
3/5/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Other Specific Charges:	\$0.00
3/5/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Retirement:	\$0.00
			Salvage:	\$0.00
			Total Project Amount:	\$75,000.00
DESCRIPTION/SCOPE				
This budget item is to cover the costs of internal time associated with small Technology additions, enhancements, and upgrades where such activities cannot be reasonably identified or are too small (< \$10,000) to budget as a specific project. These small projects maintain the value and viability of systems or are small projects that add value unto themselves.				
JUSTIFICATION				
1. Required to maintain the value and viability of Unitil Information Technology systems. 2. Capture smaller capital projects that would not otherwise be capitalized.				
NOTES				
AUTHORIZATION COMMENTS				
UES 31% C-0210142-20212518 \$23,250.00 FGE 25% F-021063-20213321 \$18,750.00 NU-NH 19% N-021050-00210017 \$14,250.00 NU-ME 23% M-021044-00210016 \$17,250.00 GSG 2% T-021004-00210004 \$1,500.00				

UES Capital Construction Authorization

AUTH: 210143

Date: 2/18/2021

Budgeted Amount: \$460,939.00

Budget Item No: **DRBC33**
 Budget Year: **2021**
 Description: **Install Fuse Saver - West Portsmouth St., Concord**
 Project Supervisor: **Balch, Stanley**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/18/2021 1:25:28 PM**
 Initiated By: **Balch, Stanley**
 Finalized Date: **2/26/2021 1:12:16 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/18/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$13,369.00
2/18/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/24/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$13,369.00
2/25/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/26/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$3,342.00
			Salvage:	\$0.00
			CWO Total:	\$10,027.00

DESCRIPTION/SCOPE

Install a crossarm mounted Fuse Saver at pole 8 West Portsmouth Street, Concord.

JUSTIFICATION

This area has experienced several patrolled, nothing found, animal, and broken limb-related outages. The Fuse Saver will add one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings:

Customer Minutes of Interruption: 2,166

Customer Interruptions: 25

NOTES

Intake# 42875

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211619	Install Fuse Saver - West Portsmouth St., Concord	\$10,027.00
	Total	\$10,027.00

Printed: 2/6/2022 8:36:37 AM

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 3
Budget Category: DRBC00 Reliability Projects
Project Name: Reliability Projects
Submitted By: J.Goudreault

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	668
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	334
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	54193
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	102540
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	18419
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	0
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

DRBC06 - Install Recloser and Switches, Fisherville Rd - 4W4

This project is to install a new microprocessor based recloser and a switch at P.92 and P.89 Fisherville Rd, Concord (respectively).

DRBC08 - Install Recloser on Pleasant St - 6X3

Install a microprocessor-based recloser in the vicinity of Pole 83 on Pleasant St, Concord.

DRBC09 - Install Recloser on Dover Rd - 8X3

Install a microprocessor-based recloser in the vicinity of Pole 5 on Dover Rd, Epsom.

DRBC10 - Fusesaver Installations

This reliability budget project is to install fusesavers at 5 different locations.

- (1) @ Borough Rd, Canterbury
- (3) @ Rocky Point Dr, Bow
- (1) @ Elm St, Boscawen
- (1) @ Old Turnpike Rd, Salisbury
- (1) @ W. Portsmouth St, Concord

These fusesaver installations will require additional work apart from the fusesaver installation, e.g. pole and wire replacements, etc.

Justification

DRBC06 - Install Recloser and Switches, Fisherville Rd - 4W4

There have been several large outages in the past year. Installing a recloser sectionalizes the exposure of customers to outages downline of the new recloser. It provides immediate interrupting as well. The GOAB switch allows for ~1213 customers to be restored via 4W3, should an upline fault occur.

Estimated Annual Savings:

Customer Minutes: 108,069
Customer Interruptions: 1,452

DRBC08 - Install Recloser on Pleasant St - 6X3

6X3 splits into two directions just outside of the substation. A recloser is being installed in the easterly direction in 2020. This recloser is to be installed in the westerly direction to protect the other half of the circuit. This recloser will limit the scale of outages on the circuit. It also will prevent the Concord Hospital from experiencing an outage from faults to the west of Langley Parkway.

Estimated Annual Savings:

Customer Minutes: 11,563
Customer Interruptions: 192

DRBC09 - Install Recloser on Dover Rd - 8X3

8X3 does not currently have a circuit backup to restore load for an outage outside of the substation. Adding sectionalizing points will limit the impact of outages beyond the new recloser.

Estimated Annual Savings:

Customer Minutes of Interruption: 50,025
Customer Interruptions: 602

DRBC10 - Fusesaver Installations

The identified areas experienced several patrolled, nothing found, animal, and broken limb-related outages. Fusesavers add one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings (total):

Customer Minutes of Interruption: 20,443
Customer Interruptions: 198

UES Capital Construction Authorization

AUTH: **210141**

Date: **2/18/2021**

Budgeted Amount: **\$460,939.00**

Budget Item No: DRBC34 Budget Year: 2021 Description: Instal (3) Fuse Savers - Rocky Point Dr., Bow Project Supervisor: Balch, Stanley Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/18/2021 1:38:40 PM Initiated By: Balch, Stanley Finalized Date: 2/26/2021 1:11:45 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/18/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$40,327.00
2/18/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/24/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$40,327.00
2/25/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/26/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$10,081.00
			Salvage:	\$0.00
			CWO Total:	\$30,246.00

DESCRIPTION/SCOPE

Install (3) Fuse Savers on Pole 1 Rocky Point Drive in Bow. The (3) porcelain cutouts will also be replaced on the pole.

JUSTIFICATION

This area has experienced several patrolled, nothing found, animal, and broken limb-related outages. The Fuse Savers will add one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings:

Customer Minutes of Interruption: 5,073

Customer Interruptions: 61

NOTES

Intake# 42872

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211620	Instal (3) Fuse Savers - Rocky Point Dr., Bow	\$30,246.00
	Total	\$30,246.00

Printed: 2/6/2022 8:36:37 AM

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 3
Budget Category: DRBC00 Reliability Projects
Project Name: Reliability Projects
Submitted By: J.Goudreau

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	668
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	334
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	54193
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	102540
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	18419
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	0
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

DRBC06 - Install Recloser and Switches, Fisherville Rd - 4W4

This project is to install a new microprocessor based recloser and a switch at P.92 and P.89 Fisherville Rd, Concord (respectively).

DRBC08 - Install Recloser on Pleasant St - 6X3

Install a microprocessor-based recloser in the vicinity of Pole 83 on Pleasant St, Concord.

DRBC09 - Install Recloser on Dover Rd - 8X3

Install a microprocessor-based recloser in the vicinity of Pole 5 on Dover Rd, Epsom.

DRBC10 - Fusesaver Installations

This reliability budget project is to install fusesavers at 5 different locations.

- (1) @ Borough Rd, Canterbury
- (3) @ Rocky Point Dr, Bow
- (1) @ Elm St, Boscawen
- (1) @ Old Turnpike Rd, Salisbury
- (1) @ W. Portsmouth St, Concord

These fusesaver installations will require additional work apart from the fusesaver installation, e.g. pole and wire replacements, etc.

Justification

DRBC06 - Install Recloser and Switches, Fisherville Rd - 4W4

There have been several large outages in the past year. Installing a recloser sectionalizes the exposure of customers to outages downline of the new recloser. It provides immediate interrupting as well. The GOAB switch allows for ~1213 customers to be restored via 4W3, should an upline fault occur.

Estimated Annual Savings:

Customer Minutes: 108,069
Customer Interruptions: 1,452

DRBC08 - Install Recloser on Pleasant St - 6X3

6X3 splits into two directions just outside of the substation. A recloser is being installed in the easterly direction in 2020. This recloser is to be installed in the westerly direction to protect the other half of the circuit. This recloser will limit the scale of outages on the circuit. It also will prevent the Concord Hospital from experiencing an outage from faults to the west of Langley Parkway.

Estimated Annual Savings:

Customer Minutes: 11,563
Customer Interruptions: 192

DRBC09 - Install Recloser on Dover Rd - 8X3

8X3 does not currently have a circuit backup to restore load for an outage outside of the substation. Adding sectionalizing points will limit the impact of outages beyond the new recloser.

Estimated Annual Savings:

Customer Minutes of Interruption: 50,025
Customer Interruptions: 602

DRBC10 - Fusesaver Installations

The identified areas experienced several patrolled, nothing found, animal, and broken limb-related outages. Fusesavers add one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings (total):

Customer Minutes of Interruption: 20,443
Customer Interruptions: 198

UES Capital Construction Authorization

AUTH: 210145

Date: 2/18/2021

Budgeted Amount: \$460,939.00

Budget Item No: **DRBC35**
 Budget Year: **2021**
 Description: **Install Fuse Saver - Old Turnpike Rd., Salisbury**
 Project Supervisor: **Balch, Stanley**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/18/2021 1:53:36 PM**
 Initiated By: **Balch, Stanley**
 Finalized Date: **2/26/2021 1:10:32 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/18/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$29,519.00
2/18/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/24/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$29,519.00
2/25/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/26/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$7,380.00
			Salvage:	\$0.00
			CWO Total:	\$22,139.00

DESCRIPTION/SCOPE

Install a Fuse Saver on Pole 145 Old Turnpike Road in Salisbury. In addition two poles will need to be replaced and two sections of primary and neutral will need to be re-conducted. Reconducting is necessary to support the Fuse Saver unit.

JUSTIFICATION

This area has experienced several patrolled, nothing found, animal, and broken limb-related outages. The Fuse Saver will add one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings:

Customer Minutes of Interruption: 4,271
 Customer Interruptions: 35

NOTES

Intake# 42874

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211621	Install Fuse Saver - Old Turnpike Rd., Salisbury	\$22,139.00
Total		\$22,139.00

Printed: 2/6/2022 8:36:37 AM

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 3
Budget Category: DRBC00 Reliability Projects
Project Name: Reliability Projects
Submitted By: J.Goudreault

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	668
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	334
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	54193
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	102540
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	18419
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	0
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

DRBC06 - Install Recloser and Switches, Fisherville Rd - 4W4

This project is to install a new microprocessor based recloser and a switch at P.92 and P.89 Fisherville Rd, Concord (respectively).

DRBC08 - Install Recloser on Pleasant St - 6X3

Install a microprocessor-based recloser in the vicinity of Pole 83 on Pleasant St, Concord.

DRBC09 - Install Recloser on Dover Rd - 8X3

Install a microprocessor-based recloser in the vicinity of Pole 5 on Dover Rd, Epsom.

DRBC10 - Fusesaver Installations

This reliability budget project is to install fusesavers at 5 different locations.

- (1) @ Borough Rd, Canterbury
- (3) @ Rocky Point Dr, Bow
- (1) @ Elm St, Boscawen
- (1) @ Old Turnpike Rd, Salisbury
- (1) @ W. Portsmouth St, Concord

These fusesaver installations will require additional work apart from the fusesaver installation, e.g. pole and wire replacements, etc.

Justification

DRBC06 - Install Recloser and Switches, Fisherville Rd - 4W4

There have been several large outages in the past year. Installing a recloser sectionalizes the exposure of customers to outages downline of the new recloser. It provides immediate interrupting as well. The GOAB switch allows for ~1213 customers to be restored via 4W3, should an upline fault occur.

Estimated Annual Savings:

Customer Minutes: 108,069
Customer Interruptions: 1,452

DRBC08 - Install Recloser on Pleasant St - 6X3

6X3 splits into two directions just outside of the substation. A recloser is being installed in the easterly direction in 2020. This recloser is to be installed in the westerly direction to protect the other half of the circuit. This recloser will limit the scale of outages on the circuit. It also will prevent the Concord Hospital from experiencing an outage from faults to the west of Langley Parkway.

Estimated Annual Savings:

Customer Minutes: 11,563
Customer Interruptions: 192

DRBC09 - Install Recloser on Dover Rd - 8X3

8X3 does not currently have a circuit backup to restore load for an outage outside of the substation. Adding sectionalizing points will limit the impact of outages beyond the new recloser.

Estimated Annual Savings:

Customer Minutes of Interruption: 50,025
Customer Interruptions: 602

DRBC10 - Fusesaver Installations

The identified areas experienced several patrolled, nothing found, animal, and broken limb-related outages. Fusesavers add one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings (total):

Customer Minutes of Interruption: 20,443
Customer Interruptions: 198

UES Capital Construction Authorization

AUTH: 210146

Date: 2/18/2021

Budgeted Amount: \$460,939.00

Budget Item No: **DRBC36**
 Budget Year: **2021**
 Description: **Install Fuse Saver - Borough Rd., Canterbury**
 Project Supervisor: **Balch, Stanley**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/18/2021 2:03:29 PM**
 Initiated By: **Balch, Stanley**
 Finalized Date: **2/26/2021 1:10:34 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/18/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$22,291.00
2/18/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/24/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$22,291.00
2/25/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/26/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$5,572.00
			Salvage:	\$0.00
			CWO Total:	\$16,719.00

DESCRIPTION/SCOPE

Install a Fuse Saver on Pole 50, Borough Road in Canterbury. In addition one pole and two sections of primary and neutral will need to be reconductored. The reconductoring is necessary to support the Fuse Saver unit.

JUSTIFICATION

This area has experienced several patrolled, nothing found, animal, and broken limb-related outages. The Fuse Saver will add one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings:

Customer Minutes of Interruption: 4,200
 Customer Interruptions: 20

NOTES

Intake# 42871

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211622	Install Fuse Saver - Borough Rd., Canterbury	\$16,719.00
Total		\$16,719.00

Printed: 2/6/2022 8:36:37 AM

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 3
Budget Category: DRBC00 Reliability Projects
Project Name: Reliability Projects
Submitted By: J.Goudreault

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	668
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	334
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	54193
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	102540
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	18419
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	0
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

DRBC06 - Install Recloser and Switches, Fisherville Rd - 4W4

This project is to install a new microprocessor based recloser and a switch at P.92 and P.89 Fisherville Rd, Concord (respectively).

DRBC08 - Install Recloser on Pleasant St - 6X3

Install a microprocessor-based recloser in the vicinity of Pole 83 on Pleasant St, Concord.

DRBC09 - Install Recloser on Dover Rd - 8X3

Install a microprocessor-based recloser in the vicinity of Pole 5 on Dover Rd, Epsom.

DRBC10 - Fusesaver Installations

This reliability budget project is to install fusesavers at 5 different locations.

- (1) @ Borough Rd, Canterbury
- (3) @ Rocky Point Dr, Bow
- (1) @ Elm St, Boscawen
- (1) @ Old Turnpike Rd, Salisbury
- (1) @ W. Portsmouth St, Concord

These fusesaver installations will require additional work apart from the fusesaver installation, e.g. pole and wire replacements, etc.

Justification

DRBC06 - Install Recloser and Switches, Fisherville Rd - 4W4

There have been several large outages in the past year. Installing a recloser sectionalizes the exposure of customers to outages downline of the new recloser. It provides immediate interrupting as well. The GOAB switch allows for ~1213 customers to be restored via 4W3, should an upline fault occur.

Estimated Annual Savings:

Customer Minutes: 108,069
Customer Interruptions: 1,452

DRBC08 - Install Recloser on Pleasant St - 6X3

6X3 splits into two directions just outside of the substation. A recloser is being installed in the easterly direction in 2020. This recloser is to be installed in the westerly direction to protect the other half of the circuit. This recloser will limit the scale of outages on the circuit. It also will prevent the Concord Hospital from experiencing an outage from faults to the west of Langley Parkway.

Estimated Annual Savings:

Customer Minutes: 11,563
Customer Interruptions: 192

DRBC09 - Install Recloser on Dover Rd - 8X3

8X3 does not currently have a circuit backup to restore load for an outage outside of the substation. Adding sectionalizing points will limit the impact of outages beyond the new recloser.

Estimated Annual Savings:

Customer Minutes of Interruption: 50,025
Customer Interruptions: 602

DRBC10 - Fusesaver Installations

The identified areas experienced several patrolled, nothing found, animal, and broken limb-related outages. Fusesavers add one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings (total):

Customer Minutes of Interruption: 20,443
Customer Interruptions: 198

UES Capital Construction Authorization

AUTH: **210148**
Date: **2/18/2021**
Budgeted Amount: **\$460,939.00**

Budget Item No: DRBC37 Budget Year: 2021 Description: Install Fuse Saver - Elm Street, Penacook Project Supervisor: Balch, Stanley Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/18/2021 2:07:51 PM Initiated By: Balch, Stanley Finalized Date: 2/26/2021 1:10:37 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/18/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$19,900.00
2/18/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/24/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$19,900.00
2/25/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/26/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$4,975.00
			Salvage:	\$0.00
			CWO Total:	\$14,925.00

DESCRIPTION/SCOPE

Install a Fuse Saver on Pole 62, Elm Street, Penacook. Two sections of primary and neutral will need to be reconducted in order to support the Fuse Saver unit.

JUSTIFICATION

This area has experienced several patrolled, nothing found, animal, and broken limb-related outages. The Fuse Saver will add one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings:
 Customer Minutes of Interruption: 4,733
 Customer Interruptions: 57

NOTES

Intake# 42873

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211624	Install Fuse Saver - Elm Street, Penacook	\$14,925.00
Total		\$14,925.00

Printed: 2/6/2022 8:36:37 AM

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 3
Budget Category: DRBC00 Reliability Projects
Project Name: Reliability Projects
Submitted By: J.Goudreault

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	668
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	334
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	54193
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	102540
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	18419
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	0
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

DRBC06 - Install Recloser and Switches, Fisherville Rd - 4W4

This project is to install a new microprocessor based recloser and a switch at P.92 and P.89 Fisherville Rd, Concord (respectively).

DRBC08 - Install Recloser on Pleasant St - 6X3

Install a microprocessor-based recloser in the vicinity of Pole 83 on Pleasant St, Concord.

DRBC09 - Install Recloser on Dover Rd - 8X3

Install a microprocessor-based recloser in the vicinity of Pole 5 on Dover Rd, Epsom.

DRBC10 - Fusesaver Installations

This reliability budget project is to install fusesavers at 5 different locations.

- (1) @ Borough Rd, Canterbury
- (3) @ Rocky Point Dr, Bow
- (1) @ Elm St, Boscawen
- (1) @ Old Turnpike Rd, Salisbury
- (1) @ W. Portsmouth St, Concord

These fusesaver installations will require additional work apart from the fusesaver installation, e.g. pole and wire replacements, etc.

Justification

DRBC06 - Install Recloser and Switches, Fisherville Rd - 4W4

There have been several large outages in the past year. Installing a recloser sectionalizes the exposure of customers to outages downline of the new recloser. It provides immediate interrupting as well. The GOAB switch allows for ~1213 customers to be restored via 4W3, should an upline fault occur.

Estimated Annual Savings:

Customer Minutes: 108,069
Customer Interruptions: 1,452

DRBC08 - Install Recloser on Pleasant St - 6X3

6X3 splits into two directions just outside of the substation. A recloser is being installed in the easterly direction in 2020. This recloser is to be installed in the westerly direction to protect the other half of the circuit. This recloser will limit the scale of outages on the circuit. It also will prevent the Concord Hospital from experiencing an outage from faults to the west of Langley Parkway.

Estimated Annual Savings:
Customer Minutes: 11,563
Customer Interruptions: 192

DRBC09 - Install Recloser on Dover Rd - 8X3

8X3 does not currently have a circuit backup to restore load for an outage outside of the substation. Adding sectionalizing points will limit the impact of outages beyond the new recloser.

