

STATE OF NEW HAMPSHIRE
BEFORE THE
PUBLIC UTILITIES COMMISSION

Docket No. DE 24-061

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
2024 Energy Service Solicitation

UPDATED DIRECT TESTIMONY

OF

ROBERT GARCIA

AND

ADAM R. M. YUSUF

June 20, 2024



1 **I. INTRODUCTION AND QUALIFICATIONS**

2 **Q. What are your full names, business addresses, and positions?**

3 A. (RG) My name is Robert Garcia. My business address is 15 Buttrick Road, Londonderry,
4 New Hampshire. My title is Manager, Rates and Regulatory Affairs.

5 (ARMY) My name is Adam R.M. Yusuf. I am an Analyst I for Rates and Regulatory
6 Affairs for LUSC, which provides service Liberty. My business address is 15 Buttrick
7 Road, Londonderry, New Hampshire.

8 **Q. By whom are you employed?**

9 A. We are employed by Liberty Utilities Service Corp. (“LUSC”), which provides services
10 to Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty and Liberty Utilities
11 (Granite State Electric) Corp. d/b/a Liberty (“Liberty” or the “Company”).

12 **Q. On whose behalf are you testifying?**

13 A. We are testifying on behalf of Liberty Utilities (Granite State Electric) Corp. (“Liberty”
14 or “the Company”).

15 **Q. Mr. Garcia, would you describe your business and educational background?**

16 A. I have an Artium Baccalaureus (Bachelor of Arts) degree in Political Science and French
17 from Wabash College (Crawfordsville, Indiana) and a Master of Public Administration
18 degree from the School of Public and Environmental Affairs at Indiana University
19 (Bloomington, Indiana) with concentrations in Policy (Quantitative) Analysis and
20 International Affairs. I also obtained a Certificat De Langue Et Civilisation Française
21 from the Université de Paris – Sorbonne (Paris, France) and, as part of my graduate

1 studies, studied French and European government at the École Nationale
2 D'Administration (Paris, France).

3 I was employed by ComEd from April 2001 to March 2023. I began my employment
4 with ComEd in the Regulatory Department as a Regulatory Specialist and moved on to
5 the positions of Senior Regulatory Specialist in 2004, Manager of Regulatory Strategies
6 and Solutions in 2008, and Director of Regulatory Strategy and Services in 2013 before
7 assuming my last position as Director of Regulatory Innovation & Initiatives in 2021.

8 Prior to joining ComEd, I worked for nearly nine years at the Illinois Commerce
9 Commission, beginning in 1992 as an intern in what was then the Office of Policy and
10 Planning and ending in 2001 as the senior policy advisor to a Commissioner. I initially
11 joined the Commission Staff through the James H. Dunn Memorial Fellowship program,
12 a one-year program sponsored by the Office of the Governor. Through this Fellowship, I
13 also held short-term positions in the Bureau of the Budget and the Governor's Legislative
14 Office.

15 **Q. Mr. Yusuf, would you describe your business and educational background?**

16 A. I graduated from the University of New Hampshire, Durham, in 2009 with a Bachelor of
17 Science in Psychology with a minor in Kinesiology: Sports Studies. I received an
18 Associate Degree in Human Services from New Hampshire Technical Institute in
19 Concord, in 2014. I received a Master of Business Administration from Southern New
20 Hampshire University in 2022. I joined Liberty in April 2019, where I held positions as a

1 Customer Service Representative and Billing Representative before joining the Rates and
2 Regulatory Affairs Department.

3 **Q. Mr. Garcia, have you testified before the New Hampshire Public Utilities**
4 **Commission (“Commission”)?**

5 A. Yes. I have testified before the Commission.

6 **Q. Mr. Yusuf, have you testified before the Commission?**

7 A. Yes. I have testified before the Commission.

8
9 **II. OVERVIEW**

10 **Q. What is the purpose of your testimony?**

11 A. The purpose of our updated testimony is to present Liberty’s proposed annual Energy
12 Service (“ES”) reconciliations for the period of August 1, 2023, to July 31, 2024, and
13 proposed ES rates. Our testimony includes the results of: (i) the reconciliation of Energy
14 Service power supply expense and applicable revenue, including Renewable Portfolio
15 Standard obligations and the applicable revenue, through the Energy Service Adjustment
16 Factor (“ESAF”); and (ii) the reconciliation of administrative costs and revenues
17 associated with providing Energy Service through the Energy Service Cost
18 Reclassification Adjustment Factor (“ESCRAF”), both of which have been updated to
19 include actual data for May 2024. Our testimony has also been updated to include (iii)
20 the proposed fixed ES rates, including a weighted-average fixed ES rate for the Small
21 Customer Group (“SCG”) and a monthly fixed ES rate for the Large Customer Group
22 (“LCG”), which, if approved, will both be applicable during the six-month August 1,

1 2024, through January 31, 2025; (iv) proposed time of use (“TOU”) ES rates; and (v) the
2 resulting bill impacts for a typical residential (Rate D) customer using 650 kWh per
3 month. In addition, pursuant to Order 26,984 (March 29, 2024) in Docket No. DE 23-
4 044, Liberty proposes modest tariff revisions that would be required to implement the
5 Commission’s decision that the Company procure a portion of the default supply directly
6 from the market (and not through a competitive solicitation).

7 **Q. Please provide the list of schedules and attachments included in your testimony.**

8 A. The table below lists the schedules provided as attachments to our testimony.

Schedule	Description
Schedule 1	Energy Service Rates Summary – LCG
Schedule 2	Energy Service Rates Summary – SCG
Updated Schedule 3	Updated Reconciliation and Calculation of Proposed Energy Service Adjustment Factor
Updated Schedule 4	Updated Reconciliation and Calculation of Proposed Energy Service Cost Reclassification Adjustment Factor
Schedule 5	“Bill Impact- “From July 1, 2024 to Aug 1, 2024”
Schedule 6	“Bill Impact- “From August 1, 2023 to Aug 1, 2024”

9
10 Attachment 1 includes proposed revisions to Original Page 25 of the Company’s tariff,
11 both clean and redline versions, in order to comply with Order 26,984 in Docket No. DE
12 23-044. Updated tariff pages that reflect the proposed ES rates have been provided as
13 Attachment 2.

14 **Q. What are Energy Service rates?**

15 A. ES rates are what the Company charges for the energy that it procures to supply
16 customers who do not elect to take service from a competitive supplier or who is not
17 included in a Community Power Aggregation, including associated costs. ES is often

1 referred to as default supply service. The rates for ES reflect a pass-through of the costs
2 with no mark-up or profit for the Company.

3 **Q. How many separate Energy Service rates are there?**

4 A. In general, ES rates are set based on the customer group. Fixed monthly Energy Service
5 rates are set for the classes supplied through the LCG. These rates change from month to
6 month during the six-month period August 1 through January 31. Fixed monthly rates
7 are also set for the classes served through the SCG; however, these rates are fixed for the
8 six-month period and do not vary from month to month. With respect to customers
9 served through either the LCG or SCG and taking service under TOU rates, separate
10 peak, mid peak, and off peak rates are set for the six-month period using models
11 approved for such rate updates.

12 **Q. Which customer classes comprise the Large Customer Group?**

13 A. The LCG includes Liberty's customers who receive service under rate classes G-1
14 (General Service Time-Of-Use), G-2 (General Long-Hour Service), and the time of use
15 rates EV-L (Commercial Plug In Electric Vehicle Charging Station) and EV-M
16 (Commercial Plug In Electric Vehicle Charging Station). Additional detail regarding the
17 class definitions is available in the Company's retail service tariff.¹

18 **Q. Which customer classes comprise the Small Customer Group?**

19 A. The SCG includes Liberty's customers who receive service under rate classes D
20 (Domestic Service), D-10 (Domestic Service with Optional Peak Load Pricing), M

¹ [<https://new-hampshire.libertyutilities.com/uploads/2023-04-05%20NHPUC%20No.%2021.pdf>]

1 (Outdoor Lighting), T (Limited Total Electrical Living Rate), V (Limited Commercial
2 Space Heating), LED-1 (Outdoor Lighting), LED-2 (Outdoor Lighting) and G-3 (General
3 Service), and the time-of-use rates D-11 (Battery Storage Pilot) and D-12 (Residential
4 EV Charging). Additional detail regarding the class definitions is available in the
5 Company's retail service tariff. *Id.*

6 **Q. Are there other rate classes that are not included in this filing?**

7 A. No.

8
9 **III. BACKGROUND ON DEFAULT SUPPLY & PROCUREMENT**

10 **Q. When did it become necessary for electric utilities in New Hampshire to purchase**
11 **energy on behalf of their customers in the manner they do now?**

12 It began in 1996, when the New Hampshire legislature passed RSA 374-F, which
13 introduced retail competition for energy supply service and required utilities in the state
14 to divest their ownership of generation assets. Prior to 1996, the utilities generated most
15 or all of the power their customers consumed and passed the costs of doing so on to their
16 customers through regulated rates. With competition for commodity supply, customers
17 can either choose a third-party supplier to provide the commodity portion of their service
18 or receive the commodity portion of their service from their electric utility. For
19 customers who do not choose a third-party supplier, those customers are served by the
20 electric distribution utility under default supply service.