Estimated Annual Savings:
Customer Minutes of Interruption: 50,025
Customer Interruptions: 602

DRBC10 - Fusesaver Installations

The identified areas experienced several patrolled, nothing found, animal, and broken limb-related outages. Fusesavers add one layer of reclosing to a standard fuse. They operate based upon fuse TCC curves and therefore allow for reclosing in areas where it is challenging to coordinate reclosers. They also provide interruption histories, momentary or otherwise, real time current, and peak current loads.

Estimated annual savings (total):

Customer Minutes of Interruption: 20,443
Customer Interruptions: 198

USC Service Authorization	Authorization No: S-000268 Date: 2/17/2021 Budgeted Amount: \$200,000.00
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Classification: Budgeted Budget Item No: GSC15 Budget Year: 2021 Project Name: Web Ops Modernization Project Supervisor:	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/17/2021 4:28:11 PM Initiated By: Clark, Karen Finalized Date: 3/2/2021 8:23:48 AM Finalized By: Laffond, Courtney
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/18/2021	YES	Laffond, Courtney <i>Senior Plant Accountant</i>	Internal Labor:	\$200,000.00
2/26/2021	YES	Clark, Karen <i>IT Project Manager</i>	Purchases:	\$0.00
2/26/2021	YES	Eisfeller, Justin <i>VP, Information Technology</i>	Contract Services:	\$0.00
2/26/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Other Specific Charges:	\$0.00
3/1/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Retirement:	\$0.00
			Salvage:	\$0.00
			Total Project Amount:	\$200,000.00

DESCRIPTION/SCOPE

1st year of Modernization efforts for the Untill WebOps applications.

The first year of this multi year project is focused primarily on backend improvements to the WebOps system architecture with particular focus on modernizing the underlying data handling and database components.

Out of support server technologies will be replaced with current generation components, future proofing these critical business systems, providing much needed improvements in reliability and better align with our future tech plans.

JUSTIFICATION

Current system components are past end of life and becoming more and more difficult to maintain.

NOTES

AUTHORIZATION COMMENTS

UES 31% C-210150-20212520 \$62,000.00
 FGE 25% F-021065-20213323 \$50,000.00
 NU-NH 19% N-021052-00210019 \$38,000.00
 NU-ME 23% M-021047-00210018 \$46,000.00
 GSG 2% T-021006-00210006 \$4,000.00

Capital Budget 2021 Until Service Corp

Item Description

Classification: Budgeted
Year: 2021
Company: Until Service Corp
Status: [A] Accepted
Priority: 2
Budget Number: GSC15
Budget Category: Software/System
Item Name: Web Ops Modernization
Submitted By: Clark, Karen
IT Project Manager
Entered By: Clark, Karen on 12/26/2018 4:49:03 PM
IT Project Manager
Status Changed By: Haynes, Jeremy on 1/27/2021 11:16:25 AM
Director, Enterprise IT Systems

Estimates

Internal Labor (\$):	200000
Purchases (\$):	
Contract Services (\$):	
Other Specific Charges (\$):	
Retirement (\$):	
Salvage (\$):	

Description/Scope

1st year of Modernization efforts for the Until WebOps applications.

The first year of this multi year project is focused primarily on backend improvements to the WebOps system architecture with particular focus on modernizing the underlying data handling and database components.

Out of support server technologies will be replaced with current generation components, future proofing these critical business systems, providing much needed improvements in reliability and better align with our future tech plans.

Justification

Current system components are past end of life and becoming more and more difficult to maintain.

UES Capital
Construction Authorization

AUTH: 210152
Date: 2/22/2021
Budgeted Amount: \$78,378.00

Budget Item No: DEBC01 Budget Year: 2021 Description: Hooksett Turnpike Rd., Concord - Bridge Replacement Project Supervisor: Balch, Stanley Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/22/2021 2:18:53 PM Initiated By: Balch, Stanley Finalized Date: 2/26/2021 1:10:41 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/22/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$43,154.00
2/22/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/24/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$43,154.00
2/25/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/26/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$10,788.00
			Salvage:	\$0.00
			CWO Total:	\$32,366.00

DESCRIPTION/SCOPE

The primary and neutral need to be de-energized and removed to allow the cranes the ability to set the new bridge over Bela Brook on Hooksett Turnpike Road in Concord. Two poles will be set at the Hooksett Turnpike Road and Page Road intersection in Bow. A new primary and neutral will be installed on these poles that will allow Unitil to feed all customers on the South side of the bridge from Page Road. After the bridge construction is complete the primary and neutral over Bela Brook will be replaced. This will allow a back-up feed in the event of storm damage or other emergencies in the future.

JUSTIFICATION

Governmental Requirement. The City of Concord has requested Unitil's lines over Bela Brook be de-energized during the replacement of the bridge over Bela Brook.

NOTES

Intake# 37185

AUTHORIZATION COMMENTS

When authorization is approved please move charges from CWO# 20213018 to this auth.

CWO Summary

CWO	Description	Amount
20211626	Hooksett Turnpike Rd., Concord - Bridge Replacement	\$32,366.00
	Total	\$32,366.00

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Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	DEBC00 Highway Projects
Project Name:	Highway Projects
Submitted By:	C.Lloyd
Project Categorizations	
Government, Regulatory/Legal	
Project Estimates	
Labor Time to Install (Man Hours):	225
Labor Time for Removal (Man Hours):	26
Transportation Expenses (Heavy Truck Hours):	126
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	3831
Material UG Electric Construction (from Stockroom):	1521
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	12034
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	701
Salvage:	299
Description/Scope	
State, City or Town initiated highway project that causes the Company to relocate facilities.	
There are two bridge replacements and one small road project scheduled in the city of Concord in the year 2021.	
Justification	
Governmental Requirement	

**UES Capital
 Construction Authorization**

AUTH: 210152
Date: 6/2/2021
Budgeted Amount: \$78,378.00

Budget Item No: DEBC01 Budget Year: 2021 Description: Hooksett Turnpike Rd., Concord - Bridge Replacement Project Supervisor: Balch, Stanley Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 6/2/2021 2:46:57 PM Initiated By: Balch, Stanley Finalized Date: 6/9/2021 6:32:07 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/3/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$51,504.00
6/3/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
6/4/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$51,504.00
6/7/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
6/4/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$10,788.00
6/4/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
6/7/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$40,716.00
6/7/2021	YES	Hurstak, Daniel <i>Controller</i>		
6/8/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revision is to cover the additional cost not realized in the original authorization. After site meetings with the City of Concord and the project had initiated, changes were made to the design of the new guardrail. these changes required the poles to be set further back, to meet clearance guidelines from the State of NH DOT. These relocations will require and additional guying and additional conductor.

Original Authorization \$43,154.00
 Revision Amount \$ 8,350.00
 Total Project Cost \$51,504.00

The primary and neutral need to be de-energized and removed to allow the cranes the ability to set the new bridge over Bela Brook on Hooksett Turnpike Road in Concord. Two poles will be set at the Hooksett Turnpike Road and Page Road intersection in Bow. A new primary and neutral will be installed on these poles that will allow Unitil to feed all customers on the South side of the bridge from Page Road. After the bridge construction is complete the primary and neutral over Bela Brook will be replaced. This will allow a back-up feed in the event of storm damage or other emergencies in the future.

JUSTIFICATION

Governmental Requirement. The City of Concord has requested Unitil's lines over Bela Brook be de-energized during the replacement of the bridge over Bela Brook.

NOTES

Intake# 37185

AUTHORIZATION COMMENTS

When authorization is approved please move charges from CWO# 20213018 to this auth.

CWO Summary

CWO	Description	Amount
20211626	Hooksett Turnpike Rd., Concord - Bridge Replacement	\$40,716.00
	Total	\$40,716.00

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	DEBC00 Highway Projects
Project Name:	Highway Projects
Submitted By:	C.Lloyd
Project Categorizations	
Government, Regulatory/Legal	
Project Estimates	
Labor Time to Install (Man Hours):	225
Labor Time for Removal (Man Hours):	26
Transportation Expenses (Heavy Truck Hours):	126
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	3831
Material UG Electric Construction (from Stockroom):	1521
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	12034
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	701
Salvage:	299
Description/Scope	
State, City or Town initiated highway project that causes the Company to relocate facilities.	
There are two bridge replacements and one small road project scheduled in the city of Concord in the year 2021.	
Justification	
Governmental Requirement	

UES Capital Construction Authorization

AUTH: **210155**

Date: **3/1/2021**

Budgeted Amount: **\$0.00**

Budget Item No: **SPNC01**
 Budget Year: **2021**
 Description: **Replace 35kV Bus and 375J4 Insulators**
 Project Supervisor: **Goudreault, James**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **3/1/2021 11:26:50 AM**
 Initiated By: **Goudreault, James**
 Finalized Date: **3/17/2021 9:30:25 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/9/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$36,430.00
3/9/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
3/9/2021	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Net Authorized Cost:	\$36,430.00
3/9/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Retirement:	\$0.00
3/10/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Cost Of Removal:	\$0.00
3/10/2021	YES	Krell, Paul <i>Manager Energy Sys. Engineer.</i>	Salvage:	\$0.00
3/10/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	CWO Total:	\$36,430.00
3/16/2021	YES	Sprague, Kevin <i>VP, Engineering</i>		
3/16/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>		
3/16/2021	YES	Hurstak, Daniel <i>Controller</i>		
3/17/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This project covers the cost of replacing the insulators on the 374J4 switch, replacement of 35kV bus sections, installation of structural support members and re-tensioning of the 374 Line at Bow Jct Substation.

JUSTIFICATION

This project was originally scoped to include replacing of broken insulators on the 374J4 switch only and was to be funded by a blanket CWO. However, during the insulator replacement it was discovered that the tension on the 374 line at this switch had bent parts of the aluminum support structure and caused misalignment of the 35kV IPS bus. This required re-tensioning of the line, installation of additional structural support members and replacement of the 35kV IPS bus.

NOTES

Transfer all charges from CWO 20216009 to this authorization

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211627	Replace 35kV Bus and 374J4 Insulators	\$36,430.00
	Total	\$36,430.00

UES Capital Construction Authorization

AUTH: **210156**

Date: **3/26/2021**

Budgeted Amount: **\$78,378.00**

Budget Item No: **DEBC02**
 Budget Year: **2021**
 Description: **Birchdale Rd, Concord - Pole Relocations for Bridge Replacement**
 Project Supervisor: **Balch, Stanley**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **3/26/2021 2:32:46 PM**
 Initiated By: **Balch, Stanley**
 Finalized Date: **4/5/2021 3:14:19 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/30/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$72,744.00
3/31/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
3/31/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$72,744.00
3/31/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
4/5/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$18,186.00
4/5/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$54,558.00

DESCRIPTION/SCOPE

This authorization will cover the cost to relocate (5) poles along Birchdale Road in Concord. The poles will be relocated to the opposite side of the road and (6) sections of three phase primary and neutral (approximately 850') will be relocated to the new poles.

JUSTIFICATION

The City of Concord has requested this overhead line be relocated to accommodate the bridge replacement over Bela Brook. In order to comply with OSHA distance requirements for clearance, half of the bridge abutments will be set, then the line relocated. After the line is relocated, the other half of the abutments will be set.

NOTES

Intake# 40405

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211628	Birchdale Rd, Concord - Pole Relocations for Bridge Replacement	\$54,558.00
Total		\$54,558.00

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Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	DEBC00 Highway Projects
Project Name:	Highway Projects
Submitted By:	C.Lloyd
Project Categorizations	
Government, Regulatory/Legal	
Project Estimates	
Labor Time to Install (Man Hours):	225
Labor Time for Removal (Man Hours):	26
Transportation Expenses (Heavy Truck Hours):	126
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	3831
Material UG Electric Construction (from Stockroom):	1521
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	12034
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	701
Salvage:	299
Description/Scope	
State, City or Town initiated highway project that causes the Company to relocate facilities.	
There are two bridge replacements and one small road project scheduled in the city of Concord in the year 2021.	
Justification	
Governmental Requirement	

UES Capital Construction Authorization

AUTH: **210157**
 Date: **4/8/2021**
 Budgeted Amount: **\$28,404.49**

Budget Item No: DPBC08 Budget Year: 2021 Description: Perform Cable Injection on Cambridge Dr. Canterbury Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 4/8/2021 7:01:10 AM Initiated By: Lloyd, Charles Finalized Date: 4/22/2021 7:57:03 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
4/12/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$28,500.00
4/12/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
4/14/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$28,500.00
4/14/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
4/21/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$1,500.00
4/12/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
4/21/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$27,000.00
4/21/2021	YES	Hurstak, Daniel <i>Controller</i>		
4/22/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This authorization is to inject Approx 900' of single phase redial direct buried cable along Cambridge Dr. in Canterbury installed in the early 1970's, with a cable rejuvenating fluid to increase it's life by 25 to 40 years. A sector cabinet will also be installed to allow for switching under energized conditions.

JUSTIFICATION

The underground development of Cambridge Dr, Layton Dr, and Abby Dr, Canterbury has experienced three cable failures since 2016. Previous projects have proven that cable injections greatly improve the reliability and overall life of the cable.

NOTES

AUTHORIZATION COMMENTS

CWO Summary		
CWO	Description	Amount
20211630	Perform Cable Injection on Approx 900 feet of direct burried cable	\$27,000.00
	Total	\$27,000.00

UES Capital
 Construction Authorization

AUTH: 210157
Date: 9/28/2021
Budgeted Amount: \$28,404.49

Budget Item No: **DPBC08**
 Budget Year: **2021**
 Description: **Perform Cable Injection on Cambridge Dr. Canterbury**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **2**
 Status: **Completed**
 Initiated Date: **9/28/2021 2:00:25 PM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **10/1/2021 1:05:24 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
9/28/2021	YES	Lydon, Lisa <i>Sr Plant Accountant</i>	Total Project Cost:	\$43,030.00
9/28/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
9/29/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$43,030.00
9/30/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
9/29/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$1,500.00
10/1/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
10/1/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$41,530.00
10/1/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
10/1/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization is cover additional work not anticipated in the original scope, resulting in additional costs to the project. The original project was to inject Approx 900' of single phase redial direct buried cable along Cambridge Dr. in Canterbury installed in the early 1970's, with a cable rejuvenating fluid to increase it's life by 25 to 40 years. A sector cabinet will also be installed to allow for switching under energized conditions. The additional expenditures were due to having to excavate and clear a second splice between Pad 4 and 5, to be able to inject the cable. The additional excavation required hiring a local contractor to dig and to restore the nicely landscaped area to its original condition after the excavation. This also resulted in additional labor for the Novinium crew, performing the injection.

Original Auth Amount - \$28,500.00
 Revised Auth Amount - \$43,030.00
 Variance - (\$14,530.00)

JUSTIFICATION

The underground development of Cambridge Dr, Layton Dr, and Abby Dr, Canterbury has experienced three cable failures since 2016. Previous projects have proven that cable injections greatly improve the reliability and overall life of the cable.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211630	Perform Cable Injection on Approx 900 feet of direct burried cable	\$41,530.00
	Total	\$41,530.00

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 3
Budget Category: DPBC08 Distribution Projects
Project Name: Perform Cable Injection on Cambridge Dr. Canterbury
Submitted By: C.Lloyd

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	350
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	18500
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	

Description/Scope

This budget item is to inject Approx 900' of single phase radial direct buried cable along Cambridge Dr. in Canterbury installed in the early 1970's, with a cable rejuvenating fluid to increase it's life by 25 to 40 years.

Justification

The underground development of Cambridge Dr, Layton Dr, and Abby Dr, Canterbury has experienced three cable failures since 2016. Previous projects have proven that cable injections greatly improve the reliability and overall life of the cable.

UES Capital Construction Authorization

AUTH: 210158

Date: 4/8/2021

Budgeted Amount: \$75,228.70

Budget Item No: **DPBC06**
 Budget Year: **2021**
 Description: **Cable Injection - 129 Fisherville Rd, Concord**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **4/8/2021 7:38:42 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **4/21/2021 9:48:46 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
4/12/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$55,250.00
4/14/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
4/14/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$55,250.00
4/21/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
4/12/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$2,000.00
4/21/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$53,250.00

DESCRIPTION/SCOPE

This authorization for the cost to inject single phase, radial, and direct buried cable at Concord Commons, with a cable rejuvenating fluid. The original cable was installed in the 1980's. The rejuvenating fluid is expected to increase it's life by 25 to 40 years. Total expected injection distance is approximately 975 feet.

JUSTIFICATION

There is a single phase, radial run of 15kV, #2 Al direct buried cable for the Concord Commons apartment complex. This cable was installed in 1984. There have been 2 cable failures in the years 2016-2019 for a total of 19,291 customer minutes of interruption. Cable repair is costly and disruptive to customers and the landscape of the complex.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211631	Perform Cable injection on approx 975' direct buried URD cable	\$53,250.00
	Total	\$53,250.00

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	3
Budget Category:	DPBC06 Distribution Projects
Project Name:	Cable Injection - 129 Fisherville Rd, Concord
Submitted By:	T. Glueck/C. Lloyd
Project Categorizations	
Reliability, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	0
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	1066
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	48805
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
This budget item is to inject single phase, radial, and direct buried cable installed in the 1980's with a cable rejuvenating fluid to increase it's life by 25 to 40 years. Total expected injection distance is approximately 815 feet.	
Justification	
There is a single phase, radial run of 15kV, #2 Al direct buried cable for the Concord Commons apartment complex. This cable was installed in 1984. There have been 2 cable failures in the years 2016-2019 for a total of 19,291 customer minutes of interruption. Cable repair is costly and disruptive to customers and the landscape of the complex.	

UES Capital

Construction Authorization

AUTH: **210159**
 Date: **4/8/2021**
 Budgeted Amount: **\$169,738.24**

Budget Item No: **DPBC05**
 Budget Year: **2021**
 Description: **Perform Cable Injection Fairfield St. Concord**
 Project Supervisor: **Lloyd, Charles**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **4/8/2021 7:58:18 AM**
 Initiated By: **Lloyd, Charles**
 Finalized Date: **4/21/2021 9:48:45 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
4/12/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$143,500.00
4/14/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
4/14/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$143,500.00
4/21/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
4/12/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$4,500.00
4/21/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$139,000.00

DESCRIPTION/SCOPE

This authorization is to inject two of the three phase runs of single phase direct buried cables installed in the early 1970's, with a cable rejuvenating fluid to increase it's life by 25 to 40 years. This will be the second and final year of the project. We will inject phases B and C, which is approx. 6300 feet, to complete the Cable Rejuvenating project.

JUSTIFICATION

There are three Single phase radial runs of 15 kv, #2 Al direct buried Cables installed in 1975. There have been several cable failures in the past 5 years. Approx 1/3 of the cable runs are between streets and through back yards, making repairs difficult, costly and disruptive to customers and their property.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211632	Perform Cable injection on Phases B&C, approx 6300 ' URD cable	\$139,000.00
	Total	\$139,000.00

Capital Budget 2021 UES Capital

Project Description

Year: 2021
Company: UES Capital
Status: [A] Accepted
Priority: 3
Budget Category: DPBC05 Distribution Projects
Project Name: Perform Cable Injection Fairfield St. Concord
Submitted By: Lloyd

Project Categorizations

Reliability

Project Estimates

Labor Time to Install (Man Hours):	16
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	8
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	1215
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	109798
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	

Description/Scope

This budget item is to inject two of the three phase runs of single phase direct buried cables installed in the early 1970's, with a cable rejuvenating fluid to increase it's life by 25 to 40 years. This will be the second year of a multi year project. We will inject phases B and C, which is approx. 6300 feet to complete the Cable Rejuvenating project.

Justification

There are three Single phase radial runs of 15 kv, #2 Al direct buried Cables installed in 1975. There have been several cable failures in the past 5 years. Approx 1/3 of the cable runs are between streets and through back yards, making repairs difficult, costly and disruptive to customers and their property.