21 **Q. How have the procurement practices of the New Hampshire utilities changed since**
22 **deregulation was implemented?**

1 A. The settlement agreements and orders in several dockets have established and then
2 refined how utilities make energy service solicitations, how they evaluate bids, and how
3 best to conduct the entire procurement process. Those proceedings include the
4 Settlement Agreement in Docket No. DE 05-126, dated November 18, 2005, which was
5 approved by the Commission in Order No. 24,577 (Jan. 13, 2006). The process
6 subsequently was amended by Order No. 24,922 (Dec. 19, 2008) in Docket No. DE 08-
7 011, by Order No. 25,601 (Nov. 27, 2013) in Docket No. DE 13-018, and further
8 amended by Order No. 25,806 (Sept. 2, 2015) in Docket No. DE 15-010. Most recently,
9 the procurement process was modified for customers served through the SCG in Order
10 26,984 (March 29, 2024) in Docket No. DE 23-044. Liberty has followed those approved
11 processes in conducting the energy service solicitation, as explained by Mr. Green.

12

13 **IV. ENERGY SERVICE RECONCILIATIONS**

14 **Q. Please summarize the Company's ESAF and ESCRAF reconciliations.**

15 A. The Company calculates the differences between revenues and costs for the following
16 items for this reconciliation filing:

17 ○ Energy Service Adjustment Factor ("ESAF") reconciliation reflects any

18 over- or under-collection of the prior period's ESAF, including:

19 ■ Base Energy Service (over)/under collection

20 ■ Renewable Portfolio Standard (over)/under collection

21 ■ Energy Service Adjustment Factor (over)/under collection

- 1 ▪ Interest at the customer deposit rate applicable to the monthly
2 (over)/under collection balances
- 3 ○ Energy Service Cost Reclassification Adjustment Factor (“ESCRAF”)
4 reconciliation reflects any (over)/under collection of the prior period’s
5 ESCRAF, including (over)/under collection of administrative costs of
6 providing Energy Service (*i.e.*, all Energy Service-related labor, consulting
7 costs, payments for contract security, working capital costs, and customer
8 bad debt cost) and interest at the customer deposit rate applicable to the
9 monthly (over)/under collection balances.

10 The reconciliations are calculated for the period August 1, 2023, through July 31, 2024,
11 (“Reconciliation Period”). In this updated testimony, the forecasted amounts provided
12 for May in the original May 28, 2024 filing, were updated with actuals, leaving only
13 forecasts of estimated revenues and costs for June and July.

14 **Q. Has the Company calculated the reconciliation factors in the same manner as in**
15 **previous reconciliations?**

16 A. No. In previous years, the general practice was to reconcile cost and revenues for LGC
17 and SGC customers combined. Last year, in Docket No. DE 23-044, Liberty proposed
18 separate reconciliations by group for the LCG and SCG because the Company was forced
19 to serve the LCG through direct market procurement from February to April 2023, after
20 the second Block A solicitation failed to garner bids (*see* Order 26,758 in Docket No. DE
21 22-024) and there was a significant over-collection related to that specific group. In light

1 of the recent approval of Liberty's proposed plan, made at the direction of the
2 Commission, to procure 20% of supply directly from the ISO-New England market for
3 the SCG (Order 26,984 in Docket No. DE 23-044), Liberty seeks to continue the practice
4 of applying separate reconciliations to customers served under the LCG and SCG. In
5 addition, Liberty finds that the separate reconciliations, while requiring a bit more effort,
6 represents a general improvement in cost allocation by customer group.

7 **Q. Are there any other changes that Liberty proposes in light of the procurement of**
8 **20% of SCG supply directly from ISO-New England?**

9 A. Yes. Historically, the ESAFs and ESCRAFs have been reset annually, as part of the
10 reconciliations filed in May. In light of the potential for the forecasted costs for 20% of
11 the SCG supply to deviate materially from actual supply costs, Liberty seeks approval to
12 update these rates, particularly the ESAF, as may be needed, in its December filings for
13 approval of default supply rates for the period February 1 through July 31. The discretion
14 to perform a mid-year adjustment to these rates would enable Liberty to avoid or address
15 inordinately large deferral balances that may occur. Furthermore, we believe that the
16 Commission will have questions at the hearing in December regarding the impact of the
17 direct procurement, which could be answered in part by performing the reconciliation
18 (regardless of whether the rates need to be adjusted or not).

19 **A. ENERGY SERVICE ADJUSTMENT FACTOR RECONCILIATION**

1 **Q. Is the Company presenting a reconciliation of Energy Service power supply costs**
2 **and revenues in this filing?**

3 A. Yes. Updated Schedule 3 includes the summary and details supporting the calculation of
4 the Energy Service Adjustment Factors (“ESAF”) to be applied to default supply charges.
5 As noted above, the ESAF includes the (over)/under collection balances of Energy
6 Service, the Energy Service Adjustment Factor, RPS, and applicable interest, which are
7 presented in Updated Schedule 3, pages 2, 2-1, and 2-2.

8 **Q. Would you provide an overview of Updated Schedule 3?**

9 A. Updated Schedule 3, page 1 presents the estimated (over)/under collection by supply
10 group and the resulting ESAFs for the SCG and LCG, respectively. Updated Schedule 3,
11 page 2, presents the reconciliation of revenues and expenses by month for the
12 Reconciliation Period. Updated Schedule 3, pages 2-1 and 2-2, present the Energy
13 Service Reconciliation by SCG and LCG, respectively. Additional details behind each
14 month’s Energy Service revenue are included on page 3-1 (LCG) and 3-2 (SCG) of
15 Updated Schedule 3. Page 4 of Updated Schedule 3 provides support for the allocation of
16 total RPS expense by month, which was based on the total usage of each customer group
17 during the Reconciliation Period.

18 **Q. What is the result of the Company’s ESAF reconciliation for the period ending July**
19 **31, 2024?**

20 A. As shown on Updated Schedule 3, page 1, the Company has estimated an over collection
21 of Energy Service power supply costs of \$835,224 for the LCG and an over collection of

1 \$829,497 for the SCG. When these (over)/under collections are divided by the estimated
2 Energy Service forecasted kilowatt-hour sales, it results in an estimated ESAF of
3 (\$0.011110) for the LCG and (\$0.00345) for the SCG to be included in Energy Service
4 rates effective August 1, 2024, through July 31, 2025.

5 **Q. Is the Company presenting a separate reconciliation of the cost of complying with**
6 **the Renewable Portfolio Standard obligation in this filing?**

7 A. No. Consistent with the previously approved methodology, the Company has included
8 RPS revenues and expenses in the ESAF reconciliation.

9 **Q. Has Liberty made any adjustments for the Class III REC costs at issue in Docket**
10 **No. DE 23-044?**

11 A. No. The Commission has not entered an order resolving this open issue as of the time of
12 this filing.

13 **B. ENERGY SERVICE COST RECLASSIFICATION ADJUSTMENT**
14 **FACTOR RECONCILIATION**

15 **Q. Is the Company presenting a reconciliation of administrative costs of providing**
16 **Energy Service and associated revenues in this filing?**

17 A. Yes. Updated Schedule 4 includes the summary and details supporting the calculation of
18 the Energy Service Cost Reclassification Adjustment Factors (“ESCRAF”) to be applied
19 to default supply charges. As noted above, the ESCRAF includes the (over)/under
20 collection balances of Energy Service related administrative costs and applicable interest,
21 which are presented in Updated Schedule 4, pages 2, 2-1, and 2-2.

1 **Q. Would you provide an overview of Updated Schedule 4?**

2 A. Updated Schedule 4, page 1 presents the estimated (over)/under collection by supply
3 group and the resulting ESCRAFs for the SCG and LCG, respectively. Updated
4 Schedule 4, page 2, presents the reconciliation of revenues and expenses by month for the
5 Reconciliation Period. Pages 2-1 and 2-2 provide reconciliations for the Large and Small
6 customer groups, respectively. The detail and allocations supporting each month's
7 ESCRAF administrative expense are shown on pages 4, 4-1, and 4-2 of Updated
8 Schedule 4.

9 **Q. What is the result of the Company's ESCRAF reconciliation for the period ending**
10 **July 31, 2024?**

11 A. As shown on Updated Schedule 4, page 1, the Company has estimated an under
12 collection of administrative expenses of \$283,723 for the LCG and an under collection of
13 \$591,266 for the SCG. When these under collections are divided by the estimated
14 Energy Service forecasted kilowatt-hour sales, it results in an estimated ESCRAF of
15 \$0.00377 per kWh for the LCG and \$0.00246 per kWh for the SCG to be included in
16 Energy Service rates effective August 1, 2024, through July 31, 2025.

17 **Q. Do the proposed ESCRAFs reflect the cost of Tyr Energy LLC's White Paper**
18 **regarding call-option strategies that the Commission authorized in its Procedural**
19 **Order (April 24, 2024) in Docket No. DE 23-044?**

1 A. The report is not due with the Commission until June 20, 2024, and no invoices have
2 been received from Tyr as of the date of this filing. Therefore, these costs will be
3 reflected in the next reconciliation.