UES Capital Construction Authorization

AUTH: 210164

Date: 5/14/2021

Budgeted Amount: \$0.00

Budget Item No: EANC01
Budget Year: 2021
Description: Purchase Power Monitoring Equipment
Project Supervisor: Dusling, Jacob
Crew Days: 1
Start Date:
Completion Date:

Type: Original
Sequence: 1
Status: Completed
Initiated Date: 5/14/2021 10:02:07 AM
Initiated By: Dusling, Jacob
Finalized Date: 5/24/2021 1:22:12 PM
Finalized By: Lydon, Lisa

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
5/14/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$20,000.00
5/14/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
5/18/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$20,000.00
5/14/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
5/21/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
5/17/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
5/21/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$20,000.00
5/24/2021	YES	Hurstak, Daniel <i>Controller</i>		
5/24/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

Purchase two sets of power monitoring equipment that can be temporarily applied to primary conductor.

JUSTIFICATION

As part of the 2021 LCIPR settlement agreement with the NHPUC Unitil agreed to purchase power monitoring equipment (with real and reactive power measurements) that can be temporarily applied to distribution circuits and substations.

The units being considered will measure and record amps and power factor, which should meet the intent of the settlement agreement. A voltage constant is then applied in the software to calculate VARs.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212527	Purchase Power Monitoring Equipment	\$20,000.00
	Total	\$20,000.00

UES Capital
Construction Authorization

AUTH: 210166
Date: 5/26/2021
Budgeted Amount: \$29,709.00

Budget Item No: DABC01 Budget Year: 2021 Description: Single Phase OH Line Ext. 8 Knowlton Rd, Boscawen-Billable Project Supervisor: Raymond, Gary Crew Days: 1.5 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 5/26/2021 2:22:26 PM Initiated By: Otero, Heather Finalized Date: 6/7/2021 9:31:41 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/3/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$19,657.47
6/4/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$7,124.38
6/7/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$12,533.09
6/4/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
6/4/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$19,657.47

DESCRIPTION/SCOPE

This authorization is to install a single phase overhead line extension and installation of 2 poles to feed a new residential home in Boscawen.
 A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PLAN

C-20211636 Billable
 Total Customer Contribution \$7,124.38

C-20211637 Non-Billable \$12,533.09

Total Project Cost: \$19,657.47

NOTES

Intake 41471

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211636	Single Phase OH Line Ext. 8 Knowlton Rd, Boscawen-Billable	\$7,124.38
20211637	Single Phase OH Line Ext. 8 Knowlton Rd, Boscawen-Non Billable	\$12,533.09
	Total	\$19,657.47

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DABC00 Overhead Line Extensions
Project Name:	Overhead Line Extensions
Submitted By:	C.Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	210
Labor Time for Removal (Man Hours):	32
Transportation Expenses (Heavy Truck Hours):	121
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1032
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1453
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Overhead Line Extensions Initiated by Developers / Customers.	
Justification	
Provide Service to our customers. Estimate based on history with emphasis on last two years.	

UES Capital
Construction Authorization

AUTH: 210167

Date: 6/1/2021

Budgeted Amount: \$13,365.00

Budget Item No: DDBC01 Budget Year: 2021 Description: Battle St, Webster - Replace (2) Poles for TDS Additional Height Project Supervisor: Balch, Stanley Crew Days: 3 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 6/1/2021 2:14:16 PM Initiated By: Balch, Stanley Finalized Date: 6/4/2021 5:47:26 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/3/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$10,113.00
6/3/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
6/3/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$10,113.00
6/4/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
6/4/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$2,870.00
			Salvage:	\$0.00
			CWO Total:	\$7,243.00

DESCRIPTION/SCOPE

Replacing two poles at 1041 Battle Street, Webster. TDS Telecom has requested these replacements to gain clearance over the customers driveway and maintain the necessary clearance from UES lines. Delivery trucks were striking the telephone lines and TDS pulled their cable up to 13'8", but they are up against our neutral.

JUSTIFICATION

This work is necessary to comply with our Intercompany Operating Procedures / Agreement with TDS Telecom.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211638	Battle St, Webster - Replace (2) Poles for TDS Additional Height	\$7,243.00
	Total	\$7,243.00

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	DDBC00 Telephone Company Requests
Project Name:	Telephone Company Requests
Submitted By:	C. Lloyd
Project Categorizations	
	IOP/Agreement
Project Estimates	
Labor Time to Install (Man Hours):	30
Labor Time for Removal (Man Hours):	10
Transportation Expenses (Heavy Truck Hours):	20
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1349
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1407
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	
Description/Scope	
Telephone Company initiated projects.	
Justification	
Intercompany Operating Procedures / Agreement	

UES Capital Construction Authorization

AUTH: **210168**

Date: **6/7/2021**

Budgeted Amount: **\$203,057.00**

Budget Item No: DBBC05 Budget Year: 2021 Description: Three Phase OH/URD Line Ext 95 Village St, Penacook Billable Project Supervisor: Raymond, Gary Crew Days: 13.7 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 6/7/2021 1:31:33 PM Initiated By: Otero, Heather Finalized Date: 6/11/2021 1:36:19 PM Finalized By: Lydon, Lisa
--	---

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/10/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$106,232.66
6/11/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$35,655.40
6/11/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$70,577.26
6/11/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
6/11/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
6/11/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$106,232.66

DESCRIPTION/SCOPE

This authorization is for the installation of a three phase overhead line extension to a three phase underground line extension to a sectional cabinet to feed four single phase padmount transformers. This will bring service to a new housing subdivision on Village St in Penacook.

The customer will pay the reduced estimated cost of this line extension and transformers, in accordance with the Economic Development Program.

A Final accounting will be made after the work has been completed. The customer will be credited, or billed for the difference in the estimated and actual cost

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM
 Justification: SUMMARY:Excluding Transformers:

C-20211639 Billable \$54,359.26
 Less: Customer Contribution \$37,583.40

Total Overhead Line Allowance: \$16,775.86
 Number of Credits: 4
 Amount of each Credit: \$4,193.97

C-20211640 Non Billable \$21,012.69

Net Authorized Amount \$70,577.27

Summary
 Customer Contribution \$35,655.40
 Overhead Line Allowance \$16,775.86
 Construction Overheads \$32,788.71
 Non Billable Work \$21,012.69

Total Project Cost \$106,232.66

NOTES

Intake 41085

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211639	Three Phase OH/URD Line Ext 95 Village St, Penacook Billable	\$85,219.97
20211640	Three Phase OH/URD Line Ext 95 Village St, Penacook Non Billable	\$21,012.69
Total		\$106,232.66

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Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	1600
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	800
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	842
Material UG Electric Construction (from Stockroom):	18000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3771
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide safe and reliable service to our customers.	

UES Capital Construction Authorization

Date: **6/14/2021**
Budgeted Amount: **\$203,057.00**

Budget Item No: **DBBC06**
Budget Year: **2021**
Description: **Three Phase URD Primary to a Padmount Transformer 578 B River Rd, Bow -Billable**
Project Supervisor: **Raymond, Gary**
Crew Days: **4.9**
Start Date:
Completion Date:

Type: **Original**
Sequence: **1**
Status: **Completed**
Initiated Date: **6/14/2021 2:08:07 PM**
Initiated By: **Otero, Heather**
Finalized Date: **6/29/2021 2:03:17 PM**
Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/16/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$39,716.98
6/16/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$11,731.75
6/16/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$27,985.23
6/28/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
6/23/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$39,716.98

DESCRIPTION/SCOPE

This authorization is to install 450' of three phase underground primary wire to a padmount transformer and install a mid-span pole to feed a new commercial storage garage located on River Rd in Bow.

The customer will pay in advance the reduced estimated cost of this line extension in accordance with the Economic Development Program and will receive an overhead credit as outlined below.

A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM
Justification: SUMMARY:Excluding Transformers:

C-20211641 Underground Billable \$15,442.35
Less: Customer Contribution \$11,731.75

Total Overhead Line Allowance: \$3,710.60
Number of Credits: 1
Amount of each Credit: \$3,710.60

C-20211642 Underground Non Billable \$14,617.52

Net Authorized Amount \$27,985.23

Summary
Customer Contribution \$11,731.75
Overhead Line Allowance \$3,710.60
Construction Overheads \$9,657.12
Non Billable Work \$14,617.52

Total Project Cost \$39,716.98

NOTES

Intake 41712

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211641	Three Phase URD Primary to a Padmount Transformer 578 B River Rd, Bow -Billable	\$25,099.46
20211642	Three Phase URD Primary to a Padmount Transformer 578 B River Rd, Bow -Non Billable	\$14,617.52
Total		\$39,716.98

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Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	1600
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	800
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	842
Material UG Electric Construction (from Stockroom):	18000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3771
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide safe and reliable service to our customers.	

UES Capital Construction Authorization

AUTH: 210172

Date: 7/6/2021

Budgeted Amount: \$203,057.00

Budget Item No: DBBC09 Budget Year: 2021 Description: Three Phase URD Line Extension Whitney Rd, Concord Project Supervisor: Lloyd, Charles Crew Days: 54.8 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 7/6/2021 10:57:03 AM Initiated By: Otero, Heather Finalized Date: 7/14/2021 7:32:35 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/6/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$176,386.05
7/6/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
7/6/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$176,386.05
7/13/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
7/13/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
7/13/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$176,386.05

DESCRIPTION/SCOPE

This authorization is to install a new three phase primary underground line extension to service the underground infrastructure to the new shopping complex off Exit 17 on Whitney Rd in Concord.

JUSTIFICATION

A Rate-of-Return calculation has been performed by Business Development and this additional load meets the requirement for there to be no customer contribution. The customer has signed a Performance Agreement whereas any combination of time, usage and demand such that the funds invested by the Company for this project are fully recovered, on a simple payback basis, in no more than 5 years. A copy of this agreement is attached to this authorization.

NOTES

Intake 39293

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211646	Three Phase URD Line Extension Whitney Rd, Concord	\$176,386.05
Total		\$176,386.05

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Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	1600
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	800
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	842
Material UG Electric Construction (from Stockroom):	18000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3771
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide safe and reliable service to our customers.	

UES Capital Construction Authorization

AUTH: **210173**

Page 1 of 476

Date: **7/6/2021**

Budgeted Amount: **\$29,709.00**

Budget Item No: DABC02 Budget Year: 2021 Description: Three Phase OH Line Ext 2137 Dover Rd, Epsom-Billable Project Supervisor: Raymond, Gary Crew Days: 1.9 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 7/6/2021 2:06:07 PM Initiated By: Otero, Heather Finalized Date: 7/14/2021 7:33:37 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/6/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$18,200.84
7/6/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
7/6/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$18,200.84
7/13/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
7/13/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$18,200.84

DESCRIPTION/SCOPE

This project is to install a new three phase overhead line extension one span to feed a new paintball facility in Epsom.

A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and the actual cost.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PLAN

C-20211647 Billable
Total Customer Contribution \$8,750.57

C-20211648 Non-Billable \$9,450.27

Total Project Cost: \$18,200.84

NOTES

Intake 42582

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211647	Three Phase OH Line Ext 2137 Dover Rd, Epsom-Billable	\$8,750.57
20211648	Three Phase OH Line Ext 2137 Dover Rd, Epsom-Non Billable	\$9,450.27
Total		\$18,200.84

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Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DABC00 Overhead Line Extensions
Project Name:	Overhead Line Extensions
Submitted By:	C.Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	210
Labor Time for Removal (Man Hours):	32
Transportation Expenses (Heavy Truck Hours):	121
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1032
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1453
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Overhead Line Extensions Initiated by Developers / Customers.	
Justification	
Provide Service to our customers. Estimate based on history with emphasis on last two years.	

UES Capital Construction Authorization

AUTH: 210176

Date: 7/14/2021

Budgeted Amount: \$203,057.00

Budget Item No: DBBC10 Budget Year: 2021 Description: 76/78 Garvin Hill Rd., Chcihester - Single Phase UG Line Ext Project Supervisor: Balch, Stanley Crew Days: 3 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 7/14/2021 7:23:30 AM Initiated By: Balch, Stanley Finalized Date: 7/27/2021 12:33:50 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/14/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$22,358.00
7/19/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$22,358.00
7/15/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$0.00
7/27/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
7/22/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$22,358.00

DESCRIPTION/SCOPE

This authorization is to cover the cost to build an 800' primary underground line extension to serve a distributed generation solar array. The customer will be responsible for the entire cost of this project.

A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PROGRAM

C-20211650 Underground Line Ext on Private Property Billable \$22,358.00

Total Company Cost \$0.00

Total Project Cost \$22,358.00

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211650	76/78 Garvin Hill Rd., Chcihester - Single Phase UG Line Ext	\$22,358.00
	Total	\$22,358.00

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Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	1600
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	800
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	842
Material UG Electric Construction (from Stockroom):	18000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3771
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide safe and reliable service to our customers.	

UES Capital Construction Authorization

Date: **7/28/2021**
Budgeted Amount: **\$0.00**

Budget Item No: DPNC01 Budget Year: 2021 Description: Replace p# 3/111, Install new Conduit and URD Primary cable Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 7/28/2021 8:42:34 AM Initiated By: Lydon, Lisa Finalized Date: 8/13/2021 10:47:39 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/28/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$51,431.51
7/28/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
7/28/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$51,431.51
7/29/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
8/5/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$7,714.73
7/28/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
8/10/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$43,716.78
8/12/2021	YES	Hurstak, Daniel <i>Controller</i>		
8/13/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This non-budget authorization is to cover the cost of replacing the failing direct buried primary URD cable at residential home at 261 Bear Hill Rd Chichester.
 Replace p# 3/111, Install approx 400 feet of 4"conduit and primary URD cable from riser to padmount transformer. Abandon in place direct buried cable from pole 3/112 to padmount trans.
 This will also include the cost to perform the repair in June 2021.

JUSTIFICATION

There have been 3 cable faults since 2019, the latest being in June 2021. The original direct buried cable was install in 1983 and has become unreliable. unscheduled repairs due to failures are costly for the company and disrupting for the customer.

NOTES

AUTHORIZATION COMMENTS

Move all charges from CWO# 20216106 to this authorization

CWO Summary

CWO	Description	Amount
20211651	Replace p# 3/111, Install new Conduit and URD Primary cable	\$43,716.78
	Total	\$43,716.78

UES Capital Construction Authorization

AUTH: **210178**

Page 476

Date: **7/26/2021**

Budgeted Amount: **\$29,709.00**

Budget Item No: DABC04 Budget Year: 2021 Description: Single Phase OH Line Ext 98 District 5 Rd, Concord - Billable Project Supervisor: Raymond, Gary Crew Days: 3.5 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 7/26/2021 2:22:19 PM Initiated By: Otero, Heather Finalized Date: 8/5/2021 12:32:58 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/27/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$26,867.32
7/28/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$12,309.61
7/29/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$14,557.71
8/5/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
7/28/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$26,867.32

DESCRIPTION/SCOPE

This authorization is to cover the cost to install a new single phase overhead line extension along with two poles to serve a new single family residence in Concord.

The customer will pay the cost for one pole and the company will be responsible for the second pole.

A final accounting will be made after the work has been completed. The customer will be credited or billed for the difference between the estimate and the actual cost.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PLAN

C-20211652 Billable
Total Customer Contribution \$12,309.61

C-20211653 Non-Billable \$14,557.71

Total Project Cost: \$26,867.32

NOTES

Intake 42288

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211652	Single Phase OH Line Ext 98 District 5 Rd, Concord -Billable	\$12,309.61
20211653	Single Phase OH Line Ext 98 District 5 Rd, Concord -Non Billable	\$14,557.71
	Total	\$26,867.32

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Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DABC00 Overhead Line Extensions
Project Name:	Overhead Line Extensions
Submitted By:	C.Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	210
Labor Time for Removal (Man Hours):	32
Transportation Expenses (Heavy Truck Hours):	121
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1032
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1453
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Overhead Line Extensions Initiated by Developers / Customers.	
Justification	
Provide Service to our customers. Estimate based on history with emphasis on last two years.	

UES Capital Construction Authorization

AUTH: **210181**

Date: **8/9/2021**

Budgeted Amount: **\$29,709.00**

Budget Item No: DABC05 Budget Year: 2021 Description: Three Phase OH Line Ext 231 South Main St, Concord-Billable Project Supervisor: Raymond, Gary Crew Days: 3.4 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 8/9/2021 1:42:27 PM Initiated By: Otero, Heather Finalized Date: 8/20/2021 10:40:16 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/13/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$17,582.02
8/16/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$8,481.88
8/16/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$9,100.14
8/19/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
8/16/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$17,582.02

DESCRIPTION/SCOPE

This authorization is to install a three phase overhead line extension and installation of 1 pole to feed a new brewery on South Main St in Concord.

The customer will pay the reduced estimated cost of this line extension and transformers, in accordance with the Economic Development Program.

A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM
 Justification: SUMMARY: Excluding Transformers

C-20211657 Billable

Total Customer Contribution \$8,481.88

Construction Overheads \$4,210.03

C-20211658 Non-Billable \$4,890.11

Total Project Cost: \$17,582.02

NOTES

Intake 42709

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211657	Three Phase OH Line Ext 231 South Main St, Concord-Billable	\$12,691.91
20211658	Three Phase OH Line Ext 231 South Main St, Concord-Non Billable	\$4,890.11
Total		\$17,582.02

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Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DABC00 Overhead Line Extensions
Project Name:	Overhead Line Extensions
Submitted By:	C.Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	210
Labor Time for Removal (Man Hours):	32
Transportation Expenses (Heavy Truck Hours):	121
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1032
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1453
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Overhead Line Extensions Initiated by Developers / Customers.	
Justification	
Provide Service to our customers. Estimate based on history with emphasis on last two years.	

UES Capital Construction Authorization

AUTH: **210183**

Page 4 of 6

Date: **9/1/2021**

Budgeted Amount: **\$0.00**

Budget Item No: DPNC02 Budget Year: 2021 Description: Snow Event Dec 5th and Dec 6th 2020 Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 9/1/2021 9:31:45 AM Initiated By: Lloyd, Charles Finalized Date: 9/21/2021 4:56:27 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
9/1/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$142,000.00
9/1/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
9/1/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Net Authorized Cost:	\$142,000.00
9/13/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$3,500.00
9/14/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$28,400.00
9/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
9/14/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$113,600.00
9/21/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
9/21/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This non-budget authorization covers the capital expenditure portion of the costs associated with restoration and response efforts during the snow storm of Dec 5th, and Dec 6th, 2020. This was an EEI. 3, high confidence weather projection with 6" of heavy wet snow and up to 50 mph wind gusts. The actual snow accumulation was 10" heavy wet snow. The total number of customers that were without electric service was approximately 7,827 with a total of 92 outages experienced. The total customer minutes of interruption was 1,927,455.

JUSTIFICATION

This wind storm caused significant damage to the electric facilities within the Capital service territory whereby many trees and tree limbs fell onto conductors requiring the need to engage emergency operational activities (including several line contractor crews) to adequately respond to customers and the public.

NOTES

Transfer charges to CWO# 20206196 to this auth once approved

AUTHORIZATION COMMENTS

This auth also covers extensive environmental clean up due to transformer oil spill and structural damage to one of the buildings at Goose Bay Lumber.

CWO Summary

CWO	Description	Amount
20211661	Snow Event Dec 5th and Dec 6th 2020	\$113,600.00
	Total	\$113,600.00

UES Capital Construction Authorization

AUTH: **210184**

Date: **9/2/2021**

Budgeted Amount: **\$29,709.00**

Budget Item No: DABC07 Budget Year: 2021 Description: Single Phase OH Line Ext Short Falls Rd, Chichester - Billable Project Supervisor: Raymond, Gary Crew Days: 7 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 9/2/2021 2:31:16 PM Initiated By: Otero, Heather Finalized Date: 9/14/2021 5:39:08 PM Finalized By: Lydon, Lisa
---	---

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
9/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$37,532.47
9/13/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$26,317.23
9/13/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$11,215.24
9/14/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
9/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$37,532.47

DESCRIPTION/SCOPE

This authorization is to cover the cost to install a new single phase overhead line extension along with four poles to serve a new single family residence in Chichester.

The customer will pay the cost for three poles and the company will be responsible for one pole.

A final accounting will be made after the work has been completed. The customer will be credited or billed for the difference between the estimate and the actual cost.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PLAN

C-20211662 Billable
Total Customer Contribution \$26,317.23

C-20211663 Non-Billable \$11,215.24

Total Project Cost: \$37,532.47

NOTES

Intake 43297

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211662	Single Phase OH Line Ext Short Falls Rd, Chichester -Billable	\$26,317.23
20211663	Single Phase OH Line Ext Short Falls Rd, Chichester -Non Billable	\$11,215.24
Total		\$37,532.47

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Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DABC00 Overhead Line Extensions
Project Name:	Overhead Line Extensions
Submitted By:	C.Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	210
Labor Time for Removal (Man Hours):	32
Transportation Expenses (Heavy Truck Hours):	121
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1032
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1453
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Overhead Line Extensions Initiated by Developers / Customers.	
Justification	
Provide Service to our customers. Estimate based on history with emphasis on last two years.	

UES Capital

Construction Authorization

AUTH: **210185**

Page 476

Date: **9/14/2021**Budgeted Amount: **\$29,709.00**

Budget Item No: DABC08 Budget Year: 2021 Description: Single Phase OH Line Extension 58 Knowlton Rd, Boscawen-Billable Project Supervisor: Balch, Stanley Crew Days: 2.4 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 9/14/2021 2:11:26 PM Initiated By: Otero, Heather Finalized Date: 9/24/2021 1:12:16 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
9/15/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$17,752.10
9/16/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$9,888.63
9/21/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$7,863.47
9/23/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
9/17/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$17,752.10

DESCRIPTION/SCOPE

This authorization is to cover the cost to install a new single phase primary overhead line extension along with three poles to serve a new single family residence in Boscawen.

The customer will pay the cost for two poles and the company will be responsible for one pole.

A final accounting will be made after the work has been completed. The customer will be credited or billed for the difference between the estimate and the actual cost.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PLAN

C-20211664 Billable \$9,888.63

C-20211665 Non-Billable \$7,863.47

Total Project Cost: \$17,752.10

NOTES

Intake 43444

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211664	Single Phase OH Line Extension 58 Knowlton Rd, Boscawen-Billable	\$9,888.63
20211665	Single Phase OH Line Extension 58 Knowlton Rd, Boscawen-Non Billable	\$7,863.47
	Total	\$17,752.10

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Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DABC00 Overhead Line Extensions
Project Name:	Overhead Line Extensions
Submitted By:	C.Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	210
Labor Time for Removal (Man Hours):	32
Transportation Expenses (Heavy Truck Hours):	121
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	1032
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1453
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Overhead Line Extensions Initiated by Developers / Customers.	
Justification	
Provide Service to our customers. Estimate based on history with emphasis on last two years.	

UES Capital Construction Authorization

AUTH: **210198**

Date: **10/18/2021**

Budgeted Amount: **\$160,498.97**

Budget Item No: DPBC10 Budget Year: 2021 Description: Replace 33 Line Structure Project Supervisor: Lloyd, Charles Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 10/18/2021 3:51:24 PM Initiated By: Lloyd, Charles Finalized Date: 10/25/2021 1:04:29 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
10/19/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$48,350.00
10/19/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
10/19/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$48,350.00
10/22/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
10/22/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$9,670.00
			Salvage:	\$0.00
			CWO Total:	\$38,680.00

DESCRIPTION/SCOPE

Replacing structure #80 on the 33 sub transmission line. This structure is a (2) pole wood structure. It will be replaced with a single wood pole and fiberglass cross arms and will add a mid span pole # 79X.

JUSTIFICATION

This structure was condemned under the transmission pole inspections field survey.

NOTES

AUTHORIZATION COMMENTS

Project was re-designed to add a mid span pole to eliminate the H structure and replace it with a single wood pole. This design eliminated the concern for phase galloping.

CWO Summary

CWO	Description	Amount
20211684	Replace H Structure at P# 80 with single pole and add a mid span pole	\$38,680.00
	Total	\$38,680.00

Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	2
Budget Category:	DPBC10 Distribution Projects
Project Name:	Replace 33 Line Structure
Submitted By:	T. Glueck/C. Lloyd
Project Categorizations	
Safety, Reliability, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	16
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	8
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	20000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	18500
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	48000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	
Description/Scope	
Replacing structure #80 on the 33 sub transmission line. This structure is a (2) pole wood structure. It will be replaced with a 2 steel poles and Fiberglass cross arms.	
Justification	
This structure was condemned under the transmission pole inspections field survey.	

UES Capital Construction Authorization

AUTH: **210205**

Date: **12/8/2021**

Budgeted Amount: **\$203,057.00**

Budget Item No: DBBC51 Budget Year: 2021 Description: Install New Splice Pedestal 21 John Hardy Way, Chichester Project Supervisor: Raymond, Gary Crew Days: 0.6 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 12/8/2021 2:46:55 PM Initiated By: Otero, Heather Finalized Date: 12/11/2021 10:05:09 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
12/8/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$2,506.95
12/9/2021	YES	Lloyd, Charles <i>Manager Electric Operations</i>	Less Customer Contribution:	\$2,506.95
12/10/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$0.00
12/9/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
12/10/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$2,506.95

DESCRIPTION/SCOPE

This authorization is to install a new splice pedestal on a secondary underground line extension to accommodate the relocation of 21 John Hardy Way in Chichester.

JUSTIFICATION

NOT UNDER ECONOMIC DEVELOPMENT PLAN

C-20211691 Billable
 Total Customer Contribution \$2,506.95

Total Project Cost: \$2,506.95

NOTES

Intake 44252

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211691	Install New Splice Pedestal 21 John Hardy Way, Chichester	\$2,506.95
Total		\$2,506.95

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Capital Budget 2021 UES Capital	
Project Description	
Year:	2021
Company:	UES Capital
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBC00 Underground Line Extensions
Project Name:	Underground Line Extensions
Submitted By:	C. Lloyd
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	1600
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	800
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	842
Material UG Electric Construction (from Stockroom):	18000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3771
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	
Salvage:	
Description/Scope	
Underground Line Extensions Initiated by Developers / Customers. Over \$20,000	
Justification	
Provide safe and reliable service to our customers.	

**UES Seacoast
Construction Authorization**

AUTH: **211000**

Date: **1/29/2021**

Budgeted Amount: **\$1,606,710.76**

Budget Item No: **BABE21**
 Budget Year: **2021**
 Description: **T&D Improvements**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **1/29/2021 12:55:24 PM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/12/2021 11:19:07 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$736,409.00
2/8/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$29,456.00
2/8/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$706,953.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$3,891.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$141,391.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$503.00
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$595,521.00
2/12/2021	YES	Hurstak, Daniel <i>Controller</i>		
2/12/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This authorization covers the costs associated with minor additions and improvements (under \$30,000) to the sub-transmission, distribution and substation systems where such improvements cannot be reasonably identified and budgeted as a specific project. The majority of this work is driven from our inspection programs and routine improvements to the system as a result of customer complaints or other findings.

The total amount of this authorization covers the costs projected for the first six (6) months of 2021 which was derived from reviewing historical expenditures for the first six (6) months as follows:

Year First 6 months % of Total Expenditure

2015 \$607,500 39%
 2016 \$711,100 46%
 2017 \$648,800 35%
 2018 \$645,500 40%
 2019 \$636,300 46%
 2020 \$766,700 58%

Total Budgeted Amount \$1,606,711
 Authorization Amount \$706,953 (44% of total budget).
 Balance \$899,758

JUSTIFICATION

Replacement of defective equipment on a scheduled basis, intercompany replacements and changeovers.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast Construction Authorization

AUTH: 211000

Date: 6/15/2021

Budgeted Amount: \$1,606,710.76

Budget Item No: BABE21 Budget Year: 2021 Description: T&D Improvements Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 6/15/2021 7:26:23 AM Initiated By: Wade, Scott Finalized Date: 7/8/2021 10:22:13 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/6/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,666,710.00
7/6/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$60,000.00
7/6/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,606,710.00
7/6/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$9,000.00
7/6/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$320,000.00
7/6/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$2,000.00
7/7/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$1,348,710.00
7/7/2021	YES	Hurstak, Daniel <i>Controller</i>		
7/8/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with minor additions and improvements (under \$30,000) to the sub-transmission, distribution and substation systems where such improvements cannot be reasonably identified and budgeted as a specific project. The majority of this work is driven from our inspection programs and routine improvements to the system as a result of customer complaints or other findings.

The total year projection was derived from reviewing year to date expenditures (first six months), historical spending and reviewing the outlook for the remainder of the year.

Initial Authorization for first six months \$706,456
 YTD (through June) Actual Expenditures \$615,700
 Total Budgeted Amount \$1,606,710
 Revised Authorization Amount \$1,606,710
 Variance = \$0

JUSTIFICATION

Replacement of defective equipment on a scheduled basis, intercompany replacements and changeovers.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BABE21 T&D Improvements
Project Name:	T&D Improvements
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven, Voltage, Repair/Replacement, Other	
Project Estimates	
Labor Time to Install (Man Hours):	2700
Labor Time for Removal (Man Hours):	500
Transportation Expenses (Heavy Truck Hours):	1600
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	115000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	500
Contract Services:	445000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	4
EDP? (Yes or No):	No
Retirement:	8843
Salvage:	1144
Description/Scope	
This budget item is to cover the costs associated with minor additions and improvements to the T & D system where such improvements cannot be reasonably identified and budgeted as a specific project. The majority of this work stems from our own inspection programs, and routine improvements to the system as a result of customer complaints or other findings more specifically EWR's.	
Justification	
Replacement of defective equipment on a scheduled basis, intercompany replacements and changeovers.	

UES Seacoast Construction Authorization

AUTH: **211001**

Date: **1/29/2021**

Budgeted Amount: **\$494,236.18**

Budget Item No: **BBBE21**
 Budget Year: **2021**
 Description: **New Customer Additions**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **1/29/2021 9:35:52 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/9/2021 2:08:41 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/3/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$242,517.34
2/3/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$25,053.00
2/3/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$217,464.34
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$2,000.00
2/3/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$45,793.34
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$200.00
			Blanket Authorization Total:	\$196,924.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with construction necessary to service new customers which would not be covered under other line extension categories (under \$30k and no customer contributions). Examples are services and one pole line extensions and associated work with the same.

The total amount of this authorization covers the costs projected for the first six (6) months of 2021 which was derived from reviewing historical expenditures as follows:

Year. First Six Months % of actual total

- 2015 \$183,200 39%
- 2016 \$263,500 55%
- 2017 \$197,600 39%
- 2018 \$238,300 45%
- 2019 \$186,400 44%
- 2020 \$292,200 39%

Total Budgeted Amount \$494,236
 Authorization Amount \$217,464 (44% of total)
 Balance \$276,772

JUSTIFICATION

Customer Driven

NOTES

AUTHORIZATION COMMENTS

UES Seacoast Construction Authorization

AUTH: **211001**

Date: **6/16/2021**

Budgeted Amount: **\$494,236.18**

Budget Item No: BBBE21 Budget Year: 2021 Description: New Customer Additions Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 6/16/2021 8:20:06 AM Initiated By: Wade, Scott Finalized Date: 7/8/2021 10:22:12 AM Finalized By: Lydon, Lisa
---	---

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/6/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$735,600.00
7/6/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$40,000.00
7/6/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$695,600.00
7/6/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$6,000.00
7/6/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$50,000.00
7/6/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$500.00
7/7/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$686,100.00
7/7/2021	YES	Hurstak, Daniel <i>Controller</i>		
7/8/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with construction necessary to service new customers which would not be covered under other line extension categories (under \$30k and no customer contributions). Examples are services and one pole line extensions and associated work with the same.

Initial Authorization for first six months \$217,464
 YTD (through June) Actual Expenditures \$390,600
 Total Budgeted Amount \$494,236
 Revised Authorization Amount \$695,600
 Variance +\$201,364

Note: In 2021 we have experienced an unusual (higher) number of single pole line extensions and associated main line work compared to recent prior years resulting in the increase of costs for this blanket category. Additionally, the current final projected amount for 2021 of \$695,600 is in close proximity to the final actual expenditures in 2020 which was \$744,300.

JUSTIFICATION

Customer Driven

NOTES

AUTHORIZATION COMMENTS

UES Seacoast			AUTH: 211001
Construction Authorization			Date: 1/11/2022
			Budgeted Amount: \$494,236.18
Budget Item No: BBBE21 Budget Year: 2021 Description: New Customer Additions Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>		Type: Revision Sequence: 3 Status: Completed Initiated Date: 1/11/2022 10:53:43 AM Initiated By: Wade, Scott Finalized Date: 1/25/2022 7:30:03 AM Finalized By: Lydon, Lisa	
APPROVALS			ESTIMATED COST SUMMARY
Action Date	Approved	Approver/Title	Description
			Amount
1/11/2022	YES	Lydon, Lisa <i>Sr Plant Accountant</i>	Total Project Cost: \$1,009,000.00
1/12/2022	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution: \$60,000.00
1/12/2022	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost: \$949,000.00
1/21/2022	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement: \$9,000.00
1/12/2022	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal: \$70,000.00
1/13/2022	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage: \$1,000.00
1/21/2022	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total: \$940,000.00
1/24/2022	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>	
1/24/2022	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>	
DESCRIPTION/SCOPE			
This revised authorization covers the costs associated with construction necessary to service new customers which would not be covered under other line extension categories (under \$30k and no customer contributions). Examples are services and one pole line extensions and associated work with the same. Initial Authorization for first six months \$217,464 Full Year 2021 Actual Expenditures \$886,764 Revised Authorization #2 Amount \$695,600 Total Budgeted Amount \$494,236 Revised Authorization #3 Amount \$949,000 (this takes into account the 2022 carryover expenditures) Variance +\$454,764 (revised #3 authorization vs. budgeted) In 2021 we have experienced an unusual (higher) number of single pole line extensions and associated main line work compared to recent prior years resulting in the increase of costs for this blanket category.			
JUSTIFICATION			
Customer Driven			
NOTES			
AUTHORIZATION COMMENTS			

Capital Budget 2021 UES Seacoast

Project Description

Year: 2021
Company: UES Seacoast
Status: [A] Accepted
Priority: 1
Budget Category: BBBE21 New Customer Additions
Project Name: New Customer Additions
Submitted By: Scott D. Wade

Project Categorizations

Customer Driven

Project Estimates

Labor Time to Install (Man Hours):	1300
Labor Time for Removal (Man Hours):	300
Transportation Expenses (Heavy Truck Hours):	800
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	25000
Material UG Electric Construction (from Stockroom):	40000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	67000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	10
EDP? (Yes or No):	No
Retirement:	5722
Salvage:	541

Description/Scope

This budget item covers the costs associated with construction necessary to service new customers which would not be covered under other line extension categories (under \$30k and no customer contributions). Examples are services and one pole line extensions and associated work with the same.

Justification

Customer Driven

UES Seacoast Construction Authorization

AUTH: **211002**

Date: **1/29/2021**

Budgeted Amount: **\$149,557.94**

Budget Item No: BCBE21 Budget Year: 2021 Description: Outdoor Lighting Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 1/29/2021 9:54:48 AM Initiated By: Page, Laurie Finalized Date: 2/9/2021 2:08:50 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$74,114.45
2/7/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$831.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$73,283.45
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$1,200.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$15,264.45
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$150.00
			Blanket Authorization Total:	\$59,000.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with the installation and replacement of light fixtures for either new customers (installation) or existing customers (replacement of failed units).

The total amount of this authorization covers the costs projected for the first six (6) months of 2021 which was derived from reviewing historical expenditures as follows:

Year First 6 months % of Full Year Actual

2015 \$ 60,000 44%
 2016 \$117,900 43%
 2017 \$110,700 54%
 2018 \$75,500 48%
 2019 \$67,200 47%
 2020 \$62,700 55%

Total Budgeted Amount \$149,558
 Authorization Amount \$73,283 (49% of total)
 Balance \$76,275

JUSTIFICATION

Customer driven and obligation to maintain/replace existing lights.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast Construction Authorization

AUTH: **241002**

Date: **6/16/2021**

Budgeted Amount: **\$149,557.94**

Budget Item No: BCBE21 Budget Year: 2021 Description: Outdoor Lighting Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 6/16/2021 8:31:12 AM Initiated By: Wade, Scott Finalized Date: 7/8/2021 10:22:11 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/2/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$139,400.00
7/2/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$1,600.00
7/2/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$137,800.00
7/6/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$2,550.00
7/6/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$15,270.00
7/6/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$300.00
7/7/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$124,430.00
7/7/2021	YES	Hurstak, Daniel <i>Controller</i>		
7/8/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with the installation and replacement of light fixtures for either new customers (installation) or existing customers (replacement of failed units).

Initial Authorization for first six months \$73,283
 YTD (through June) Actual Expenditures \$56,300
 Total Budgeted Amount \$149,558
 Revised Authorization Amount \$137,800
 Variance - \$11,758

JUSTIFICATION

Customer driven and obligation to maintain/replace existing lights.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BCBE21 Outdoor Lighting
Project Name:	Outdoor Lighting
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	220
Labor Time for Removal (Man Hours):	100
Transportation Expenses (Heavy Truck Hours):	160
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	30000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	3500
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	1
EDP? (Yes or No):	No
Retirement:	2550
Salvage:	312
Description/Scope	
This budget item covers the costs associated with the installation and replacement of light fixtures for either new customers (installation) or existing customers (replacement of failed units).	
Justification	
Customer driven and obligation to maintain/replace existing lights.	

UES Seacoast Construction Authorization

AUTH: **211003**

Date: **1/29/2021**

Budgeted Amount: **\$646,644.72**

Budget Item No: **BDBE21**
 Budget Year: **2021**
 Description: **Emergency & Storm Restoration**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **1/29/2021 11:21:16 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/9/2021 2:08:54 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

Action Date	Approved	Approver/Title
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>
2/7/2021	YES	Wade, Scott <i>Manager Electric Operations</i>
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$323,323.00
Less Customer Contribution:	\$0.00
Net Authorized Cost:	\$323,323.00
Retirement:	\$5,500.00
Cost Of Removal:	\$64,665.00
Salvage:	\$1,000.00
Blanket Authorization Total:	\$259,658.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with the necessary replacements to our facilities under emergency (unscheduled) and "minor" storm conditions.

The total amount of this authorization covers the costs projected for the first six (6) months of 2021 which was derived from reviewing historical expenditures as follows:

Year First 3 mo. % of Full Year Actual

2018 \$1,918,000* 221% *
 2019 \$ 284,800 18%
 2020 \$364,100 48%

* These amounts reflect major storms that may not be transferred to a recovery account until later in that year

Total Budgeted Amount \$646,645
 Authorization Amount \$323,323 (50% of total)
 Balance \$323,322

JUSTIFICATION

Maintain satisfactory level of service to customer by providing reliable electric service.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast Construction Authorization

AUTH: **214003**

Page 1 of 3

Date: **6/16/2021**

Budgeted Amount: **\$646,644.72**

Budget Item No: BDBE21 Budget Year: 2021 Description: Emergency & Storm Restoration Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 6/16/2021 11:38:52 AM Initiated By: Wade, Scott Finalized Date: 8/13/2021 10:39:39 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/4/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$940,000.00
8/4/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
8/5/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$940,000.00
8/10/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$10,000.00
8/5/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$180,000.00
8/11/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$2,000.00
8/11/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$762,000.00
8/12/2021	YES	Hurstak, Daniel <i>Controller</i>		
8/13/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with the necessary replacements to our facilities under emergency (unscheduled) and "minor" storm conditions.