4
5 **V. PROPOSED ENERGY SERVICES RATES**

6 **Q. How are the bid prices converted into Energy Service rates?**

7 A. As further described in Mr. Green's testimony, the Company went out for bids to supply
8 80% of the SCG and 100% of the LCG loads for the six-month period of August 2024
9 through January 2025. Those winning bids are initially translated into base energy
10 service rates using the monthly bid prices (per MWh) multiplied by the load loss factor,
11 which is calculated by Liberty's Energy Procurement group. With respect to SCG, the
12 base energy service rates reflect a load-weighted average of the forecasted cost for the
13 20% direct market procurements and the monthly bid prices for the 80% supplied through
14 the RFP. The base energy service rate calculations are provided in Schedules 1 and 2, line
15 13.

16 **Q. Are any further adjustments made to the base energy service rates for the Small and**
17 **Large Customer Supply Groups?**

18 A. Yes. Three adjustments are made to the base service rates to derive the ES rates: (1) a
19 Renewable Portfolio Standard ("RPS") adder, which reflects the cost of complying with
20 RPS obligations under RSA 362-F:3 for the period August 2023 through July 2024; (2)
21 the Energy Service Reconciliation Factor, which reconciles energy supply expenses and
22 applicable revenues, including those for RPS, for the historic period August 2023 through

1 July 2024; and (3) the Energy Service Cost Reclassification Factor, which reconciles the
2 administrative and general expense, bad debt expense, cash working capital expense
3 associated with the ES offering, and NHPUC assessments, and revenues for the historic
4 period August 2023 through July 2024.

5 **Q. Have you calculated a new RPS adder and/or updated either of the reconciling**
6 **factors?**

7 A. Yes. The RPS adder of \$0.00880 is provided in the Testimony of Christopher Green.

8 **Q. Do the results of these adjustments establish the Energy Supply rates for Liberty's**
9 **default service customers?**

10 A. The ES rates charged to rate classes within the LCG reflect the monthly base energy
11 service rates calculated for the six-month period, plus the RPS adder and two reconciling
12 factors. However, for rate stability and simplicity, the SCG's monthly base energy
13 service rates are also load-weighted to derive a single, average rate for the six-month
14 period. Thus, six monthly ES rates are applicable to default supply customers in the
15 LCG, while default customers in the SCG are charged the same ES rate during the six-
16 month period.

17 **Q. What Energy Supply rate do you propose for the Small Customer Group?**

18 A. The proposed rate for the Small Customer Group is \$0.10976 per kWh.

19 **Q. What Energy Supply rates do you propose for the Large Customer Group?**

20 A. The proposed rates are shown in Tables 1 through 3 below:

Table 1

G-1 and G-2 Rates Effective August 1, 2024

<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>
\$0.09324	\$ 0.07858	\$0.07008	\$ 0.08629	\$ 0.13537	\$ 0.18651

1

2 **Q. Do these proposed rates apply to customers on a TOU supply rate?**

3 A. No. The TOU supply rates for EV-L and EV-M are set using the model that was
4 approved in Docket No. DE 20-170, Order No. 26,604 (April 7, 2022), for the six-month
5 procurement period.

Table 2

EV-L Commercial EV TOU Charging Rate

<u>Period</u>	<u>Critical Peak</u>	<u>Mid Peak</u>	<u>Off Peak</u>
Summer (Aug 2024-Oct 2024)	\$ 0.33198	\$ 0.08149	\$ 0.06090
Winter (Nov 2024- Jan 2025)	\$ 0.10012	\$ 0.08465	\$ 0.07326

6

Table 3

EV-M Commercial EV TOU Charging Rate

<u>Period</u>	<u>Critical Peak</u>	<u>Mid Peak</u>	<u>Off Peak</u>
Summer (Aug 2024-Oct 2024)	\$ 0.33060	\$ 0.07984	\$ 0.05950
Winter (Nov 2024- Jan 2025)	\$ 0.10009	\$ 0.08503	\$ 0.07239

7 **Q. What rates do you propose for the TOU rates D-11 and D-12?**

8 A. Our proposed time-of-use rates are shown in Table 4 below:

Table 4

D-11 Battery Storage/ D-12 Residential EV TOU Charging Rate

<u>Period</u>	<u>Critical Peak</u>	<u>Mid-Peak</u>	<u>Off-Peak</u>
Summer (Aug 2024-Oct 2024)	\$ 0.16458	\$ 0.07202	\$ 0.04841
Winter (Nov 2024- Jan 2025)	\$0.12659	\$0.12200	\$0.10753

9

1 D-11 and D-12 energy service rates are calculated following methodology approved in
2 Docket No. DE 17-189.

3 **Q. Have you provided workpapers that show your calculations?**

4 A. Yes, please see Schedules 1 and 2 for the workpapers supporting the non-TOU rate
5 calculations. The workpapers for the TOU rates contain thousands of lines of data and,
6 as such, filing the model as an attachment is not feasible, but can be provided in a live
7 excel version for review purposes.

8 Schedule 1 provides the calculation of the total monthly ES rates for the Large Customer
9 class including (i) the forecasted cost of Energy Service and (ii) the RPS adder and two
10 reconciling factors. The monthly rates for the six-month period are calculated on Line
11 17.

12 Schedule 2 provides the calculation of the total monthly ES rates for the Small Customer
13 class including (i) the forecasted cost of Energy Service and (ii) the RPS adder and two
14 reconciling factors. The weighted average fixed rate for the six-month period is
15 calculated on Line 21.

16 **Q. Please explain how the Time of Use rates are calculated.**

17 A. The TOU rates are calculated using the cost duration method as approved in Docket Nos.
18 DE 17-189 and DE 20-170. These calculations employ 2020 hourly load and locational
19 marginal price (“LMP”) data to develop cost ratios for each of the three pricing periods
20 (that is, sum of hourly load times applicable LMP for each hour of a period divided by

1 total annual cost at LMP), which are in turn applied to the ES rates to develop critical
2 peak, mid-peak, and off-peak rates.

3
4 **VI. BILL IMPACTS**

5 **Q. Has the Company determined the impact of the energy service rate change on a**
6 **typical residential customer bill?**

7 A. Yes. As shown in Schedule 5, for a residential customer taking Energy Service and using
8 650 kWh per month, the total bill impact of the proposed rate in this filing, as compared
9 to current rates, is a bill increase of \$7.92 per month, or 5.21 percent, from \$151.91 to
10 \$159.83.

11 Schedule 6, compares actual historical rates in effect on August 1, 2023, to proposed
12 rates effective August 1, 2024. For a residential customer taking Energy Service and
13 using 650 kWh per month, the total bill impact of the proposed rate in this filing, as
14 compared to rates effective on August 1, 2023, is a bill decrease of \$7.30 per month, or -
15 4.37 percent, from \$167.13 to \$159.83. The Energy Service rate component alone as
16 compared to ES rates effective on August 1, 2023, amounts to a bill decrease of \$10.63
17 per month, or -12.97 percent, from \$81.98 to \$71.34 for just the ES charge compared to
18 rates effective on August 1, 2024.

19 **Q. Has the Company provided updated tariff pages as part of this filing?**

20 A. Yes. Updated tariff pages have been provided as Attachment 2.

1 **Q. Does Liberty require Commission approval of this rate by a specific date?**

2 A. Yes. In order to lock in the RFP results and make effective the contracts executed with
3 the winning bidders, Liberty is seeking approval of the proposed ES rates by June 28,
4 2024?

5
6 **VII. CONFORMING TARIFF CHANGES**

7 **Q. Are any revisions to Liberty's tariff needed in order to implement Order 26,984 in**
8 **Docket No. DE 23-044?**

9 A. Yes. Compliance with the Commission's recent approval of the plan to procure 20% of
10 supply directly from the ISO-New England market for the SCG would require a modest
11 change to paragraph 45 (Energy Service Adjustment Provision) of the Terms and
12 Conditions (Original Page 45), which generally refer to the procurement being made
13 through a "competitive bidding process." As also shown in Attachment 1, Liberty
14 proposes the following changes:

15 45. Energy Service Adjustment Provision
16 Energy Service shall be procured by the Company pursuant to a competitive
17 bidding process or as otherwise directed by the Commission, and the rates for
18 Energy Service shall be based on short-term market prices and include an estimate
19 of administrative costs associated with the provision of Energy Service.
20

21 Additional refinements to the tariff may be required in the future as the Commission
22 further explores alternatives to the current procurement processes, including most notably
23 the upcoming Tyr Energy LLC White Paper regarding call-option strategies.

24

1 **VIII. CONCLUSION**

2 **Q. Does this conclude your testimony?**

3 **A.** Yes, it does.