Initial Authorization for first six months \$323,323

YTD (through July) Actual Expenditures \$721,000 (this includes transfers of approximately \$231k to storm recoverable account for applicable storms through May)

Total Budgeted Amount \$646,645
 Revised Authorization Amount \$940,000
 Variance = + \$293,355

The 2020 total actual was \$766,300.

Year 2021 has also brought upon an unusual high number of smaller storm events that has caused the 2021 unfavorable variance.

JUSTIFICATION

Maintain satisfactory level of service to customer by providing reliable electric service.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BDBE21 Emergency & Storm Restoration
Project Name:	Emergency & Storm Restoration
Submitted By:	Scott D. Wade
Project Categorizations	
	Reliability, Repair/Replacement, Other
Project Estimates	
Labor Time to Install (Man Hours):	1400
Labor Time for Removal (Man Hours):	600
Transportation Expenses (Heavy Truck Hours):	1000
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	33000
Material UG Electric Construction (from Stockroom):	2000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	120000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	11000
Salvage:	2000
Description/Scope	
This budget item covers the costs associated with the necessary repairs to our facilities under emergency (unscheduled) and storm conditions.	
Justification	
Maintain satisfactory level of service to customer by providing reliable electric service.	

UES Seacoast Construction Authorization

AUTH: **21-1004** of 476

Date: **1/29/2021**

Budgeted Amount: **\$454,353.17**

Budget Item No: BEBE21 Budget Year: 2021 Description: Billable Work Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 1/29/2021 11:30:53 AM Initiated By: Page, Laurie Finalized Date: 2/9/2021 2:09:02 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$407,633.00
2/7/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$185,000.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$222,633.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$4,000.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$45,000.00
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$800.00
			Blanket Authorization Total:	\$363,433.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with all work for which the vast majority of repayment is anticipated such as broken poles, 3rd party attachment requests, 3rd party damages to our facilities, and customer owned equipment that we may replace.

The total amount of this authorization covers the costs projected for the first six (6) months of 2021 which was derived from reviewing historical expenditures as follows:

Year First 6 mo. % of Full Year Actual

- 2016 \$121,300 28%
- 2017 \$90,700 34%
- 2018 \$185,600 52%
- 2019 \$171,200 58%
- 2020 \$352,100 73%

Total Budgeted Amount \$454,353
 Authorization Amount \$222,633 (49% of total)
 Balance \$231,720

JUSTIFICATION

Obligation to respond to customer outages, broken poles, etc.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast Construction Authorization

AUTH: **211004**

Date: **6/16/2021**

Budgeted Amount: **\$454,353.17**

Budget Item No: BEBE21 Budget Year: 2021 Description: Billable Work Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 6/16/2021 11:04:55 AM Initiated By: Wade, Scott Finalized Date: 7/8/2021 10:22:09 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/2/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$895,700.00
7/2/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$372,000.00
7/2/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$523,700.00
7/6/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$8,500.00
7/6/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$90,000.00
7/6/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,650.00
7/7/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$807,350.00
7/7/2021	YES	Hurstak, Daniel <i>Controller</i>		
7/8/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with all work for which the vast majority of repayment is anticipated such as broken poles, 3rd party attachment requests, 3rd party damages to our facilities, and customer owned equipment that we may replace.

Initial Authorization for first six months \$222,633
 YTD (through June) Actual Expenditures \$333,700
 Total Budgeted Amount \$454,353
 Revised Authorization Amount \$523,700,
 Variance = \$68,347

The cause for the projected variance is that there has been an unusual number of broken poles this year as "hit and runs" which are likely not going to be re-imbursed. This revised authorization may need to be increased in 2022 to reflect an updated progress on billing and re-imburements.

JUSTIFICATION

Obligation to respond to customer outages, broken poles, etc.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BEBE21 Billable work
Project Name:	Billable Work
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven, Repair/Replacement, Other	
Project Estimates	
Labor Time to Install (Man Hours):	2600
Labor Time for Removal (Man Hours):	400
Transportation Expenses (Heavy Truck Hours):	1500
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	33000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	120000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	45
EDP? (Yes or No):	No
Retirement:	8490
Salvage:	1561
Description/Scope	
This budget item covers the costs associated with all work for which repayment is anticipated such as broken poles, 3rd party telecommunications work, damages by other parties, customer owned equipment that we replace, etc.	
Justification	
Obligation to respond to customer outages, broken poles, etc. Also, to perform work upon customer requests.	

UES Seacoast Construction Authorization

AUTH: **211005** of 476

Date: **1/29/2021**

Budgeted Amount: **\$66,811.36**

Budget Item No: BFBE21 Budget Year: 2021 Description: Transformer Company/Conversion Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 1/29/2021 2:47:48 PM Initiated By: Page, Laurie Finalized Date: 2/9/2021 2:08:59 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$66,811.36
2/7/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$66,811.36
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			Blanket Authorization Total:	\$66,811.36

DESCRIPTION/SCOPE

This authorization is for the purchase and installation of transformers that are specifically associated with company driven projects such as conversions, stepdown upgrades and stepdown installations.

There are three (3) Company driven projects in 2021 whereby transformers will need to be replaced:

- 1) Upgrade Stepdown Transformer - Pine St, Seabrook.
- 2) Install Stepdown Transformers on Rt. 150, South Hampton in order to create an alternate feed and improve voltage levels.
- 3) Convert Main St, Plaistow - being driven by a new development (this is a Carryover project however the distribution transformers will be purchased in 2021 and also the labor to install them). The Stepdown transformers for this project were purchased and paid for in 2020.

JUSTIFICATION

Required for voltage and/or load driven projects.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast

Construction Authorization

AUTH: **211005**

Page 476

Date: **6/17/2021**Budgeted Amount: **\$66,811.36**

Budget Item No: BFBE21 Budget Year: 2021 Description: Transformer Company/Conversion Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 6/17/2021 9:47:14 AM Initiated By: Wade, Scott Finalized Date: 7/8/2021 10:22:08 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/2/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$300,000.00
7/2/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
7/2/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$300,000.00
7/6/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
7/6/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
7/6/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
7/7/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$300,000.00
7/7/2021	YES	Hurstak, Daniel <i>Controller</i>		
7/8/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization is for the purchase and installation of transformers that are specifically associated with company driven projects such as conversions, stepdown upgrades and stepdown installations.

Initial Authorization \$66,811 (same as budgeted amount)
 YTD (through June) Actual Expenditures \$106,100
 Total Budgeted Amount \$66,811
 Revised Authorization Amount \$300,000
 Variance + \$233,189

The variance is primarily due to a distribution project, namely convert Rt. 125, Kingston, that has been moved up into the schedule earlier than expected as a new 3 phase customer is expecting service this year for one building and early 2022 for the remaining buildings. In order to service this new load in a timely manner, the transformers for this conversion project need to be purchased this year in order to ensure they are delivered in time to begin construction later in 2021 and early 2022. The total estimated cost of these transformers is \$150,000 plus labor and contract services amount of \$50,000.

JUSTIFICATION

Required for voltage and/or load driven projects.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast Construction Authorization

AUTH: 211005

Date: 11/30/2021

Budgeted Amount: \$66,811.36

Budget Item No: BFBE21 Budget Year: 2021 Description: Transformer Company/Conversion Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Revision Sequence: 3 Status: Completed Initiated Date: 11/30/2021 3:15:05 PM Initiated By: Wade, Scott Finalized Date: 12/16/2021 8:42:25 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
12/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$485,000.00
12/7/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
12/7/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$485,000.00
12/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
12/9/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
12/10/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
12/10/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$485,000.00
12/15/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
12/15/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization is primarily being driven by the need to replace the inventory of substation regulators that were utilized to replace failed regulators that were in the field. The following substation mounted regulators failed and were in need of replacement:

Two (2) regulators at the 47X1 tap.
 One (1) regulator for circuit 2X2 at Hampton Substation
 Two (2) regulators for circuit 20H1 at Dow's Hill Substation.

See Purchase Order SEA 55667-1 for the specification details and individual base cost pricing for each of these regulators and associated controls. The majority of the Purchase Order amount is expected to be expended in December of 2021 or January of 2022.

Initial Authorization \$66,811 (same as budgeted amount)
 YTD (through November) Actual Costs \$285,421
 Sequence #2 Revised Authorization Amount \$300,000
 This Revised (Sequence #3) Authorization Amount: \$485,000
 Variance + \$418,189 (from original budgeted amount) and +\$185,000 (from sequence #2 revised authorization).

JUSTIFICATION

Required for voltage and/or load driven projects or replacement of failed regulator units.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Seacoast

Project Description

Year: 2021
Company: UES Seacoast
Status: [A] Accepted
Priority: 1
Budget Category: BFBE21 Transformers Company/Conversions
Project Name: Transformer Company/Conversion
Submitted By: J. Dusling

Project Categorizations

Load, Voltage, Reliability

Project Estimates

Labor Time to Install (Man Hours):	30
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	15
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	500
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	30000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	0
Contract Services:	10000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	
Salvage:	

Description/Scope

This budget item is for the purchase and installation of transformers that are specifically associated with company driven projects such as conversions, stepdown upgrades and stepdown installations.

There are three (3) Company driven projects in 2021 whereby transformers will need to be replaced:

- 1) Upgrade Stepdown Transformer - Pine St, Seabrook.
- 2) Install Stepdown Transformers on Rt. 150, South Hampton in order to create an alternate feed and improve voltage levels.
- 3) Convert Main St, Plaistow - being driven by a new development (this is a Carryover project however the distribution transformers will be purchased in 2021 and also the labor to install them). The Stepdown transformers for this project were purchased and paid for in 2020.

Justification

Required for voltage and/or load driven projects.

**UES Seacoast
Construction Authorization**

AUTH: 211006

Date: 1/29/2021

Budgeted Amount: \$1,108,673.46

Budget Item No: **BGBE21**
 Budget Year: **2021**
 Description: **Transformers Customer Requirements**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **1/29/2021 11:36:14 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/9/2021 2:09:16 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$411,467.00
2/7/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$12,344.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$399,123.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			Blanket Authorization Total:	\$411,467.00

DESCRIPTION/SCOPE

This authorization covers the costs associated with expenditures for the purchasing and installation of transformers in order to service new customers or maintain service to existing customers.

This authorization covers the costs projected for the first six (6) months of 2021 which was derived from reviewing historical expenditures as follows:

Year First 6 mo. % of Full Year Actual

2015 \$445,200 38%
 2016 \$393,000 34%
 2017 \$190,500 20%
 2018 \$503,800 38%
 2019 \$397,400 38%
 2020 \$475,800 47%

Total Budgeted Amount \$1,108,674
 Authorization Amount \$399,123 (36% of total)
 Balance \$709,551

JUSTIFICATION

Provide and maintain service to customers.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast
Construction Authorization

AUTH: **214006**

Date: **6/16/2021**

Budgeted Amount: **\$1,108,673.46**

Budget Item No: BGBE21 Budget Year: 2021 Description: Transformers Customer Requirements Project Supervisor: Wade, Scott Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 6/16/2021 10:48:14 AM Initiated By: Wade, Scott Finalized Date: 7/8/2021 10:22:11 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/2/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,335,000.00
7/2/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$35,000.00
7/2/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,300,000.00
7/6/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
7/6/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
7/6/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
7/7/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$1,335,000.00
7/7/2021	YES	Hurstak, Daniel <i>Controller</i>		
7/8/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with expenditures for the purchasing and installation of transformers in order to service new customers or maintain service to existing customers.

Initial Authorization for first six months \$399,123 (36% of total budget)
 YTD (through June) Actual Expenditures \$721,100
 Total Budgeted Amount \$1,108,673
 Revised Authorization Amount \$1,300,000
 Variance + \$191,327

The costs of transformers this year have escalated above the projected increase coupled with the trending of year to date expenditures is the reason for the unfavorable projected variance.

JUSTIFICATION

Provide and maintain service to customers.

NOTES

AUTHORIZATION COMMENTS

UES Seacoast
 Construction Authorization

AUTH: **211006**
 Date: **12/7/2021**
 Budgeted Amount: **\$1,108,673.46**

Budget Item No: **BGBE21**
 Budget Year: **2021**
 Description: **Transformers Customer Requirements**
 Project Supervisor: **Wade, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Revision**
 Sequence: **3**
 Status: **Completed**
 Initiated Date: **12/7/2021 8:33:21 AM**
 Initiated By: **Wade, Scott**
 Finalized Date: **1/25/2022 7:30:06 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
1/11/2022	YES	Lydon, Lisa <i>Sr Plant Accountant</i>	Total Project Cost:	\$1,947,700.00
1/11/2022	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$45,000.00
1/11/2022	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,902,700.00
1/21/2022	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
1/12/2022	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
1/14/2022	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
1/21/2022	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$1,947,700.00
1/24/2022	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
1/24/2022	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the costs associated with expenditures for the purchasing and installation of transformers in order to service new customers or maintain service to existing customers.

Initial Authorization for first six months \$399,123 (36% of total budget)
 YTD (through December) Actual Expenditures \$1,672,700
 Total Budgeted Amount \$1,108,673
 Revised Authorization Amount \$1,902,700
 Variance + \$794,027 over the 2021 budgeted amount.

The causes for the variance are the escalating costs of transformers and a higher than expected need to replenish stock levels that were utilized to replace or to install new transformers in the field.

JUSTIFICATION

Provide and maintain service to customers.

NOTES

AUTHORIZATION COMMENTS

There is approx. \$175k (including overheads) of payments for transformers that will carryover into 2022 and get applied to this authorization as well as an estimated \$50k of contractor invoices.

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BGBE21 Transformer Customer Requirements
Project Name:	Transformers Customer Requirements
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven, Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	1150
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	575
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	4000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	550000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	65000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	3
EDP? (Yes or No):	No
Retirement:	0
Salvage:	0
Description/Scope	
This budget item covers the costs associated with expenditures as the result of purchasing and installation of transformers in order to service new customers or maintain service to existing customers.	
Justification	
Provide and maintain service to customers.	

**UES Seacoast
Construction Authorization**

AUTH: **211007**

Date: **2/4/2021**

Budgeted Amount: **\$531,536.38**

Budget Item No: **BIBE21**
 Budget Year: **2021**
 Description: **Meter Blanket Customer Requirements**
 Project Supervisor: **Willett, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/4/2021 8:52:27 AM**
 Initiated By: **Willett, Scott**
 Finalized Date: **2/18/2021 10:32:27 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/9/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$531,536.38
2/9/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
2/16/2021	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Net Authorized Cost:	\$531,536.38
2/9/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
2/11/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
2/16/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
2/16/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Blanket Authorization Total:	\$531,536.38
2/18/2021	YES	Hurstak, Daniel <i>Controller</i>		
2/18/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

The installation of new metering and equipment for Customer driven projects.
 The installation of meters and metering apparatus both residential and commercial for the purpose of accurately measuring Kilowatt Hour consumption with regard to Unitil Company rates.

JUSTIFICATION

Meters and metering apparatus required to meet customer needs in the 2021 budget year.
 Metering and apparatus was derived from a two year average 2019 - 2020.

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Seacoast

Project Description

Year: 2021
Company: UES Seacoast
Status: [A] Accepted
Priority: 1
Budget Category: BIBE21 Meters Customer Requirements
Project Name: Meter Blanket Customer Requirements
Submitted By: S.Willett

Project Categorizations

Customer Driven

Project Estimates

Labor Time to Install (Man Hours):	650
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	5000
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	284922
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

The installation of new metering and equipment for Customer driven projects.
 The installation of meters and metering apparatus both residential and commercial for the purpose of accurately measuring Kilowatt Hour consumption with regard to Unitil Company rates.

Justification

Meters and metering apparatus required to meet customer needs in the 2020 budget year.
 Metering and apparatus was derived from a two year average 2019 - 2020.

**UES Seacoast
Construction Authorization**

AUTH: ~~211008~~ **211008**

Date: **2/4/2021**

Budgeted Amount: **\$353,860.81**

Budget Item No: BHBE21 Budget Year: 2021 Description: Meter Blanket Company Requirements Project Supervisor: Willett, Scott Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/4/2021 8:51:36 AM Initiated By: Willett, Scott Finalized Date: 2/9/2021 2:13:07 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$353,860.81
2/8/2021	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$353,860.81
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
2/8/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			Blanket Authorization Total:	\$353,860.81

DESCRIPTION/SCOPE

This blanket covers the cost of all company related projects in the metering area.

JUSTIFICATION

This budget includes any company related metering expense including the replacement of failed AMI endpoints as well as the installation and replacement of step down and primary metering. Company related expense (switches/meters/etc)

NOTES

AUTHORIZATION COMMENTS

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	BHBE21 Meters Company Requirements
Project Name:	Meter Blanket Company Requirements
Submitted By:	S.Willett
Project Categorizations	
Load, Reliability, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	1200
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	60
Transportation Expenses (Light Truck Miles):	1000
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	110791
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
This blanket covers the cost of all company related projects in the metering area.	
Justification	
This budget includes any company related metering expense including the replacement of failed AMI endpoints as well as the installation and replacement of step down and primary metering. Company related expense (switches/meters/etc)	

UES Seacoast Construction Authorization

AUTH: **211010**

Date: **1/28/2021**

Budgeted Amount: **\$865,971.31**

Budget Item No: **DPBE01**
 Budget Year: **2021**
 Description: **Distribution Pole Replacements**
 Project Supervisor: **Aquilina, Patrick**
 Crew Days: **125**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **1/28/2021 3:04:29 PM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/12/2021 11:20:03 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$865,971.31
2/8/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$865,971.31
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$10,404.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$180,140.31
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$1,040.00
2/9/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$686,871.00
2/12/2021	YES	Hurstak, Daniel <i>Controller</i>		
2/12/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This authorization consists of replacing poles, and their associated transfers, in various towns as a result of our distribution and sub-transmission inspection programs. Also, to cover other findings of aged poles that are not part of our scheduled inspections.