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Supply Services Solicitations
Energy Service Rates Summary Effective August 1, 2024 Through January 31, 2025 - Large Customer Group (Rates G-1 and G-2)

<u>Line No.</u>								
1	Section 1: Percentage of Medium and Large C&I kWhs Attributable to Energy Service							
2	September 2023 Medium and Large C&I Energy Service kWhs						5,528,361	
3	September 2023 Total Medium and Large C&I kWhs						<u>39,458,009</u>	
4	Percentage of Medium and Large C&I Energy Service kWhs to Total Medium and Large C&I kWhs						14.01%	
5	Section 2: Projected Medium and Large C&I Default Service kWhs, August 2024 - January 2025	August	September	October	November	December	January	Total
		(a)	(b)	(c)	(d)	(e)	(f)	(g)
6	Projected Total Company Medium and Large kWhs	51,543,022	46,582,562	44,471,766	41,070,933	42,297,776	42,535,035	268,501,093
7	Percentage of Medium and Large C&I Energy Service kWhs to Total Medium and Large C&I kWhs	<u>14.01%</u>	<u>14.01%</u>	<u>14.01%</u>	<u>14.01%</u>	<u>14.01%</u>	<u>14.01%</u>	
8	Projected Medium and Large C&I Energy Service kWhs	7,221,561	6,526,564	6,230,826	5,754,344	5,926,234	5,959,475	37,619,003
9	Section 3: Medium and Large C&I Default Service Load Weighting for August 2024 - January 2025							
10	Projected Medium and Large C&I Energy Service kWhs	7,221,561	6,526,564	6,230,826	5,754,344	5,926,234	5,959,475	37,619,003
11	Loss Factor							
12	Wholesale Contract Price (\$/MWh)							
13	Base Energy Service Rate (\$/kWh)	\$0.09177	\$0.07711	\$0.06861	\$0.08482	\$0.13390	\$0.18504	
14	Energy Service Reconciliation Adjustment Factor (\$/kWh)	(\$0.01110)	(\$0.01110)	(\$0.01110)	(\$0.01110)	(\$0.01110)	(\$0.01110)	
15	Energy Service Cost Reclassification Adjustment Factor (\$/kWh)	\$0.00377	\$0.00377	\$0.00377	\$0.00377	\$0.00377	\$0.00377	
16	Renewable Portfolio Standard Adder (\$/kWh)	\$0.00880	\$0.00880	\$0.00880	\$0.00880	\$0.00880	\$0.00880	
17	Total Estimated Medium and Large C&I Energy Service Price per kWh	<u>\$0.09324</u>	<u>\$0.07858</u>	<u>\$0.07008</u>	<u>\$0.08629</u>	<u>\$0.13537</u>	<u>\$0.18651</u>	
18	Projected Medium and Large C&I Base Default Service Cost, August 2024 - January 2025	\$ 662,723	\$ 503,263	\$ 427,497	\$ 488,083	\$ 793,523	\$1,102,741	\$ 3,977,830
19	Weighted Average Medium and Large C&I Base Default Service Charge for August 2024 - January 2025							\$ 0.10574
20	Projected Medium and Large C&I Default Service Cost, August 2024 - January 2025	\$ 673,338	\$ 512,857	\$ 436,656	\$ 496,542	\$ 802,234	\$1,111,502	\$ 4,033,130
21	Weighted Average Medium and Large C&I Default Service Charge for August 2024 - January 2025							\$ 0.10721

Reference:

- Line No. 2: Per Customer Migration Report - Q1 2024 (Rates G-1 and G-2)
- Line No. 3: Per Customer Migration Report - Q1 2024 (Energy Service Plus Competitive Supply - Rates G-1 and G-2)
- Line No. 4: Line 2 ÷ Line 3
- Line No. 6: Schedule 4 P9, Column (a)
- Line No. 7: Line 4
- Line No. 8: Line 6 x Line 7
- Line No. 10: Line 8
- Line No. 11: Projected Wholesale Load divided by Projected Retail Load, rounded to five decimal places
- Line No. 12: Schedule CG-2, Exhibit 5
- Line No. 13: (Line 11 x Line 12) ÷ 1000, Rounded After 5 Decimal Places
- Line No. 14: Schedule 3, Page 1, Line 8, Column (b)
- Line No. 15: Schedule 4, Page 1, Line 6, Column (b)
- Line No. 16: Schedule CG-2 Exhibit 11, Section 5, Line 5
- Line No. 17: Sum of Lines 13 through Line 16
- Line No. 18: Line 10 x Line 13
- Line No. 19: Line 18, Column (g) ÷ Line 10, Column (g), Rounded After 5 Decimal Places
- Line No. 20: Line 10 x Line 17
- Line No. 21: Line 20, Column (g) ÷ Line 10, Column (g), Rounded After 5 Decimal Places

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Supply Services Solicitations
Energy Service Rates Summary Effective August 1, 2024 Through January 31, 2025 - Small Customer Group (Rates D, D-10, G-3, M, T, and V)**

Line No.		August	September	October	November	December	January	Total
		(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	Section 1: Percentage of Residential and Small C&I kWhs Attributable to Energy Service							
2	September 2023 Residential and Small C&I Energy Service kWhs	17,860,431						
3	September 2023 Total Residential and Small C&I kWhs	<u>30,199,461</u>						
4	Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Small C&I kWhs	59.14%						
5	Section 2: Projected Residential and Small C&I Default Service kWhs, August 2024 - January 2025							
6	Projected Total Company Residential and Small C&I kWhs	37,417,714	30,920,932	29,920,016	31,941,659	37,802,221	39,375,254	207,377,797
7	Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Small C&I kWhs	<u>59.14%</u>	<u>59.14%</u>	<u>59.14%</u>	<u>59.14%</u>	<u>59.14%</u>	<u>59.14%</u>	
8	Projected Residential and Small C&I Energy Service kWhs	22,129,418	18,287,120	17,695,163	18,890,794	22,356,822	23,287,138	122,646,455
9	Section 3: Residential and Small C&I Default Service Load Weighting for August 2024 - January 2025							
10	Projected Residential and Small C&I Energy Service kWhs	22,129,418	18,287,120	17,695,163	18,890,794	22,356,822	23,287,138	122,646,455
11	Loss Factor							
12	Wholesale Contract Price (\$/MWh)							
13	Base Residential and Small C&I Energy Service Rate (\$/kWh)	\$0.08716	\$0.07181	\$0.06518	\$0.08254	\$0.12068	\$0.16539	
14	Energy Service Reconciliation Adjustment Factor (\$/kWh)	(\$0.00345)	(\$0.00345)	(\$0.00345)	(\$0.00345)	(\$0.00345)	(\$0.00345)	
15	Energy Service Cost Reclassification Adjustment Factor (\$/kWh)	\$0.00246	\$0.00246	\$0.00246	\$0.00246	\$0.00246	\$0.00246	
16	<u>Proposed Renewable Portfolio Standard Adder (\$/kWh)</u>	<u>\$0.00880</u>	<u>\$0.00880</u>	<u>\$0.00880</u>	<u>\$0.00880</u>	<u>\$0.00880</u>	<u>\$0.00880</u>	
17	Total Estimated Residential and Small C&I Energy Service Price per kWh	\$0.09497	\$0.07962	\$0.07299	\$0.09035	\$0.12849	\$0.17320	
18	Projected Residential and Small C&I Energy Service Base Cost, August 2024 - January 2025	<u>\$1,928,800</u>	<u>\$1,313,198</u>	<u>\$1,153,371</u>	<u>\$1,559,246</u>	<u>\$2,698,021</u>	<u>\$3,851,460</u>	<u>\$12,504,096</u>
19	Weighted Average Base Residential and Small C&I Energy Service Charge for August 2024 - January 2025							\$0.10195
20	Projected Residential and Small C&I Energy Service Cost, August 2024 - January 2025	<u>\$2,101,631</u>	<u>\$1,456,021</u>	<u>\$1,291,570</u>	<u>\$1,706,783</u>	<u>\$2,872,628</u>	<u>\$4,033,332</u>	<u>\$13,461,965</u>
21	Weighted Average Residential and Small C&I Energy Service Charge for August 2024 - January 2025							<u>\$0.10976</u>

Reference:

- Line No. 2: Per Customer Migration Report - Q1 2024 (Rates D, D-10, G-3, M (Streetlights), T, and V)
- Line No. 3: Per Customer Migration Report- Q1 2024 (Energy Service Plus Competitive Supply - Rates D, D-10, G-3, M (Streetlights), T, and V)
- Line No. 4: Line 2 ÷ Line 3
- Line No. 6: Schedule 4 P9, Column (c)
- Line No. 7: Line 4
- Line No. 8: Line 6 x Line 7
- Line No. 10: Line 8
- Line No. 11: Projected Wholesale Load divided by Projected Retail Load, rounded to five decimal places
- Line No. 12: Schedule CG-9 - Weighted Small Customer Group Rate
- Line No. 13: (Line 11 x Line 12) ÷ 1000, Rounded After 5 Decimal Places
- Line No. 14: Schedule 3, Page 1, Line 8, Column (c)
- Line No. 15: Schedule 4, Page 1, Line 6, Column (c)
- Line No. 16: Schedule CG-2 Exhibit 11, Section 5, Line 5
- Line No. 17: Sum of Lines 13 through Line 16
- Line No. 18: Line 10 x Line 13
- Line No. 19: Line 18, Column (g) ÷ Line 10, Column (g), Rounded After 5 Decimal Places
- Line No. 20: Line 10 x Line 17
- Line No. 21: Line 20, Column (g) ÷ Line 10, Column (g), Rounded After 5 Decimal Places

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
Calculation of Energy Service Adjustment Factors Effective August 1, 2024 - July 31, 2025

Line No.	Description	Large Customer Group	Small Customer Group	Combined
	(a)	(b)	(c)	(d) = (b) + (c)
1	Beginning Balance	\$ 775,223	\$ 2,377,371	\$ 3,152,593
2	Base Energy Service (Over)/Under Collection	(2,943,783)	(3,799,944)	(6,743,727)
3	RPS (Over)/Under Collection	(199,015)	(610,164)	(809,179)
4	Energy Service Adjustment Factor (Over)/Under Collection	1,548,703	1,067,961	2,616,664
5	Interest	(16,352)	135,280	118,928
6	Total (Over)/Under Collection	\$ (835,224)	\$ (829,497)	\$ (1,664,721)
7	Estimated Energy Service kWh Deliveries	75,258,494	240,750,649	316,009,143
8	Energy Service Adjustment Factor per kWh	\$ (0.01110)	\$ (0.00345)	

Reference:

Line No. 1: For Large Customer Group - Schedule 3 P2-1, Column (a), Beginning Balance. For Small Customer Group - Schedule 3 P2-2, Column (a), Beginning Balance.

Line No. 2: For Large Customer Group - Schedule 3 P2-1, Line 13, Column (d) - Column (f). For Small Customer Group - Schedule 3 P2-2, Line 13, Column (d) - Column (f).

Line No. 3: For Large Customer Group - Schedule 3 P2-1, Line 13, Column (c) - Column (e). For Small Customer Group - Schedule 3 P2-2, Line 13, Column (c) - Column (e).

Line No. 4: For Large Customer Group - Schedule 3 P2-1, Line 13, Column (b). For Small Customer Group - Schedule 3 P2-2, Line 13, Column (b).

Line No. 5: For Large Customer Group - Schedule 3 P2-1, Line 13 Column (j). For Small Customer Group - Schedule 3 P2-2, Line 13 Column (j).

Line No. 6: Sum of Lines 1 through Line 5

Line No. 7: Per Company Forecast - For Large Customer Group - Schedule 4 P9, Column (b), Line 13. For Small Customer Group - Schedule 4 P9, Column (d), Line 13.

Line No. 8: Line (6) ÷ Line (7), Rounded After 5 Decimal Places

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
Reconciliation of Energy Service Adjustment Factors for Large and Small Customer Groups (August 1, 2023 - July 31, 2024)**

Line No.	Month	Beginning (Over)/Under Balance	Energy Service Adjustment Factor Revenue	RPS Revenue	Base Energy Service Revenue	RPS Expense	Base Energy Service Expense	Ending (Over)/Under Balance	Balance Subject to Interest	Effective Interest Rate	Interest	Cumulative Interest
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h) = [(a) + (g)] ÷ 2	(i)	(j) = [(h) x (i)] ÷ 12	(k)
1	Aug-23	\$ 3,152,593	\$ (321,199)	\$ 284,750	\$ 3,907,729	\$ 505,050	\$ 2,190,748	\$ 1,977,112	\$ 2,564,853	8.25%	\$ 17,633	\$ 17,633
2	Sep-23	1,994,745	(234,718)	231,759	2,603,565	-	1,884,850	1,278,990	1,636,867	8.25%	11,253	28,887
3	Oct-23	1,290,243	(124,196)	153,667	2,648,028	-	1,481,750	94,494	692,369	8.50%	4,904	33,791
4	Nov-23	99,398	(242,244)	205,393	3,104,818	87,440	1,832,448	(1,048,681)	(474,641)	8.50%	(3,362)	30,429
5	Dec-23	(1,052,043)	(214,111)	207,266	3,589,116	-	4,441,636	(192,678)	(622,361)	8.50%	(4,408)	26,021
6	Jan-24	(197,086)	(220,877)	235,224	4,207,533	108,583	4,809,255	498,872	150,893	8.50%	1,069	27,089
7	Feb-24	499,940	(234,192)	231,640	2,864,439	-	5,493,086	3,131,139	1,815,540	8.50%	12,860	39,950
8	Mar-24	3,143,999	(234,898)	217,861	2,453,590	-	2,441,881	3,149,327	3,146,663	8.50%	22,289	62,238
9	Apr-24	3,171,616	(199,085)	201,725	1,723,191	79,268	1,590,443	3,115,496	3,143,556	8.50%	22,267	84,505
10	May-24	3,137,763	(175,741)	173,779	1,908,321	974,768	1,465,730	3,671,900	3,404,832	8.50%	24,118	108,623
* 11	Jun-24	3,696,018	(189,221)	182,650	4,963,651	-	1,690,760	429,698	2,062,858	8.50%	14,612	123,235
* 12	Jul-24	\$ 444,310	\$ (226,183)	\$ 238,573	\$ 4,829,353	\$ -	\$ 2,737,019	\$ (1,660,414)	\$ (608,052)	8.50%	(4,307)	\$ 118,928
13	Totals		\$ (2,616,664)								\$ 118,928	
14	Total (Over)/Under Collection:							\$ (1,664,721)				

Reference:

Updated Column (a), Line 1: Per Company Financials- Cumulative Balance as of July 31, 2023 - Per Commodity Over/Under Source Tab - Natural Row 47. That Balance is then Subtracted by Schedule 4 P2, Column (a), Line 1. Corrected August 2023 Beginning (Over)/Under Balance

Column (a), Lines 2-12: Prior month Column (g) + Prior month Column (j)

Column (b): Sum of Schedule 3 P2-1, Column (b) + Schedule 3 P2-2, Column (b) - Actual kWh sales multiplied by the approved Energy Service Adjustment Factor

Column (c): Sum of Schedule 3 P2-1, Column (c) + Schedule 3 P2-2, Column (c) - Actual kWh sales multiplied by the approved RPS Factor

Column (d): Sum of Schedule 3 P2-1, Column (d) + Schedule 3 P2-2, Column (d) - Total Energy Revenue Minus the Sum of the Total Energy Service Adjustment Revenue, RPS Revenue, and Energy Service Cost Reclassification Factor

Column (e): Schedule 3 P2-1, Column (e) and Schedule 3 P2-2, Column (e) via Schedule 3 P4, Column (h) - Total RPS Expense

Column (f): Schedule 3 P2-1, Column (f) and Schedule 3 P2-2, Column (f) - Total Allocated Base Energy Service Expenses

Column (g): Column (a) - [Column (b) + Column (c) + Column (d)] + [Column (e) + Column (f)]

Column (i): Interest Rate on Customer Deposits

Column (k): Column (j) + Prior Month's Column (k)

Line No. 14: Line 12, Column (g) + Line 12, Column (j)

*Projection

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
Reconciliation of Energy Service Adjustment Factor for Large Customer Group (August 1, 2023 - July 31, 2024)

Line No.	Month	Beginning (Over)/Under Balance	Energy Service Adjustment Factor Revenue	RPS Revenue	Base Energy Service Revenue	RPS Expense	Base Energy Service Expense	Ending (Over)/Under Balance	Balance Subject to Interest	Effective Interest Rate	Interest	Cumulative Interest
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h) = [(a) + (g)] ÷ 2	(i)	(j) = [(h) x (i)] ÷ 12	(k)
1	Aug-23	\$ 775,223	\$ (211,495)	\$ 86,116	\$ 1,029,470	\$ 124,192	\$ 806,699	\$ 802,023	\$ 788,623	8.25%	\$ 5,422	\$ 5,422
2	Sep-23	807,444	(137,682)	56,061	325,619	-	344,126	907,572	857,508	8.25%	5,895	11,317
3	Oct-23	913,467	(50,737)	20,659	(162,704)	-	321,882	1,428,130	1,170,798	8.50%	8,293	19,610
4	Nov-23	1,436,423	(166,177)	67,663	1,276,653	21,501	84,963	364,748	900,586	8.50%	6,379	25,989
5	Dec-23	371,128	(128,547)	52,341	1,075,343	-	619,647	(8,363)	181,383	8.50%	1,285	27,274
6	Jan-24	(7,078)	(117,356)	47,785	1,322,429	26,701	414,331	(818,904)	(412,991)	8.50%	(2,925)	24,349
7	Feb-24	(821,830)	(137,087)	55,819	1,189,396	-	781,233	(1,148,724)	(985,277)	8.50%	(6,979)	17,370
8	Mar-24	(1,155,703)	(147,816)	60,187	889,712	-	747,343	(1,210,443)	(1,183,073)	8.50%	(8,380)	8,990
9	Apr-24	(1,218,823)	(113,110)	46,056	235,934	19,492	463,324	(904,887)	(1,061,855)	8.50%	(7,521)	1,468
10	May-24	(912,409)	(102,905)	41,901	381,293	239,695	319,690	(673,312)	(792,861)	8.50%	(5,616)	(4,148)
11	Jun-24	(678,928)	(113,976)	46,408	864,673	-	509,893	(966,141)	(822,534)	8.50%	(5,826)	(9,974)
12	Jul-24	\$ (971,967)	(121,815)	49,600	577,863	-	648,769	\$ (828,846)	\$ (900,406)	8.50%	(6,378)	\$ (16,352)
13	Totals		\$ (1,548,703)								\$ (16,352)	
14	Total (Over)/Under Collection:							\$ (835,224)				

Reference:

Column (a), Line 1: Schedule 3 P2, Column (a), Line 1 - Beginning (Over)/Under Balance x Allocation Factor for Large Customer Group