JUSTIFICATION

Replacement per our Distribution Inspection Policy and other findings that may take place outside of the scheduled inspections.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211801	Distribution Pole Replacements	\$686,871.00
	Total	\$686,871.00

UES Seacoast Construction Authorization

Date: **6/14/2021**
Budgeted Amount: **\$865,971.31**

Budget Item No: DPBE01 Budget Year: 2021 Description: Distribution Pole Replacements Project Supervisor: Aquilina, Patrick Crew Days: 250 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 6/14/2021 1:57:34 PM Initiated By: Wade, Scott Finalized Date: 6/29/2021 2:03:19 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/16/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$1,688,000.00
6/16/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
6/16/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$1,688,000.00
6/16/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$20,000.00
6/28/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$340,000.00
6/23/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$2,000.00
6/28/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$1,350,000.00
6/28/2021	YES	Hurstak, Daniel <i>Controller</i>		
6/28/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization consists of replacing poles, and their associated transfers, in various towns as a result of our distribution and sub-transmission inspection programs. Also, to cover other findings of aged poles that are not part of our scheduled inspections or the transfer of our facilities on substandard poles that may be replaced by the telephone Company

Original Budgeted Amount \$865,971
 Revised Authorization Amount \$1,688,000
 Variance : +\$822,029

JUSTIFICATION

Replacement per our Distribution Inspection Policy and other findings that may take place outside of the scheduled inspections. This revised authorization is increased to cover additional poles that were detected during our inspection program including some off road sub-transmission poles that were recently found to be condemned.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211801	Distribution Pole Replacements	\$1,350,000.00
	Total	\$1,350,000.00

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	2
Budget Category:	DPBE01 Distribution Projects
Project Name:	Distribution Pole Replacements
Submitted By:	Scott D. Wade
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	400
Labor Time for Removal (Man Hours):	180
Transportation Expenses (Heavy Truck Hours):	290
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	55000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	440
Contract Services:	350000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	10404
Salvage:	1040
Description/Scope	
This project consists of replacing poles in various towns as a result of our distribution, sub-transmission inspection program and transfers of poles that Fairpoint replaces as a result of their inspection program. See Notes section for further details.	
Justification	
Replacement per our Distribution Inspection Policy	

UES Seacoast Construction Authorization

AUTH: **211012**

Date: **2/3/2021**

Budgeted Amount: **\$96,763.34**

Budget Item No: **DPBE04**
 Budget Year: **2021**
 Description: **23X1 – Install Stepdowns and Add Primary on New Amesbury Rd/Highland Rd, South Hampton**
 Project Supervisor: **Aquilina, Patrick**
 Crew Days: **30**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/3/2021 1:39:45 PM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/9/2021 2:12:53 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$140,000.00
2/7/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$140,000.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$500.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$28,000.00
2/8/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$0.00
			CWO Total:	\$112,000.00

DESCRIPTION/SCOPE

This authorization consists of the work necessary to install three (3) 250kVA stepdown transformers in the vicinity of Pole 7 Amesbury Rd, South Hampton. It will also consist of re-building eight (8) sections of overhead circuit along Highland Rd. and Amesbury Rd with three-phase construction and re-conductoring these sections with 1/0ACSR.

C-20211803 OVERHEAD -NON BILLABLE \$ 112,000.00
 Cost of Removal \$28,000.00

Total Company Cost \$140,000.00

The authorization amount is higher than the budgeted amount due to the need to replace and add new poles to accommodate the State ROW offset requirements.

JUSTIFICATION

Circuit analysis has identified that the primary voltage along Highland St in South Hampton is expected to be as low as 116.1V in the summer of 2021

The town of South Hampton has classified Old Route 150 as Class VI roadway. As such, they have stopped maintaining the road by either paving it when needed or plowing it in the winter. Currently, the overhead line that feeds the southwestern portion of 23X1 is along this section of road. Because of the road's classification, this section of overhead line has become difficult to maintain.

Once complete, voltage is expected to remain within normal limits throughout the year, and this project will also allow for much easier access and maintenance of the section of primary feeding the southwestern portion of the circuit.

NOTES

42476

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211803	Circuit 23X1 Install Stepdowns & Add Primary on New Amesbury Rd/Highland Rd	\$112,000.00
	Total	\$112,000.00

UES Seacoast Construction Authorization

AUTH: **211012**

Date: **8/19/2021**

Budgeted Amount: **\$96,763.34**

Budget Item No: DPBE04 Budget Year: 2021 Description: 23X1 – Install Stepdowns and Add Primary on New Amesbury Rd/Highland Rd, South Hampton Project Supervisor: Aquilina, Patrick Crew Days: 30 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 8/19/2021 3:45:23 PM Initiated By: Wade, Scott Finalized Date: 8/26/2021 7:31:49 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/20/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$195,000.00
8/23/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
8/23/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$195,000.00
8/23/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$500.00
8/24/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$40,000.00
8/24/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
8/24/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$155,000.00
8/25/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
8/25/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization is to cover the additional costs expected to be incurred for the above named project. The project consists of the work necessary to install three (3) 250kVAstepdown transformers in the vicinity of Pole 7 Amesbury Rd, South Hampton. It will also consist of re-building eight (8) sections of overhead circuit along Highland Rd. and AmesburyRd with three-phase construction and re-conductoring these sections with 1/0ACSR.

The additional costs are to broaden the scope of the project to completely remove two of the three phases that would serve no purpose as it would not be used to serve any customers. These phases run along Old Rt.1 50, Kensington and into South Hampton. The removal of this unused line will mitigate the potential of damage and outages in the event trees fall onto the conductor and allow for less confusion and an added measure of safety for lineworkers during any required response to this line. This line is within a heavily treed area and a portion of this unused conductor is off road which adds to the justification in it's removal.

C-20211803 OVERHEAD -NON BILLABLE \$ 155,000.00
 Cost of Removal \$40,000.00

Total CompanyCost \$195,000.00

Original Authorization \$140,000
 Revised Authorization \$195,000
 Variance \$55,000

JUSTIFICATION

Circuit analysis has identified that the primary voltage along Highland Rd. in South Hampton is expected to be as low as 116.1V in the summer of 2021

The town of South Hampton has classified Old Route 150 as Class VI roadway. As such, they have stopped maintaining the road by either paving it when needed or plowing it in the winter. Currently, the overhead line that feeds the southwestern portion of 23X1 is along this section of road. Because of the road's classification, this section of overhead line has become difficult to maintain.

Once complete, voltage is expected to remain within normal limits throughout the year, and this project will also allow for much easier access and maintenance of the section of primary feeding the southwestern portion of the circuit.

NOTES

42476

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211803	Circuit 23X1 Install Stepdowns & Add Primary on New Amesbury Rd/Highland Rd	\$155,000.00
	Total	\$155,000.00

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DPBE04 Distribution Projects
Project Name:	23X1 – Install Stepdowns and Add Primary on New Amesbury Rd/Highland Rd, South Hampton
Submitted By:	J. Ulrich
Project Categorizations	
	Voltage, Other
Project Estimates	
Labor Time to Install (Man Hours):	16
Labor Time for Removal (Man Hours):	4
Transportation Expenses (Heavy Truck Hours):	8
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	5500
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	360
Contract Services:	10000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	500
Salvage:	
Description/Scope	
<p>This project will consist installing three 250kVA stepdown transformers in the vicinity of Amesbury Rd Pole 7. It will also consist of re-building eight sections of overhead circuit along Highland St and Amesbury Rd with three-phase construction and re-conductoring these sections with 1/0ACSR.</p>	
Justification	
<p>Circuit analysis has identified that the primary voltage along Highland St in South Hampton is expected to be as low as 116.1V in the summer of 2021</p> <p>The town of South Hampton has classified Old Route 150 as Class VI roadway. As such, they have stopped maintaining the road by either paving it when needed or plowing it in the winter. Currently, the overhead line that feeds the southwestern portion of 23X1 is along this section of road. Because of the road's classification, this section of overhead line has become difficult to maintain.</p> <p>Once complete, voltage is expected to remain within normal limits throughout the year, and this project will also allow for much easier access and maintenance of the section of primary feeding the southwestern portion of the circuit.</p>	

UES Seacoast Construction Authorization

AUTH: 211018

Date: 2/4/2021

Budgeted Amount: \$391,838.41

Budget Item No: DPBE07 Budget Year: 2021 Description: Circuit 6W1 - Convert Jewell St. South Hampton to 8 kV Project Supervisor: Aquilina, Patrick Crew Days: 90 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/4/2021 9:49:54 AM Initiated By: Page, Laurie Finalized Date: 2/9/2021 2:13:24 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$391,838.41
2/7/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$391,838.41
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$3,000.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$80,352.89
2/8/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	Salvage:	\$300.00
			CWO Total:	\$311,785.52

DESCRIPTION/SCOPE

This authorization is for eliminating one of two remaining 4800V areas within the Unitil system located in South Hampton by converting the 4800V to a standard Unitil operating voltage. This project will also consist of reconductoring the primary conductor.

C-20211804 OVERHEAD/TRAFFIC/TREE \$388,785.52

Cost of Removal \$ 80,052.89

TOTAL COMPANY COST \$391,838.41

JUSTIFICATION

This conversion is required to eliminate this section of 4800V due to DG interconnection concerns. In addition, the conversion of the 4800V to 7,970V will provide stocking efficiencies by decreasing the number of 4800V transformers needed to be in stock. This will also allow external Unitil resources to work in this area during emergency events.

NOTES

AUTHORIZATION COMMENTS

42478

CWO Summary

CWO	Description	Amount
20211804	Circuit 6W1, Convert Jewell St, South Hampton to 8 kV	\$311,785.52
	Total	\$311,785.52

UES Seacoast Construction Authorization

AUTH: 211013

Date: 8/2/2021

Budgeted Amount: \$391,838.41

Budget Item No: DPBE07 Budget Year: 2021 Description: Circuit 6W1 - Convert Jewell St. South Hampton to 8 kV Project Supervisor: Aquilina, Patrick Crew Days: 100 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Supplemental Sequence: 2 Status: Completed Initiated Date: 8/2/2021 11:28:06 AM Initiated By: Wade, Scott Finalized Date: 8/13/2021 10:38:53 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/4/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$500,000.00
8/4/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
8/5/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$500,000.00
8/10/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$3,500.00
8/5/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$90,000.00
8/11/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$300.00
8/11/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$410,300.00
8/12/2021	YES	Hurstak, Daniel <i>Controller</i>		
8/13/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This supplement authorization is to cover the additional costs that were incurred for eliminating one of two remaining 4800V areas within the Unitil system located in South Hampton by converting the 4800V to a standard Unitil operating voltage. This project also consisted of reconductoring the primary conductor.

The added expenditures was a result of 3 factors;
 1) Additional traffic control measures. Many days we were required to use two officers(versus one) when working at intersections and pulling wires.
 2) Relocation of Poles after they were installed due to state setback requirements. Most pole replacements were scheduled to be placed in their existing location however we became aware that this roadway was a state maintained roadway whereby the State required us to relocate several poles further off the roadway and 3) There were some locations whereby we received limited permissions for tree clearing which caused added line crew labor to install additional rigging and multiple existing wire moving to make room for the new conductor being installed.

Original Authorization \$391,838.41
 Supplement Authorization \$500,000.00
 Variance + 108,161.59

JUSTIFICATION

This conversion is required to eliminate this section of 4800V due to DG interconnection concerns. In addition, the conversion of the 4800V to 7,970V will provide stocking efficiencies by decreasing the number of 4800V transformers needed to be in stock. This will also allow external Unitil resources to work in this area during emergency events.

NOTES

AUTHORIZATION COMMENTS

42478

CWO Summary

CWO	Description	Amount
20211804	Circuit 6W1, Convert Jewell St, South Hampton to 8 kV	\$410,300.00
	Total	\$410,300.00

Capital Budget 2021 UES Seacoast

Project Description

Year: 2021
Company: UES Seacoast
Status: [A] Accepted
Priority: 3
Budget Category: DPBE07 Distribution Projects
Project Name: Circuit 6W1 - Convert Jewell St. South Hampton to 8 kV
Submitted By: J. Ulrich

Project Categorizations

Voltage, Protection, Other

Project Estimates

Labor Time to Install (Man Hours):	80
Labor Time for Removal (Man Hours):	20
Transportation Expenses (Heavy Truck Hours):	50
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	25000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	1350
Contract Services:	45000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	3000
Salvage:	300

Description/Scope

Eliminate the remaining 4800V portion of the Unitil system in the South Hampton area by converting the 4800V to a standard Unitil operating voltage. This project will also consist of reconductoring the primary conductor.

Justification

This conversion is required to eliminate this section of 4800V due to DG interconnection concerns. In addition, the conversion of the 4800V to 7,970V will provide stocking efficiencies by decreasing the number of 4800V transformers needed to be in stock. This will also allow external Unitil resources to work in this area during emergency events.

UES Seacoast Construction Authorization

AUTH: 2021054

Date: 1/28/2021

Budgeted Amount: \$210,862.00

Budget Item No: **DEBE01**
 Budget Year: **2021**
 Description: **State of NH Highway Lighting Removals, Exeter, Stratham, Hampton**
 Project Supervisor: **Gilman, Catherine**
 Crew Days: **12**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **1/28/2021 1:50:16 PM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/9/2021 2:10:51 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

Action Date	Approved	Approver/Title
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>
2/7/2021	YES	Wade, Scott <i>Manager Electric Operations</i>
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$39,099.26
Less Customer Contribution:	\$39,099.26
Net Authorized Cost:	\$0.00
Retirement:	\$0.00
Cost Of Removal:	\$44,512.00
Salvage:	\$5,664.74
CWO Total:	\$252.00

DESCRIPTION/SCOPE

This authorization is to de-energize, remove and retire 23 existing luminaires and existing aluminum standard street light poles along State Route 101 in the towns of Exeter, Stratham, and Hampton. This work is being requested by the State of NH. Additionally, the State has requested a new underground service be installed for a Intelligent Transportation System. All this work has been included within a Force Account Utility Agreement.

NEW UG Service \$252.00.
 PLUS: Cost of Removal \$44,512.00
 LESS: Salvage Credit \$ 5,664.74

Customer Contribution \$39,099.26

JUSTIFICATION

This work will be completed at Exits 10, 11, 12, and 13. This work is being done at the request of the State of New Hampshire. The State will pay full cost of this work and traffic control less salvage value.

NOTES

NOTE: Please transfer all charges from CWO# 20215510 to CWO#20211805.

AUTHORIZATION COMMENTS

E-Intake # 42563
 State Project # 42848

CWO Summary

CWO	Description	Amount
20211805	State of NH Highway Lighting Removals, Exeter, Stratham, Hampton	\$252.00
	Total	\$252.00

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	2
Budget Category:	DEBE00 Highway Projects
Project Name:	Highway Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Government
Project Estimates	
Labor Time to Install (Man Hours):	300
Labor Time for Removal (Man Hours):	50
Transportation Expenses (Heavy Truck Hours):	175
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	17000
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	65000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	2080
Salvage:	1040
Description/Scope	
Unanticipated Highway Projects	
This budget item covers the costs associated with unanticipated and known in advance highway projects as required by governmental agencies. Highway projects may consist of sidewalk reconstruction/installation, turn lane installations, road widening, etc.	
Justification	
Governmental requirement	

UES Seacoast
Construction Authorization

AUTH: **211015**

Date: **1/28/2021**

Budgeted Amount: **\$14,500.00**

Budget Item No: EAAE01 Budget Year: 2021 Description: Tools, Shop & Garage – Normal Additions and Replacements Project Supervisor: Aquilina, Patrick Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 1/28/2021 2:26:41 PM Initiated By: Page, Laurie Finalized Date: 2/9/2021 2:11:00 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$14,500.00
2/7/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$14,500.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$800.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$14,500.00

DESCRIPTION/SCOPE

This authorization covers the unscheduled additions and replacements of tools and equipment normally utilized by the Seacoast DOC.

JUSTIFICATION

Allows for replacement of failed and broken tools.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212700	Tools, Shop & Garage - Normal Additions and Replacements	\$14,500.00
	Total	\$14,500.00

UES Seacoast Construction Authorization

AUTH: **214015**

Page 1 of 476

Date: **11/2/2021**

Budgeted Amount: **\$14,500.00**

Budget Item No: EAE01 Budget Year: 2021 Description: Tools, Shop & Garage – Normal Additions and Replacements Project Supervisor: Aquilina, Patrick Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Revision Sequence: 2 Status: Completed Initiated Date: 11/2/2021 7:44:32 AM Initiated By: Wade, Scott Finalized Date: 11/4/2021 10:57:50 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
11/2/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$22,500.00
11/2/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
11/2/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$22,500.00
11/3/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$800.00
11/4/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$0.00
11/3/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
11/4/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$22,500.00
11/4/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
11/4/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This revised authorization covers the unscheduled additions and replacements of tools and equipment normally utilized by the Seacoast DOC.

The cause of the additional expenditures is a result of having to purchase equipment/gear for two (2) new Lineworkers that was not originally expected or planned for at the time of budgeting in 2020.

Budgeted Amount \$14,500
 Authorization Amount \$14,500
 Revised Authorization Amount \$ 22,500

JUSTIFICATION

Allows for replacement of failed and broken tools.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212700	Tools, Shop & Garage - Normal Additions and Replacements	\$22,500.00
	Total	\$22,500.00

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	2
Budget Category:	EAEE01 Tools, Shop, Garage
Project Name:	Tools, Shop & Garage – Normal Additions and Replacements
Submitted By:	S. Wade
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	<input type="text"/>
Labor Time for Removal (Man Hours):	<input type="text"/>
Transportation Expenses (Heavy Truck Hours):	<input type="text"/>
Transportation Expenses (Light Truck Miles):	<input type="text"/>
Material OH Electric Construction (from Stockroom):	<input type="text"/>
Material UG Electric Construction (from Stockroom):	<input type="text"/>
Material Gas Construction (from Stockroom):	<input type="text"/>
Material Direct Charge (Ordered directly to job.):	<input type="text"/>
Material Hot Water Heaters:	<input type="text"/>
Contract Labor Hours (Man Hours):	<input type="text"/>
Contract Services:	<input type="text"/>
Other Specific Charges (\$):	14500
Overhead on Specific Charges (%):	<input type="text"/>
Customer Contribution (%) (before OH's applied):	<input type="text"/>
EDP? (Yes or No):	??
Retirement:	800
Salvage:	<input type="text"/>
Description/Scope	
This covers the unscheduled additions and replacements of tools and equipment normally utilized by the Seacoast DOC.	
Justification	
Allows for replacement of failed and broken tools.	

UES Seacoast Construction Authorization

AUTH: **211016**

Date: **1/28/2021**

Budgeted Amount: **\$6,000.00**

Budget Item No: EAAE02 Budget Year: 2021 Description: Purchase and Replace Rubber Goods Project Supervisor: Aquilina, Patrick Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 1/28/2021 2:28:03 PM Initiated By: Page, Laurie Finalized Date: 2/9/2021 2:11:05 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$6,000.00
2/7/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$6,000.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$300.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$6,000.00

DESCRIPTION/SCOPE

This authorization is to cover the costs associated with the unscheduled replacements of various rubber goods such as: rubber hoses, rubber blankets and alike equipment.

JUSTIFICATION

This equipment is used to cover equipment and material during live line construction and maintenance to ensure adequate safety clearances can be maintained and practices can be followed.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212701	Purchase and Replace Rubber Goods	\$6,000.00
	Total	\$6,000.00

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	2
Budget Category:	EAE02 Tools, Shop, Garage
Project Name:	Purchase and Replace Rubber Goods
Submitted By:	S. Wade
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	6000
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	300
Salvage:	
Description/Scope	
This budget/authorization item is to cover the costs associated with the unscheduled replacements of various rubber goods such as: rubber hoses, rubber blankets and alike equipment.	
Justification	
This equipment is used to cover equipment and material during live line construction and maintenance to ensure adequate safety clearances can be maintained and practices can be followed.	

UES Seacoast
Construction Authorization

AUTH: **211020**

Date: **1/29/2021**

Budgeted Amount: **\$7,500.00**

Budget Item No: **GPBE01**
 Budget Year: **2021**
 Description: **Normal Improvements to Seacoast DOC Facilities**
 Project Supervisor: **Agel, Jacquie**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **1/29/2021 11:51:08 AM**
 Initiated By: **Doucette, George**
 Finalized Date: **2/28/2021 10:39:36 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$7,500.00
2/10/2021	YES	Agel, Jacquie <i>Manager, Fleet & Facilities</i>	Less Customer Contribution:	\$0.00
2/28/2021	YES	Closson, John <i>VP, People, Shared Services & Org. Effectiveness</i>	Net Authorized Cost:	\$7,500.00
			Retirement:	\$0.00
			Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$7,500.00

DESCRIPTION/SCOPE

This budget item is for the unscheduled improvements or replacements of structures within the Kensington facility.

JUSTIFICATION

Necessary in order to replace or improve our facility in the event of unscheduled failures or unexpected occurrence of events.

NOTES

8/14/20 jda: Reduced item from \$12K to \$5k in case 114 DWR facility needs work before it is sold in 2021.