Column (a), Lines 2-12: Prior Month's Column (g) + Prior Month's Column (j)

Column (b): Schedule 3 P3-1, Column (d) - Actual Large Customer Group's kWh Sales Multiplied by the Approved Energy Service Adjustment Factor

Column (c): Schedule 3 P3-1, Column (f) - Actual kWh Sales Multiplied by the Approved RPS Factor

Column (d): Schedule 3 P3-1, Column (i) - Large Customer Group's Energy Revenue Minus the Sum of Large Customer Group's Energy Service Adjustment Revenue, RPS Revenue, and Energy Service Cost Reclassification Factor

Column (e): Schedule 3 P4, Column (f) - RPS Expenses Allocated to Large Customer Group

Column (f): Actual Base Energy Service Expenses Allocated to Large Customer Group

Column (g): Column (a) - [Column (b) + Column (c) + Column (d)] + [Column (e) + Column (f)]

Column (j): Interest Rate on Customer Deposits

Column (k): Column (j) + Prior Month's Column (k)

Line No. 14: Line 12, Column (g) + Line 12, Column (j)

*Projection

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
Reconciliation of Energy Service Adjustment Factor for Small Customer Group (August 1, 2023 - July 31, 2024)**

Line No.	Month	Beginning (Over)/Under Balance	Energy Service Adjustment Factor Revenue	RPS Revenue	Base Energy Service Revenue	RPS Expense	Base Energy Service Expense	Ending (Over)/Under Balance	Balance Subject to Interest	Effective Interest Rate	Interest	Cumulative Interest
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h) = [(a) + (g)] ÷ 2	(i)	(j) = [(h) x (i)] ÷ 12	(k)
1	Aug-23	\$ 2,377,371	\$ (109,704)	\$ 198,634	\$ 2,878,259	\$ 380,858	\$ 1,384,049	\$ 1,175,089	\$ 1,776,230	8.25%	\$ 12,212	\$ 12,212
2	Sep-23	1,187,301	(97,037)	175,698	2,277,945	-	1,540,724	371,418	779,359	8.25%	5,358	17,570
3	Oct-23	376,776	(73,459)	133,008	2,810,732	-	1,159,868	(1,333,636)	(478,430)	8.50%	(3,389)	14,181
4	Nov-23	(1,337,025)	(76,067)	137,730	1,828,165	65,939	1,747,485	(1,413,429)	(1,375,227)	8.50%	(9,741)	4,440
5	Dec-23	(1,423,171)	(85,564)	154,925	2,513,773	-	3,821,989	(184,316)	(803,743)	8.50%	(5,693)	(1,254)
6	Jan-24	(190,009)	(103,521)	187,439	2,885,104	81,882	4,394,924	1,317,776	563,884	8.50%	3,994	2,741
7	Feb-24	1,321,770	(97,105)	175,822	1,675,043	-	4,711,852	4,279,862	2,800,816	8.50%	19,839	22,580
8	Mar-24	4,299,702	(87,082)	157,674	1,563,877	-	1,694,538	4,359,771	4,329,736	8.50%	30,669	53,249
9	Apr-24	4,390,440	(85,975)	155,669	1,487,257	59,776	1,127,119	4,020,383	4,205,411	8.50%	29,788	83,037
10	May-24	4,050,172	(72,835)	131,879	1,527,028	735,072	1,146,040	4,345,213	4,197,692	8.50%	29,734	112,771
* 11	Jun-24	4,374,946	(75,245)	136,242	4,098,978	-	1,180,867	1,395,838	2,885,392	8.50%	20,438	133,209
* 12	Jul-24	\$ 1,416,277	(104,368)	188,973	4,251,489	-	2,088,250	\$ (831,567)	\$ 292,355	8.50%	2,071	\$ 135,280
13	Totals		\$ (1,067,961)	\$ 1,933,691	\$ 29,797,650	\$ 1,323,527	\$ 25,997,705				\$ 135,280	
14	Total (Over)/Under Collection:							\$ (829,497)				

Reference:

Column (a), Line 1: Schedule 3 P2, Column (a), Line 1 - Beginning (Over)/Under Balance x Allocation Factor for Small Customer Group

Column (a), Lines 2-12: Prior Month's Column (g) + Prior Month's Column (j)

Column (b): Schedule 3 P3-2, Column (d) - Actual Small Customer Group's kWh Sales Multiplied by the Approved Energy Service Adjustment Factor

Column (c): Schedule 3 P3-2, Column (f) - Actual kWh Sales Multiplied by the Approved RPS Factor

Column (d): Schedule 3 P3-2, Column (i) - Small Customer Group's Energy Revenue Minus the Sum of Small Customer Group's Energy Service Adjustment Revenue, RPS Revenue, and Energy Service Cost Reclassification Factor

Column (e): Schedule 3 P4, Column (f) - RPS Expenses Allocated to Small Customer Group

Column (f): Actual Base Energy Service Expenses Allocated to Small Customer Group

Column (g): Column (a) - [Column (b) + Column (c) + Column (d)] + [Column (e) + Column (f)]

Column (i): Interest Rate on Customer Deposits

Column (k): Column (j) + Prior Month's Column (k)

Line No. 14: Line 12, Column (g) + Line 12, Column (j)

*Projection

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
Base Energy Service Revenue for Large Customer Group (August 1, 2023 - July 31, 2024)**

Line No.	Month	Total Energy Service Revenue	Large ES (kWh)	Energy Service Adjustment Factor Revenue		RPS Revenue		Energy Service Cost Reclassification Adjustment Factor		Base Energy Service Revenue
				Rate (\$/kWh)	Revenue	Rate (\$/kWh)	Revenue	Rate (\$/kWh)	Revenue	
		(a)	(b)	(c)	(d) = (b) x (c)	(e)	(f) = (b) x (e)	(g)	(h) = (b) x (g)	(i) = (a) - (d) - (f) - (h)
1	Aug-23	\$ 900,246	10,119,370	\$ (0.02090)	\$ (211,495)	\$ 0.00851	\$ 86,116	\$ (0.00038)	\$ (3,845)	\$ 1,029,470
2	Sep-23	241,495	6,587,639	\$ (0.02090)	(137,682)	\$ 0.00851	56,061	\$ (0.00038)	(2,503)	325,619
3	Oct-23	(193,704)	2,427,591	\$ (0.02090)	(50,737)	\$ 0.00851	20,659	\$ (0.00038)	(922)	(162,704)
4	Nov-23	1,175,118	7,951,040	\$ (0.02090)	(166,177)	\$ 0.00851	67,663	\$ (0.00038)	(3,021)	1,276,653
5	Dec-23	996,800	6,150,581	\$ (0.02090)	(128,547)	\$ 0.00851	52,341	\$ (0.00038)	(2,337)	1,075,343
6	Jan-24	1,250,724	5,615,114	\$ (0.02090)	(117,356)	\$ 0.00851	47,785	\$ (0.00038)	(2,134)	1,322,429
7	Feb-24	1,105,635	6,559,190	\$ (0.02090)	(137,087)	\$ 0.00851	55,819	\$ (0.00038)	(2,492)	1,189,396
8	Mar-24	799,396	7,072,555	\$ (0.02090)	(147,816)	\$ 0.00851	60,187	\$ (0.00038)	(2,688)	889,712
9	Apr-24	166,823	5,411,982	\$ (0.02090)	(113,110)	\$ 0.00851	46,056	\$ (0.00038)	(2,057)	235,934
10	May-24	318,417	4,923,689	\$ (0.02090)	(102,905)	\$ 0.00851	41,901	\$ (0.00038)	(1,871)	381,293
* 11	Jun-24	795,033	5,453,401	\$ (0.02090)	(113,976)	\$ 0.00851	46,408	\$ (0.00038)	(2,072)	864,673
* 12	Jul-24	503,434	5,828,488	\$ (0.02090)	(121,815)	\$ 0.00851	49,600	\$ (0.00038)	(2,215)	577,863
13	Totals	\$ 8,059,418	74,100,640		\$ (1,548,703)		\$ 630,596		\$ (28,158)	\$ 9,005,683

Reference:

Column (a): Large Customer Group's Energy Service Revenues After Allocations of Previous Month's Reversals and Current Month Accruals Applied to Unbilled Commodity Revenue

Column (b): Per Company Records - Actual kWhs Delivered for Large Customer Group

Column (c): Current Energy Service Adjustment Factor - Approved in Order No. 26,854, dated June 30, 2023, in Docket DE 23-044. (Filed on June 23, 2023, Bates 75, Line 14, and Exhibit 7, Line 14, filed on June 28, 2023).

Column (e): Current RPS Adder - Approved in Order No. 26,854, dated June 30, 2023, in Docket DE 23-044. (Filed on June 23, 2023, Bates 75, Line 16, and Exhibit 7, Line 16, filed on June 28, 2023).

Column (g): Current Energy Service Cost Reclassification Adjustment Factor - Approved in Order No. 26,854, dated June 30, 2023, in Docket DE 23-044. (Filed on June 23, 2023, Bates 75, Line 15, and Exhibit 7, Line 15, filed on June 28, 2023).

** Projection*

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
Base Energy Service Revenue for Small Customer Group (August 1, 2023 - July 31, 2024)**

Line No.	Month	Total Energy Service Revenue	Small ES (kWh)	Energy Service Adjustment Factor Revenue		RPS Revenue		Energy Service Cost Reclassification Adjustment Factor		Base Energy Service Revenue
				Rate (\$/kWh)	Revenue	Rate (\$/kWh)	Revenue	Rate (\$/kWh)	Revenue	
		(a)	(b)	(c)	(d) = (b) x (c)	(e)	(f) = (b) x (e)	(g)	(h) = (b) x (g)	(i) = (a) - (d) - (f) - (h)
1	Aug-23	\$ 2,977,225	23,341,207	\$ (0.00470)	\$ (109,704)	\$ 0.00851	\$ 198,634	\$ 0.00043	\$ 10,037	\$ 2,878,259
2	Sep-23	2,365,485	20,646,108	\$ (0.00470)	(97,037)	\$ 0.00851	175,698	\$ 0.00043	8,878	2,277,945
3	Oct-23	2,877,001	15,629,584	\$ (0.00470)	(73,459)	\$ 0.00851	133,008	\$ 0.00043	6,721	2,810,732
4	Nov-23	1,896,787	16,184,433	\$ (0.00470)	(76,067)	\$ 0.00851	137,730	\$ 0.00043	6,959	1,828,165
5	Dec-23	2,590,962	18,205,012	\$ (0.00470)	(85,564)	\$ 0.00851	154,925	\$ 0.00043	7,828	2,513,773
6	Jan-24	2,978,493	22,025,753	\$ (0.00470)	(103,521)	\$ 0.00851	187,439	\$ 0.00043	9,471	2,885,104
7	Feb-24	1,762,644	20,660,604	\$ (0.00470)	(97,105)	\$ 0.00851	175,822	\$ 0.00043	8,884	1,675,043
8	Mar-24	1,642,436	18,528,039	\$ (0.00470)	(87,082)	\$ 0.00851	157,674	\$ 0.00043	7,967	1,563,877
9	Apr-24	1,564,817	18,292,515	\$ (0.00470)	(85,975)	\$ 0.00851	155,669	\$ 0.00043	7,866	1,487,257
10	May-24	1,592,735	15,496,906	\$ (0.00470)	(72,835)	\$ 0.00851	131,879	\$ 0.00043	6,664	1,527,028
* 11	Jun-24	4,166,859	16,009,583	\$ (0.00470)	(75,245)	\$ 0.00851	136,242	\$ 0.00043	6,884	4,098,978
* 12	Jul-24	4,345,642	22,205,976	\$ (0.00470)	(104,368)	\$ 0.00851	188,973	\$ 0.00043	9,549	4,251,489
13	Totals	\$ 30,761,087	227,225,720		\$ (1,067,961)		\$ 1,933,691		\$ 97,707	\$ 29,797,650

Reference:

Column (a): Small Customer Group's Energy Service Revenues After Allocations of Previous Month's Reversals and Current Month Accruals Applied to Unbilled Commodity Revenue

Column (b): Per Company Records - Actual kWhs Delivered for Small Customer Group

Column (c): Current Energy Service Adjustment Factor - Approved in Order No. 26,854, dated June 30, 2023, in Docket DE 23-044. (Filed on June 23, 2023, Bates 75, Line 14, and Exhibit 7, Line 14, filed on June 28, 2023).

Column (e): Current RPS Adder - Approved in Order No. 26,854, dated June 30, 2023, in Docket DE 23-044. (Filed on June 23, 2023, Bates 75, Line 16, and Exhibit 7, Line 16, filed on June 28, 2023).

Column (g): Current Energy Service Cost Reclassification Adjustment Factor - Approved in Order No. 26,854, dated June 30, 2023, in Docket DE 23-044. (Filed on June 23, 2023, Bates 75, Line 15, and Exhibit 7, Line 15, filed on June 28, 2023).

** Projection*

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
Energy Service Expense - RPS Allocations (August 1, 2023 - July 31, 2024)**

Line No.	Month	Large ES (kWh)	Small ES (kWh)	Total ES (kWh)	Allocation Factor		RPS Expense		
					Large	Small	Large	Small	Total
		(a)	(b)	(c) = (a) + (b)	(d)	(e)	(f) = (h) x (d)	(g) = (h) x (e)	(h)
1	Aug-23	10,119,370	23,341,207	33,460,577			\$124,192	\$ 380,858	\$ 505,050
2	Sep-23	6,587,639	20,646,108	27,233,747			-	-	-
3	Oct-23	2,427,591	15,629,584	18,057,175			-	-	-
4	Nov-23	7,951,040	16,184,433	24,135,473			21,501	65,939	87,440
5	Dec-23	6,150,581	18,205,012	24,355,593			-	-	-
6	Jan-24	5,615,114	22,025,753	27,640,867			26,701	81,882	108,583
7	Feb-24	6,559,190	20,660,604	27,219,794			-	-	-
8	Mar-24	7,072,555	18,528,039	25,600,594			-	-	-
9	Apr-24	5,411,982	18,292,515	23,704,497			19,492	59,776	79,268
10	May-24	4,923,689	15,496,906	20,420,595			239,695	735,072	974,768
* 11	Jun-24	5,453,401	16,009,583	21,462,984			-	-	-
* 12	Jul-24	5,828,488	22,205,976	28,034,464			-	-	-
13	Totals	74,100,640	227,225,720	301,326,360	24.59%	75.41%	\$431,581	\$ 1,323,527	\$ 1,755,109

Reference:

Column (a): Per Company Records - Actual kWhs Delivered for Large Customer Group

Column (b): Per Company Records - Actual kWhs Delivered for Small Customer Group

Column (d): Column (a) Line 13 ÷ Column (c) Line 13

Column (e): Column (b) Line 13 ÷ Column (c) Line 13

Column (h) - Per Company Records - Actual RPS Expenses

** Projection*

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Supply Services Solicitations
Energy Service Cost Reclassification Adjustment Factor Effective August 1, 2024 Through July 31, 2025

Line No.	Description	Large Customer Group	Small Customer Group	Combined
	(a)	(b)	(c)	(d) = (b) + (c)
1	ESCRAF Beginning (Over)/Under Balance	\$ 26,712	\$ 85,452	\$ 112,164
2	ESCRAF (Over)/Under Collection	242,731	478,098	720,828
3	Cumulative Interest	14,280	27,716	41,996
4	Total (Over)/Under Collection	\$ 283,723	\$ 591,266	\$ 874,989
5	Estimated Energy Service kWh Deliveries	75,258,494	240,750,649	316,009,143
6	Energy Service Cost Reclassification Adjustment Factor per kWh	\$ 0.00377	\$ 0.00246	

Reference:

Line No. 1: For Large Customer Group - Schedule 4 P2-1, Column (a), Beginning Balance. For Small Customer Group - Schedule 4 P2-2, Column (a), Beginning Balance.

Line No. 2: For Large Customer Group - Schedule 4 P2-1, Line 13, Column (c) - Line 13, Column (b). For Small Customer Group - Schedule 4 P2-2, Line 13, Column (c) - Line 13, Column (b).

Line No. 3: For Large Customer Group - Schedule 4 P2-1, Line 13, Column (h). For Small Customer Group - Schedule 4 P2-2, Line 13, Column (h).

Line No. 4 - Sum of Line 1 + Line 2 + Line 3

Line No. 5: Per Company Forecast - For Large Customer Group - Schedule 4 P9, Column (b), Line 13. For Small Customer Group - Schedule 4 P9, Column (d), Line 13.

Line No. 6: Line 4 ÷ Line 5, Rounded After 5 Decimal Places

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Supply Services Solicitations**

Reconciliation of Energy Service Cost Reclassification Adjustment Factor for Large and Small Customer Groups (August 1, 2023 - July 31, 2024)

Line No.	Month	Beginning (Over)/Under Balance	Revenue	Expense	Monthly (Over)/Under Balance	Ending (Over)/Under Balance	Balance Subject To Interest	Effective Interest Rate	Interest	Cumulative Interest
		(a)	(b)	(c)	(d) = (c) - (b)	(e) = (a) + (d)	(f) = [(a) + (e)] ÷ 2	(g)	(h) = [(f) x (g)] ÷ 12	(i) =
1	Aug-23	\$ 112,164	\$ 6,191	\$ 113,810	\$ 107,619	\$ 219,784	\$ 165,974	8.25%	\$ 1,141	\$ 1,141
2	Sep-23	220,925	6,375	58,408	52,034	272,958	246,941	8.25%	1,698	2,839
3	Oct-23	274,656	5,798	39,527	33,729	308,385	291,520	8.50%	2,065	4,904
4	Nov-23	310,450	3,938	48,124	44,186	354,636	332,543	8.50%	2,356	7,259
5	Dec-23	356,991	5,491	48,546	43,055	400,046	378,519	8.50%	2,681	9,940
6	Jan-24	402,727	7,337	78,844	71,506	474,234	438,481	8.50%	3,106	13,046
7	Feb-24	477,340	6,392	86,504	80,113	557,452	517,396	8.50%	3,665	16,711
8	Mar-24	561,117	5,279	65,865	60,586	621,703	591,410	8.50%	4,189	20,900
9	Apr-24	625,892	5,809	56,186	50,376	676,269	651,081	8.50%	4,612	25,512
10	May-24	680,881	4,793	64,854	60,062	740,942	710,911	8.50%	5,036	30,548
*	11	745,978	4,812	64,854	60,042	806,020	775,999	8.50%	5,497	36,044
*	12	\$ 811,517	7,334	64,854	\$ 57,520	\$ 869,037	\$ 840,277	8.50%	5,952	\$ 41,996
13	Totals				\$ 720,828				\$ 41,996	
14	Total (Over)/Under Collection:					\$ 874,989				

Reference:

Column (a), Line 1: Estimated Combined July 2024 Ending Balance - Approved in Order No. 26,854, dated June 30, 2023, in Docket DE 23-044. (Filed on June 23, 2023, Bates 85, Line 12, Column (e))

Column (a), Lines 2-12: Prior Month's Column (e) + Prior Month's Column (h)

Column (b): Sum of Schedule 4 P4-1, Column (b) + Schedule 4 P4-2, Column (b) - Actual kWh sales multiplied by the approved Energy Service Reclassification Adjustment Factor - Approved in Order No. 26,854, dated June 30, 2023, in Docket DE 23-044. (Filed on June 23, 2023, Bates 75, Line 14, and Exhibit 7, Line 14, filed on June 28, 2023.