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212705	Normal Improvements to Seacoast DOC Facilities	\$7,500.00
	Total	\$7,500.00

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	3
Budget Category:	GPBE01 Structures
Project Name:	Normal Improvements to Seacoast DOC Facilities
Submitted By:	Jason Kearns
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	<input type="text"/>
Labor Time for Removal (Man Hours):	<input type="text"/>
Transportation Expenses (Heavy Truck Hours):	<input type="text"/>
Transportation Expenses (Light Truck Miles):	<input type="text"/>
Material OH Electric Construction (from Stockroom):	<input type="text"/>
Material UG Electric Construction (from Stockroom):	<input type="text"/>
Material Gas Construction (from Stockroom):	<input type="text"/>
Material Direct Charge (Ordered directly to job.):	<input type="text"/>
Material Hot Water Heaters:	<input type="text"/>
Contract Labor Hours (Man Hours):	<input type="text"/>
Contract Services:	<input type="text"/>
Other Specific Charges (\$):	7500
Overhead on Specific Charges (%):	<input type="text"/>
Customer Contribution (%) (before OH's applied):	<input type="text"/>
EDP? (Yes or No):	??
Retirement:	<input type="text"/>
Salvage:	<input type="text"/>
Description/Scope	
This budget item is for the unscheduled improvements or replacements of structures within the Kensington facility.	
Justification	
Necessary in order to replace or improve our facility in the event of unscheduled failures or unexpected occurrence of events.	

UES Seacoast
Construction Authorization

AUTH: **211022**

Date: **2/2/2021**

Budgeted Amount: **\$12,000.00**

Budget Item No: **EAAE05**
 Budget Year: **2021**
 Description: **Normal Additions and Replacements- Tools and Equipment Substation**
 Project Supervisor: **Jacobs, Andrew**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/2/2021 10:33:31 AM**
 Initiated By: **Jacobs, Andrew**
 Finalized Date: **2/9/2021 2:13:31 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$12,000.00
2/8/2021	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$12,000.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$12,000.00

DESCRIPTION/SCOPE

Purchase new tools or replace existing as required.

JUSTIFICATION

This project is required to maintain the ability to perform construction, maintenance and testing activities or improve work practices and productivity.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212707	Normal Additions and Replacements- Tools and Equipment Substation	\$12,000.00
	Total	\$12,000.00

Capital Budget 2021 UES Seacoast

Project Description

Year: 2021
Company: UES Seacoast
Status: [A] Accepted
Priority: 2

Budget Category: EAEE05 Tools, Shop, Garage
Project Name: Normal Additions and Replacements- Tools and Equipment Substation
Submitted By: J. Goudreault

Project Categorizations

Repair/Replacement, Other

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	12000
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

Purchase new tools or replace existing as required.

Justification

This project is required to maintain the ability to perform construction, maintenance and testing activities or improve work practices and productivity.

UES Seacoast Construction Authorization

AUTH: **211023**

Date: **2/2/2021**

Budgeted Amount: **\$49,295.32**

Budget Item No: **SPBE08**
 Budget Year: **2021**
 Description: **Substation Stone Installation, Various Locations**
 Project Supervisor: **Jacobs, Andrew**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/2/2021 10:35:59 AM**
 Initiated By: **Jacobs, Andrew**
 Finalized Date: **2/9/2021 2:13:37 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$49,295.32
2/8/2021	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$49,295.32
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$49,295.32

DESCRIPTION/SCOPE

This project is to install stone at Plaistow, Timberlane, and High St S/S

JUSTIFICATION

The crushed stone at this substation doesn't provide adequate coverage for step potential. Additionally, there are gaps under the fence that need to be filled.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211806	Substation Stone Installation, Various Locations	\$49,295.32
	Total	\$49,295.32

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	2
Budget Category:	SPBE08 Substation Project
Project Name:	Substation Stone Installation, Various Locations
Submitted By:	A. Jacobs
Project Categorizations	
	Safety, Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	24
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	12
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	30000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	
Description/Scope	
This project is to install stone at Plaistow, Timberlane, and High St S/S	
Justification	
The crushed stone at this substation doesn't provide adequate coverage for step potential. Additionally, there are gaps under the fence that need to be filled.	

UES Seacoast Construction Authorization

AUTH: **2011025**

Date: **2/2/2021**

Budgeted Amount: **\$27,000.00**

Budget Item No: **GPBE02**
 Budget Year: **2021**
 Description: **Plastow Garage Improvements**
 Project Supervisor: **Agel, Jacquie**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/2/2021 2:50:27 PM**
 Initiated By: **Doucette, George**
 Finalized Date: **2/28/2021 10:39:52 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

Action Date	Approved	Approver/Title
2/16/2021	YES	Lydon, Lisa <i>Plant Accountant</i>
2/25/2021	YES	Agel, Jacquie <i>Manager, Fleet & Facilities</i>
2/28/2021	YES	Closson, John <i>VP, People, Shared Services & Org. Effectiveness</i>
2/17/2021	YES	Sprague, Kevin <i>VP, Engineering</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$27,000.00
Less Customer Contribution:	\$0.00
Net Authorized Cost:	\$27,000.00
Retirement:	\$0.00
Cost Of Removal:	\$0.00
Salvage:	\$0.00
CWO Total:	\$27,000.00

DESCRIPTION/SCOPE

Improve Plastow Garage Bathroom and Breakroom including: paint, flooring, new bathroom plumbing fixtures, paint, lighting, water heater, shelving. Remove no longer functional appliances from break room.

JUSTIFICATION

Plastow garage is used daily by NUNH Gas Operations and is used by UES/Seacoast as a staging area emergency response activities. The bathroom and kitchen infrastructure is 40+ years old. Years ago E&H line crews worked out of this location on a daily basis. Over the years the appliances, plumbing infrastructure have fallen into disrepair and the finishes are worn. Plumbing fixtures need to be replaced as well as the water heater.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212708	Plastow Garage Improvements	\$27,000.00
	Total	\$27,000.00

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	3
Budget Category:	GPBE02 Structures
Project Name:	Plaistow Garage Improvements
Submitted By:	Kearn, Jason
Project Categorizations	
	Repair/Replacement, Other
Project Estimates	
Labor Time to Install (Man Hours):	<input type="text"/>
Labor Time for Removal (Man Hours):	<input type="text"/>
Transportation Expenses (Heavy Truck Hours):	<input type="text"/>
Transportation Expenses (Light Truck Miles):	<input type="text"/>
Material OH Electric Construction (from Stockroom):	<input type="text"/>
Material UG Electric Construction (from Stockroom):	<input type="text"/>
Material Gas Construction (from Stockroom):	<input type="text"/>
Material Direct Charge (Ordered directly to job.):	<input type="text"/>
Material Hot Water Heaters:	<input type="text"/>
Contract Labor Hours (Man Hours):	<input type="text"/>
Contract Services:	<input type="text"/>
Other Specific Charges (\$):	27000
Overhead on Specific Charges (%):	<input type="text"/>
Customer Contribution (%) (before OH's applied):	<input type="text"/>
EDP? (Yes or No):	??
Retirement:	<input type="text"/>
Salvage:	<input type="text"/>
Description/Scope	
Improve Plaistow Garage Bathroom and Breakroom including; paint, flooring, new bathroom plumbing fixtures, paint, lighting, water heater, shelving. Remove no longer functional appliances from break room.	
Justification	
Plaistow garage is used daily by NUNH Gas Operations and is used by UES/Seacoast as a staging area emergency response activities. The bathroom and kitchen infrastructure is 40+ years old. Years ago E&H line crews worked out of this location on a daily basis. Over the years the appliances, plumbing infrastructure have fallen into disrepair and the finishes are worn. Plumbing fixtures need to be replaced as well as the water heater.	

UES Seacoast Construction Authorization

AUTH: 211026

Date: 2/2/2021

Budgeted Amount: \$52,094.34

Budget Item No: SPBE02 Budget Year: 2021 Description: High Street Substation, Hampton - Replace 17W1 & 17W2 Relays Project Supervisor: Krell, Paul Crew Days: 7 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 2/2/2021 2:38:16 PM Initiated By: Krell, Paul Finalized Date: 5/17/2021 12:35:27 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
5/13/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$52,094.34
5/14/2021	YES	Goudreault, James <i>Manager, Electric Dispatch & Substations</i>	Less Customer Contribution:	\$0.00
5/14/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$52,094.34
5/14/2021	YES	Krell, Paul <i>Manager Energy Sys. Engineer.</i>	Retirement:	\$5,000.00
5/16/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$2,800.00
5/17/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
5/17/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$49,294.34

DESCRIPTION/SCOPE

Replace the existing 17W1 and 17W2 recloser controls at High Street substation.

JUSTIFICATION

The PCD relays in the existing controls have become a maintenance issue and are a type and vintage that has a history of component failure. The LCD display on the relay is failing and not legible during cold weather conditions. This relay product is no longer manufactured, and replacement components are becoming scarce.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211808	High Street - Replace 17W1 & 17W2 Controls	\$49,294.34
	Total	\$49,294.34

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	2
Budget Category:	SPBE02 Substation Project
Project Name:	High Street Substation, Hampton - Replace 17W1 & 17W2 Relays
Submitted By:	J.Goudreault / P.Krell
Project Categorizations	
Protection, Reliability, Repair/Replacement	
Project Estimates	
Labor Time to Install (Man Hours):	80
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	40
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	25000
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	No
Retirement:	5000
Salvage:	0
Description/Scope	
This project is to replace the PCD relays at 17W1 and 17W2.	
Justification	
These relays have become a maintenance issue and are the type and vintage that has a history of failure. The LCD display on this relay is failing and not legible during cold weather conditions. Parts for this type of relay are becoming obsolete.	

UES Seacoast Construction Authorization

AUTH: **211030**

Date: **2/4/2021**

Budgeted Amount: **\$7,000.00**

Budget Item No: **EAAE04**
 Budget Year: **2021**
 Description: **Normal additions & replacement - tools & equipment Meter and Services**
 Project Supervisor: **Willett, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/4/2021 8:56:07 AM**
 Initiated By: **Willett, Scott**
 Finalized Date: **2/9/2021 2:14:08 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$7,000.00
2/8/2021	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$7,000.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$7,000.00

DESCRIPTION/SCOPE

The normal addition and replacement of tools and equipment utilized by the Electric Meter Department.

JUSTIFICATION

Addition of tools required to perform work and replacement of tools broken or damaged throughout the year.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212709	Normal additions & replacement - tools & equipment Meter and Service	\$7,000.00
	Total	\$7,000.00

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	2
Budget Category:	EAEEO4 Tools, Shop, Garage
Project Name:	Normal additions & replacement - tools & equipment Meter and Services
Submitted By:	S.Willett
Project Categorizations	
	Repair/Replacement
Project Estimates	
Labor Time to Install (Man Hours):	<input type="text"/>
Labor Time for Removal (Man Hours):	<input type="text"/>
Transportation Expenses (Heavy Truck Hours):	<input type="text"/>
Transportation Expenses (Light Truck Miles):	<input type="text"/>
Material OH Electric Construction (from Stockroom):	<input type="text"/>
Material UG Electric Construction (from Stockroom):	<input type="text"/>
Material Gas Construction (from Stockroom):	<input type="text"/>
Material Direct Charge (Ordered directly to job.):	<input type="text"/>
Material Hot Water Heaters:	<input type="text"/>
Contract Labor Hours (Man Hours):	<input type="text"/>
Contract Services:	<input type="text"/>
Other Specific Charges (\$):	7000
Overhead on Specific Charges (%):	<input type="text"/>
Customer Contribution (%) (before OH's applied):	<input type="text"/>
EDP? (Yes or No):	??
Retirement:	<input type="text"/>
Salvage:	<input type="text"/>
Description/Scope	
The normal addition and replacement of tools and equipment utilized by the Electric Meter Department.	
Justification	
Addition of tools required to perform work and replacement of tools broken or damaged throughout the year.	

UES Seacoast Construction Authorization

AUTH: **211031**

Date: **2/4/2021**

Budgeted Amount: **\$7,000.00**

Budget Item No: **EBBE01**
 Budget Year: **2021**
 Description: **Lab Equipment - Normal Additions and Replacements**
 Project Supervisor: **Willett, Scott**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/4/2021 8:56:38 AM**
 Initiated By: **Willett, Scott**
 Finalized Date: **2/9/2021 2:14:14 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/7/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$7,000.00
2/8/2021	YES	Dube, Christopher <i>Manager, Metering & Field Services</i>	Less Customer Contribution:	\$0.00
2/8/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$7,000.00
2/8/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/8/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$7,000.00

DESCRIPTION/SCOPE

This covers unscheduled additions and replacements of lab instruments, test equipment, etc.

JUSTIFICATION

Ensure adequate measurement and testing capabilities to meet service expectations and regulatory requirements.

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20212710	Lab Equipment - Normal Additions and Replacements	\$7,000.00
	Total	\$7,000.00

Capital Budget 2021 UES Seacoast

Project Description

Year: 2021
Company: UES Seacoast
Status: [A] Accepted
Priority: 2
Budget Category: EBBE01 Laboratory
Project Name: Lab Equipment - Normal Additions and Replacements
Submitted By: S.Willett

Project Categorizations

Repair/Replacement

Project Estimates

Labor Time to Install (Man Hours):	
Labor Time for Removal (Man Hours):	
Transportation Expenses (Heavy Truck Hours):	
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	
Other Specific Charges (\$):	7000
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	
EDP? (Yes or No):	??
Retirement:	
Salvage:	

Description/Scope

This covers unscheduled additions and replacements of lab instruments, test equipment, etc.

Justification

Ensure adequate measurement and testing capabilities to meet service expectations and regulatory requirements.

UES Seacoast
Construction Authorization

AUTH: **211032**

Date: **2/10/2021**

Budgeted Amount: **\$397,458.00**

Budget Item No: **DBBE01**
 Budget Year: **2021**
 Description: **Single Phase, URD Line Ext., off Pine St., Newton - Zena Lane**
 Project Supervisor: **Gilman, Catherine**
 Crew Days: **0**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **2/10/2021 9:05:54 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **2/18/2021 2:25:02 PM**
 Finalized By: **Lydon, Lisa**

APPROVALS

ESTIMATED COST SUMMARY

Action Date	Approved	Approver/Title	Description	Amount
2/12/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$19,059.00
2/12/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$10,187.00
2/12/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$8,872.00
2/17/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
2/16/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$19,059.00

DESCRIPTION/SCOPE

Single phase, underground line extension to provide single phase service to the proposed subdivision. The Developer will pay the reduced estimated cost of this line extension and transformers, in accordance with the Economic Development Program, in advance and will receive an overhead credit as indicated below. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

Pond Knoll Estates (Zena Lane) 2 Lots
 CUSTOMER ADVANCE PAYMENT \$14,357.00
 TOTAL REFUND \$ 3,734.00
 NUMBER OF LOTS TO REFUND 1
 FIRST REFUND \$ 3,734.00
 REMAINING REFUNDS PER LOT
 C-20211812 URD/O/H - BILLABLE \$19,059.00
 Less: Developer Contribution \$10,187.00
 Company Cost \$ 8,872.00
 C-20218017 TRANSFORMERS - BILLABLE \$ 2,477.00
 Less: Developer Contribution \$ 436.00
 Company Cost \$ 2,041.00
 Total Company Cost \$ 8,872.00
 (Including Tel. Billing & Excluding Transformers)

NOTES

NOTE: Lt. Co. to set poles and anchors and bill Tel. Co. as follows:

1.00 Anchors Bel - Bill N/C
 1.00 Poles - Billable \$700.00
 Total \$700.00

The Customer portion of this billing reflects the telephone billing.

AUTHORIZATION COMMENTS

SUMMARY: (Including Tel. Billing & Excluding Transformers)

Construction Overheads \$ 6,353.00
 Overhead Line Allowance \$ 2,519.00
 Customer Contribution \$10,187.00
 Total Project Cost \$19,059.00

22168

CWO Summary

CWO	Description	Amount
20211812	Single Phase, URD Line Ext., off Pine St., Newton - Zena Lane	\$19,059.00
	Total	\$19,059.00

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	3100
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1550
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	45000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers.	
Justification	
Provide service to customers	

UES Seacoast Construction Authorization

AUTH: **211036**

Page 156 of 476

Date: **3/12/2021**

Budgeted Amount: **\$397,458.00**

Budget Item No: DBBE02 Budget Year: 2021 Description: Three Phase, URD Line Ext., Willey Creek Rd., Exeter - Building C Project Supervisor: Gilman, Catherine Crew Days: 0 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 3/12/2021 10:51:46 AM Initiated By: Page, Laurie Finalized Date: 3/16/2021 3:04:42 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/12/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$39,025.00
3/12/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$26,017.00
3/16/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$13,008.00
3/16/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
3/16/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$39,025.00

DESCRIPTION/SCOPE

Three phase, underground line extension to provide three phase service to Building C. The customer will pay the reduced estimated cost of this line extension, in accordance with the Economic Development Program, in advance. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

C-211816 UNDERGROUND - BILLABLE \$39,025
 Less: Customer Contribution \$26,017

Total Company Cost (Excluding Transformer) \$13,008

NOTES

SUMMARY: (Excluding Transformer)

Customer Contribution \$26,017.00
 Construction Overheads \$13,008.00
 Total Project Cost \$39,025.00

AUTHORIZATION COMMENTS

42808

CWO Summary

CWO	Description	Amount
20211816	Three Phase, URD Line Ext., Willey Creek Rd., Exeter - Building C	\$39,025.00
Total		\$39,025.00

Printed: 2/6/2022 8:48:12 AM

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	3100
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1550
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	45000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers.	
Justification	
Provide service to customers	

UES Seacoast Construction Authorization

Schedule CGKS-2 (Auth & Bud Inputs)
AUTH: **211036** of 476

Date: **4/16/2021**
Budgeted Amount: **\$56,186.00**

Budget Item No: **DABE01**
Budget Year: **2021**
Description: **Upgrade to Three Phase Service, Relocation of Poles, L St., Hampton**
Project Supervisor: **Gilman, Catherine**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Original**
Sequence: **1**
Status: **Completed**
Initiated Date: **4/16/2021 9:05:05 AM**
Initiated By: **Page, Laurie**
Finalized Date: **4/21/2021 11:54:46 AM**
Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
4/20/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$70,830.00
4/20/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$55,685.00
4/20/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$15,145.00
4/21/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
4/21/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$70,830.00

DESCRIPTION/SCOPE

This authorization is for upgrading the service to three phase to Bernie's Beach Bar, Economic Development Program, and for the relocation of the main line pole and for the installation of three (3) poles along L Street in order to meet proper clearances on the house services on both sides of L Street, Not under Economic Development Program. The customer will support full cost of this work. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM -
C-211818 O/H/TRAFFIC - BILLABLE \$45,434.00
Less: Customer Contribution \$30,289.00
COMPANY COST \$15,145.00

NOT UNDER ECONOMIC DEVELOPMENT PROGRAM
C-211819 O/H/TRAFFIC - BILLABLE \$25,396.00
Less: Customer Contribution \$25,396.00
COMPANY COST \$ 0.00

Total Company Cost (Including Tel. Billing) \$15,145.00

NOTES

NOTE: Lt. Co. to set poles and anchors and bill Tel. Co. as follows:

1.00 50/50 Anchor Bel Billable N/C (EDP)
1.00 50/50 Pole - Billable \$700.00 (EDP)
2.00 Sole Lt. Anchors Bel Billable N/C (Non EDP)
3.00 50/50 Poles - Billable \$2,100.00 (Non EDP)

Total \$2,800.00

The Customer portion of this billing reflects the telephone billing.

AUTHORIZATION COMMENTS

SUMMARY: (Including Tel. Billing)

Customer Contribution (EDP) \$30,289.00
Construction Overheads \$15,145.00
Customer Contribution (Non EDP) \$25,396.00
Total Project Cost \$70,830.00

40697

CWO Summary

CWO	Description	Amount
20211818	Upgrade to Three Phase Service, Relocation of Poles, L St., Hampton	\$45,434.00
20211819	Upgrade to Three Phase Service, Relocation of Poles, L St., Hampton	\$25,396.00
Total		\$70,830.00

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DABE00 Overhead Line Extensions
Project Name:	Overhead Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	380
Labor Time for Removal (Man Hours):	20
Transportation Expenses (Heavy Truck Hours):	200
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	6500
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with overhead line extensions to service new customers. Historical expenditures are utilized in order to determine 2021 budgeted amounts.	
Justification	
Service new customers	

UES Seacoast Construction Authorization

AUTH: **211039**

Date: **4/28/2021**

Budgeted Amount: **\$0.00**

Budget Item No: **DCBE01**
 Budget Year: **2021**
 Description: **Removal of Street Lights to Accommodate New LED Light Fixture Installations, Town of Kingston**
 Project Supervisor: **Aquilina, Patrick**
 Crew Days: **3**
 Start Date:
 Completion Date:

Type: **Original**
 Sequence: **1**
 Status: **Completed**
 Initiated Date: **4/28/2021 8:47:56 AM**
 Initiated By: **Page, Laurie**
 Finalized Date: **5/10/2021 10:38:59 AM**
 Finalized By: **Lydon, Lisa**

APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
4/28/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$25,300.00
4/28/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$25,300.00
4/29/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$0.00
5/7/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$1,000.00
5/4/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$15,300.00
			Salvage:	\$0.00
			CWO Total:	\$10,000.00

DESCRIPTION/SCOPE

This authorization is for removing thirty-four (34) existing Mecury Vapor yard lights and installing the standard six foot street light bracket and wire to accommodate the installation of new LED fixtures and photo cells by the Town of Kingston's lighting contractor. The Town to support full cost of this work.

NOT UNDER ECONOMIC DEVELOPMENT PROGRAM

C-20211820 O/H/TRAFFIC - BILLABLE \$25,300.00
 Less: Customer Contribution \$25,300.00

Total Company Cost \$ 0.00

NOTE:
 Transfer all charges from CWO#20215537 to CWO#20211820

JUSTIFICATION

Town request to convert to LED lighting.

NOTES

The required LED Street light Contract as been received

AUTHORIZATION COMMENTS

40800

CWO Summary

CWO	Description	Amount
20211820	Removal of Street Lights to Accommodate New LED Light Fixture Installations, Town of Kingston	\$10,000.00
Total		\$10,000.00

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	2
Budget Category:	DCBE00 Street Light Projects
Project Name:	Street Light Projects
Submitted By:	Scott D. Wade
Project Categorizations	
Customer Driven, Government	
Project Estimates	
Labor Time to Install (Man Hours):	0
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	0
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	0
Material UG Electric Construction (from Stockroom):	0
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	0
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	0
EDP? (Yes or No):	No
Retirement:	0
Salvage:	0
Description/Scope	
This budget item covers the costs associated with unanticipated street light projects as requested by governmental agencies.	
Justification	
Governmental requests	

UES Seacoast Construction Authorization

AUTH: 211042

Date: 5/24/2021

Budgeted Amount: \$397,458.00

Budget Item No: DBBE04 Budget Year: 2021 Description: Single Phase, URD Line Ext., Maplevale Rd., East Kingston Project Supervisor: Raine, Taylor Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 5/24/2021 9:35:53 AM Initiated By: Page, Laurie Finalized Date: 5/26/2021 1:04:22 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
5/24/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$37,456.00
5/24/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$20,129.00
5/26/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$17,327.00
5/26/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
5/25/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$37,456.00

DESCRIPTION/SCOPE

Single phase, underground line extension to provide single phase service to the proposed two (2) lot subdivision, Addyson Lane, off Maplevale Road, East Kingston. The Developer will pay the reduced estimated cost of this line extension and transformers, in accordance with the Economic Development Program, in advance and will receive an overhead credit for one (1) lot. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

C-211823 UNDERGROUND - BILLABLE \$37,456.00
 Less: Developer Contribution \$20,129.00
 Company Cost \$17,327.00

C-218017 TRANSFORMERS - BILLABLE \$ 2,452.00
 Less: Developer Contribution \$ 489.00
 Company Cost \$ 1,963.00

Total Company Cost (Excluding Transformers) \$17,327.00

NOTES

SUMMARY: (Excluding Transformers)

Construction Overheads \$12,485.00
 Overhead Line Allowance \$ 4,842.00
 (Deducted from Advance Payment)
 Customer Contribution \$20,129.00
 Total Project Cost \$37,456.00

AUTHORIZATION COMMENTS

43147

CWO Summary

CWO	Description	Amount
20211823	Single Phase, URD Line Ext., Maplevale Rd., East Kingston	\$37,456.00
Total		\$37,456.00

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Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	3100
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1550
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	45000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers.	
Justification	
Provide service to customers	

UES Seacoast
Construction Authorization

AUTH: 211045

Date: 5/13/2021

Budgeted Amount: \$0.00

Budget Item No: DPNE01 Budget Year: 2021 Description: Replace Neutral along Sweet Hill Rd., Plaistow Project Supervisor: Aquilina, Patrick Crew Days: 20 Start Date: <input type="text"/> Completion Date: <input type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 5/13/2021 11:26:34 AM Initiated By: Page, Laurie Finalized Date: 5/20/2021 10:19:01 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
5/14/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$105,000.00
5/14/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
5/14/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$105,000.00
5/14/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$500.00
5/16/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$20,000.00
5/17/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
5/17/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$85,000.00
5/18/2021	YES	Hurstak, Daniel <i>Controller</i>		
5/18/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This non-budget authorization is for the necessary work to upgrade the neutral along Sweet Hill Road, Plaistow.

The scope of the work includes Installing 4/0 Triplex (2,160') from pole #97/36 to pole #97/52 and remove open wire secondaries.

C-20211827 OVERHEAD/TRAFFIC \$85,000.00
 Cost of Removal \$20,000.00
 Total Company Cost \$105,000.00

JUSTIFICATION

This work is being performed due to a stray voltage condition identified along Sweet Hill Road, Plaistow.

NOTES

E-Intake # 43421

AUTHORIZATION COMMENTS

See EWR 21-0983

CWO Summary

CWO	Description	Amount
20211827	Replace Neutral along Sweet Hill Rd., Plaistow	\$85,000.00
	Total	\$85,000.00

UES Seacoast Construction Authorization

AUTH: **211046**

Date: **5/20/2021**

Budgeted Amount: **\$56,186.00**

Budget Item No: DABE03 Budget Year: 2021 Description: Three Phase, O/H Service, 12 Olde Rd., Danville Project Supervisor: Raine, Taylor Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 5/20/2021 8:22:45 AM Initiated By: Page, Laurie Finalized Date: 5/26/2021 1:12:03 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
5/20/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$18,744.00
5/20/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$7,943.00
5/26/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$10,801.00
5/26/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
5/25/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$18,744.00

DESCRIPTION/SCOPE

This authorization is for extending three phase service along Olde Road to provide three phase service to the proposed garage on 12 Olde Road, Danville. The customer, Old Dog Realty, will pay the reduced estimated cost of this line extension and traffic control, in accordance with the Economic Development Program, in advance. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost. UES to support the cost of one (1) pole and 300 Ft. of wire on private property.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

C-211828 O/H/TRAFFIC CONTROL - BILLABLE \$18,744.00
 Less: Customer Contribution \$ 7,943.00

Total Company Cost (Including Tel. Billing) \$10,801.00

NOTES

NOTE: Lt. Co. to set poles and anchors and bill Tel. Co. as follows:

1.00 Sole Lt. Anchor Billable N/C
 2.00 Sole Lt. Poles - Billable \$1,400.00

Total \$1,400.00

The Customer to support the cost of this bill.

AUTHORIZATION COMMENTS

SUMMARY: (Including Tel. Billing)

Customer Contribution \$7,943.00
 Construction Overheads \$6,248.00
 Overhead Line Allowance \$4,553.00
 (Deducted from Advance Payment)
 Total Project Cost \$18,744.00

42282

CWO Summary

CWO	Description	Amount
20211828	Three Phase, O/H Service, 12 Olde Rd., Danville	\$18,744.00
	Total	\$18,744.00

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Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DABE00 Overhead Line Extensions
Project Name:	Overhead Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	380
Labor Time for Removal (Man Hours):	20
Transportation Expenses (Heavy Truck Hours):	200
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	6500
Material UG Electric Construction (from Stockroom):	
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with overhead line extensions to service new customers. Historical expenditures are utilized in order to determine 2021 budgeted amounts.	
Justification	
Service new customers	

UES Seacoast Construction Authorization

AUTH: **211047**

Date: **5/27/2021**

Budgeted Amount: **\$397,458.00**

Budget Item No: DBBE05 Budget Year: 2021 Description: Three Phase, URD Line Ext., 88 Plaistow Rd., Plaistow Project Supervisor: Raine, Taylor Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 5/27/2021 8:05:24 AM Initiated By: Page, Laurie Finalized Date: 6/3/2021 8:14:25 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
5/27/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$63,836.00
5/30/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$35,375.00
5/27/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$28,461.00
6/2/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
5/28/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$63,836.00

DESCRIPTION/SCOPE

Three phase, underground line extension to provide three phase service to the proposed storage facility. The customer, True Storage, will pay the reduced estimated cost of this line extension, in accordance with the Economic Development Program, in advance. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost. UES to support the cost of one (1) pole and 300 Ft. of wire on private property.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

C-211829 O/H/URD/TRAFFIC - BILLABLE \$63,836
 Less: Customer Contribution \$35,375
 Total Company Cost (Excluding Transformers) \$28,461

NOTES

SUMMARY: (Excluding Transformers)

Customer Contribution \$35,375.00
 Construction Overheads \$24,673.00
 Overhead Line Allowance \$ 3,788.00
 (Deducted from Advance Payment)
 Total Project Cost \$63,836.00

AUTHORIZATION COMMENTS

42168

CWO Summary		
CWO	Description	Amount
20211829	Three Phase, URD Line Ext., 88 Plaistow Rd., Plaistow	\$63,836.00
Total		\$63,836.00

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Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	3100
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1550
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	45000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers.	
Justification	
Provide service to customers	

UES Seacoast Construction Authorization

AUTH: **2117048**

Page 1 of 16

Date: **5/21/2021**

Budgeted Amount: **\$0.00**

Budget Item No: DPNE02 Budget Year: 2021 Description: Replace Structure 2070 on the 3350 Sub-Transmission Line, Seabrook. Project Supervisor: Aquilina, Patrick Crew Days: 6 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 5/21/2021 1:01:20 PM Initiated By: Page, Laurie Finalized Date: 6/3/2021 8:16:03 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
5/21/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$66,000.00
5/24/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
5/24/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$66,000.00
5/26/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$0.00
5/26/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$13,000.00
5/25/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
5/26/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$53,000.00
6/1/2021	YES	Hurstak, Daniel <i>Controller</i>		
6/1/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This non budget authorization is for replacing structure 2070 on the 3350 Sub-Transmission Line in Seabrook. The top of the pole failed and the static wire came down across a phase conductor causing the 3348 and 3350 sub-transmission lines to lock out.

This structure is located in the marsh and is inaccessible by standard means of trucks and personnel therefore, out of the ordinary labor and specialized equipment was required to complete the work.

Note: The work and expenditures associated with this structure replacement was completed under a 2021 emergency blanket CWO, the expenditures of which shall be transferred to this authorization.

JUSTIFICATION

This work was required in order to restore the 3348 line back into service.

C-211830 OVERHEAD - NON BILLABLE \$53,000.00

COST OF REMOVAL \$13,000.00

TOTAL COMPANY COST \$66,000.00

NOTES

NOTE: Transfer all charges from CWO #20216528 to this authorization/CWO #20211830.

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
20211830	Replace Structure 2070 on the 3350 Sub-Transmission Line, Seabrook.	\$53,000.00
	Total	\$53,000.00

UES Seacoast Construction Authorization

AUTH: 211649

Date: 6/10/2021

Budgeted Amount: \$397,458.00

Budget Item No: DBBE06 Budget Year: 2021 Description: Single Phase, URD Line Ext., Springfield Dr., Hampstead Project Supervisor: Gilman, Catherine Crew Days: 0 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 6/10/2021 8:55:43 AM Initiated By: Page, Laurie Finalized Date: 6/11/2021 2:16:09 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/10/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$25,597.00
6/11/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$13,396.00
6/11/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$12,201.00
6/11/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
6/11/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$25,597.00

DESCRIPTION/SCOPE

Single phase, underground line extension to provide single phase service to Phase 2 of Winchester Heights, in Hampstead. The Developer will pay the reduced estimated cost of this line extension and transformers, in accordance with the Economic Development Program, in advance and will receive an overhead credit as indicated below. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

Springfield Drive 3 Buildings

CUSTOMER ADVANCE PAYMENT \$20,399.00
 TOTAL REFUND \$,6,903.00
 (Deducted from Advance Payment)
 NUMBER OF LOTS TO REFUND 1

C-211831 UNDERGROUND - BILLABLE \$25,597.00
 Less: Developer Contribution \$13,396.00
 Company Cost \$12,201.00

C-218017 TRANSFORMERS - BILLABLE \$ 5,001.00
 Less: Developer Contribution \$ 100.00
 Company Cost \$ 4,901.00

Total Company Cost
 (Excluding Transformers) \$12,201.00

NOTES

SUMMARY: (Excluding Transformers)

Construction Overheads \$ 8,532.00
 Overhead Line Allowance \$ 3,669.00
 (Deducted from Advance Payment)
 Customer Contribution \$13,396.00
 Total Project Cost \$25,597.00

AUTHORIZATION COMMENTS

43397

CWO Summary		
CWO	Description	Amount
20211831	Single Phase, URD Line Ext., Springfield Dr., Hampstead	\$25,597.00
Total		\$25,597.00

Printed: 2/6/2022 8:48:12 AM

Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	3100
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1550
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	45000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers.	
Justification	
Provide service to customers	

UES Seacoast Construction Authorization

AUTH: **2117052**

Date: **8/4/2021**

Budgeted Amount: **\$0.00**

Budget Item No: DPNE04 Budget Year: 2021 Description: Circuit 6W1 - Convert Main Ave. South Hampton to 8 kV Project Supervisor: Aquilina, Patrick Crew Days: 120 Start Date: <input style="width: 150px; height: 20px;" type="text"/> Completion Date: <input style="width: 150px; height: 20px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 8/4/2021 9:55:41 AM Initiated By: Page, Laurie Finalized Date: 8/26/2021 7:31:54 AM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/16/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$350,000.00
8/16/2021	YES	Bickford, Tressa <i>Manager Utility Accounting and Budgeting</i>	Less Customer Contribution:	\$0.00
8/16/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Net Authorized Cost:	\$350,000.00
8/16/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Retirement:	\$3,000.00
8/19/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Cost Of Removal:	\$60,000.00
8/24/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
8/24/2021	YES	Diggins, Todd <i>Treasurer, Director, Finance</i>	CWO Total:	\$290,000.00
8/25/2021	YES	Hurstak, Daniel <i>Chief Accounting Officer & Controller</i>		
8/25/2021	YES	Hevert, Robert <i>Senior Vice President & Chief Financial Officer & Treasurer</i>		

DESCRIPTION/SCOPE

This non budget authorization covers the costs associated with eliminating the remaining 4800V portion of the Unitil system in the South Hampton area by converting the 4800V to a standard Unitil operating voltage. This project will also consist of reconductoring the primary conductor.

C-20211834 OVERHEAD - NON BILLABLE \$245,000
 Cost of Removal \$ 60,000

Total Company Cost \$350,000

JUSTIFICATION

This conversion from 4800V to 7,970V will bring this area to a standard operating voltage, provide stocking efficiencies by decreasing the number of 4800V transformers needed to be in stock and also allow external Unitil resources that may be unfamiliar with the delta 4,800 volt systems to work in this area during emergency events.

NOTES

AUTHORIZATION COMMENTS

40321

CWO Summary

CWO	Description	Amount
20211834	Circuit 6W1 - Convert Main Ave. South Hampton to 8 kV	\$290,000.00
	Total	\$290,000.00

UES Seacoast Construction Authorization

AUTH: **211057**

Date: **9/21/2021**

Budgeted Amount: **\$397,458.00**

Budget Item No: DBBE09 Budget Year: 2021 Description: Three Phase, URD Line Ext., 5 Mckay Dr., Exeter Project Supervisor: Gilman, Catherine Crew Days: 0 Start Date: <input style="width: 150px; height: 15px;" type="text"/> Completion Date: <input style="width: 150px; height: 15px;" type="text"/>	Type: Original Sequence: 1 Status: Completed Initiated Date: 9/21/2021 8:46:15 AM Initiated By: Page, Laurie Finalized Date: 9/24/2021 1:12:09 PM Finalized By: Lydon, Lisa
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APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
9/21/2021	YES	Lydon, Lisa <i>Plant Accountant</i>	Total Project Cost:	\$17,049.00
9/22/2021	YES	Wade, Scott <i>Manager Electric Operations</i>	Less Customer Contribution:	\$11,366.00
9/23/2021	YES	Letourneau, Raymond <i>VP, Electric Operations</i>	Net Authorized Cost:	\$5,683.00
9/23/2021	YES	Bonazoli, John <i>Manager Distribution Engineer</i>	Retirement:	\$0.00
9/22/2021	YES	Sprague, Kevin <i>VP, Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$17,049.00

DESCRIPTION/SCOPE

This authorization is for extending the existing three phase primary underground and for installing a padmount transformer to provide three phase service to the proposed Primrose School. The customer will pay the reduced estimated cost of this work, in accordance with the Economic Development Program, in advance. A final accounting will be made after the work has been completed and the customer will be credited or billed for the difference between the estimate and actual cost.

JUSTIFICATION

ECONOMIC DEVELOPMENT PROGRAM

C-211840 URD - BILLABLE \$17,049.00
 Less: Customer Contribution \$11,366.00
 Total Company Cost \$ 5,683.00

NOTES

SUMMARY:

Customer Contribution \$11,366.00
 Construction Overheads \$ 5,683.00
 Total Project Cost \$17,049.00

AUTHORIZATION COMMENTS

41167

CWO Summary

CWO	Description	Amount
20211840	Three Phase, URD Line Ext., 5 Mckay Dr., Exeter	\$17,049.00
	Total	\$17,049.00

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Capital Budget 2021 UES Seacoast	
Project Description	
Year:	2021
Company:	UES Seacoast
Status:	[A] Accepted
Priority:	1
Budget Category:	DBBE00 Underground Line Extensions
Project Name:	Underground Line Extensions - New Projects
Submitted By:	Scott D. Wade
Project Categorizations	
	Customer Driven
Project Estimates	
Labor Time to Install (Man Hours):	3100
Labor Time for Removal (Man Hours):	0
Transportation Expenses (Heavy Truck Hours):	1550
Transportation Expenses (Light Truck Miles):	
Material OH Electric Construction (from Stockroom):	
Material UG Electric Construction (from Stockroom):	45000
Material Gas Construction (from Stockroom):	
Material Direct Charge (Ordered directly to job.):	
Material Hot Water Heaters:	
Contract Labor Hours (Man Hours):	
Contract Services:	1000
Other Specific Charges (\$):	
Overhead on Specific Charges (%):	
Customer Contribution (%) (before OH's applied):	60
EDP? (Yes or No):	Yes
Retirement:	0
Salvage:	0
Description/Scope	
This line item covers the costs associated with underground line extensions to service new customers.	
Justification	
Provide service to customers	