Column (c): Sum of Schedule 4 P4-1, Column (c) + Schedule 4 P4-2, Column (c) - Total Expenses For ESCRAF

Column (g): Interest Rate on Customer Deposits

Column (i): Column (h) + Prior Month Column (i)

*Projection

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
Reconciliation of Energy Service Cost Reclassification Adjustment Factor for Large Customer Group (August 1, 2023 - July 31, 2024)

Line No.	Month	Beginning (Over)/Under Balance	Revenue	Expense	Monthly (Over)/Under Balance	Ending (Over)/Under Balance	Balance Subject To Interest	Effective Interest Rate	Interest	Cumulative Interest
		(a)	(b)	(c)	(d) = (c) - (b)	(e) = (a) + (d)	(f) = [(a) + (e)] ÷ 2	(g)	(h) = [(f) x (g)] ÷ 12	(i)
1	Aug-23	\$ 26,712	\$ (3,845)	\$ 46,369	\$ 50,215	\$ 76,927	\$ 51,820	8.25%	\$ 356	\$ 356
2	Sep-23	77,283	(2,503)	16,560	19,063	96,346	86,815	8.25%	597	953
3	Oct-23	96,943	(922)	9,653	10,576	107,519	102,231	8.50%	724	1,677
4	Nov-23	108,243	(3,021)	13,827	16,849	125,092	116,668	8.50%	826	2,504
5	Dec-23	125,918	(2,337)	13,750	16,087	142,005	133,962	8.50%	949	3,453
6	Jan-24	142,954	(2,134)	24,721	26,855	169,809	156,382	8.50%	1,108	4,560
7	Feb-24	170,917	(2,492)	18,879	21,372	192,288	181,602	8.50%	1,286	5,847
8	Mar-24	193,575	(2,688)	15,768	18,455	212,030	202,802	8.50%	1,437	7,283
9	Apr-24	213,466	(2,057)	12,728	14,785	228,251	220,859	8.50%	1,564	8,848
10	May-24	229,815	(1,871)	14,106	15,977	245,792	237,804	8.50%	1,684	10,532
* 11	Jun-24	247,476	(2,072)	14,106	16,178	263,654	255,565	8.50%	1,810	12,342
* 12	Jul-24	\$ 265,465	\$ (2,215)	14,106	16,320	281,785	273,625	8.50%	1,938	\$ 14,280
13	Totals				\$ 242,731				\$ 14,280	
14	Total (Over)/Under Collection:					\$ 283,723				

Reference:

Column (a), Line 1: Large Customer Group's Allocation Based on Percentage of Forecasted kWh Usage (See Schedule 4 P9).

Column (a), Lines 2-12: Prior Month's Column (e) + Prior Month's Column (h)

Column (b): Schedule 3 P3-1, Column (h) - Large Customer Group's Allocated ESCRAF Revenues

Column (c): Schedule 4 P4-1, Column (e) - Large Customer Group's Allocated Total Expenses For ESCRAF

Column (g): Interest Rate on Customer Deposits

Column (i): Column (h) + Prior Month Column (i)

**Projection*

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations**

Reconciliation of Energy Service Cost Reclassification Adjustment Factor for Small Customer Group (August 1, 2023 - July 31, 2024)

Line No.	Month	Beginning (Over)/Under Balance	Revenue	Expense	Monthly (Over)/Under Balance	Ending (Over)/Under Balance	Balance Subject To Interest	Effective Interest Rate	Interest	Cumulative Interest
		(a)	(b)	(c)	(d) = (c) - (b)	(e) = (a) + (d)	(f) = [(a) + (e)] ÷ 2	(g)	(h) = [(f) x (g)] ÷ 12	(i)
1	Aug-23	\$ 85,452	\$ 10,037	\$ 67,441	\$ 57,405	\$ 142,857	\$ 114,154	8.25%	\$ 785	\$ 785
2	Sep-23	143,641	8,878	41,848	32,970	176,612	160,127	8.25%	1,101	1,886
3	Oct-23	177,713	6,721	29,874	23,153	200,865	189,289	8.50%	1,341	3,226
4	Nov-23	202,206	6,959	34,297	27,338	229,544	215,875	8.50%	1,529	4,756
5	Dec-23	231,073	7,828	34,796	26,968	258,041	244,557	8.50%	1,732	6,488
6	Jan-24	259,773	9,471	54,123	44,652	304,425	282,099	8.50%	1,998	8,486
7	Feb-24	306,423	8,884	67,625	58,741	365,164	335,794	8.50%	2,379	10,865
8	Mar-24	367,543	7,967	50,098	42,131	409,673	388,608	8.50%	2,753	13,617
9	Apr-24	412,426	7,866	43,458	35,592	448,018	430,222	8.50%	3,047	16,665
10	May-24	451,065	6,664	50,749	44,085	495,150	473,108	8.50%	3,351	20,016
* 11	Jun-24	498,501	6,884	50,749	43,864	542,366	520,434	8.50%	3,686	23,702
* 12	Jul-24	\$ 546,052	\$ 9,549	50,749	\$ 41,200	\$ 587,252	\$ 566,652	8.50%	4,014	\$ 27,716
13	Totals				\$ 478,098				\$ 27,716	
14	Total (Over)/Under Collection:					\$ 591,266				

Reference:

Column (a), Line 1: Small Customer Group's Allocation Based on Percentage of Forecasted kWh Usage (See Schedule 4 P9).

Column (a), Lines 2-12: Prior Month's Column (e) + Prior Month's Column (h)

Column (b): Schedule 3 P3-2, Column (h) - Small Customer Group's Allocated ESCRAF Revenues

Column (c): Schedule 4 P4-2, Column (e) - Small Customer Group's Allocated Total Expenses For ESCRAF

Column (g): Interest Rate on Customer Deposits

Column (i): Column (h) + Prior Month Column (i)

*Projection

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
ESCRAF Expenses For Large and Small Customer Groups (August 1, 2023 - July 31, 2024)

Line No.	Month	Payroll and Other Admin Expenses	Bad Debt Expense	Cash Working Capital Expense	NHPUC Assessment	Total Expense
		(a)	(b)	(c)	(d)	(e) = (a) + (b) + (c) + (d)
1	Aug-23	\$ 79,565	\$ 815	\$ 33,430	\$ -	\$ 113,810
2	Sep-23	14,988	(10)	\$ 33,430	10,000	58,408
3	Oct-23	6,096	0	\$ 33,430	-	39,527
4	Nov-23	14,418	276	\$ 33,430	-	48,124
5	Dec-23	14,225	891	\$ 33,430	-	48,546
6	Jan-24	31,885	13,529	\$ 33,430	-	78,844
7	Feb-24	9,271	43,803	\$ 33,430	-	86,504
8	Mar-24	10,905	21,530	\$ 33,430	-	65,865
9	Apr-24	7,551	15,204	\$ 33,430	-	56,186
10	May-24	8,101	23,323	\$ 33,430	-	64,854
* 12	Jun-24	8,101	23,323	\$ 33,430	-	64,854
* 13	Jul-24	8,101	23,323	\$ 33,430	-	64,854
14	Totals	\$ 213,205	\$ 166,007	\$ 401,165	\$ 10,000	\$ 790,377

Reference:

Column (a): Per Company's Financials - Per Commodity Over/Under Collection Source Tab - Natural Row 38

Column (b): Commodity Over/Under Collection Source Tab - Natural Row 31

Column (c), Line 14: Schedule 4 P5, Line 7

Column (d): Per Company's Financials - Per Commodity Over/Under Collection Source Tab - Natural Row 39

**Projection based on previous period's costs*

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
ESCRAF Expenses for Large Customer Group (August 1, 2023 - July 31, 2024)**

Line No.	Month	Payroll and Other Admin Expenses	Bad Debt Expense	Cash Working Capital Expense	NHPUC Assessment	Total Expense
		(a)	(b)	(c)	(d)	(e) = (a) + (b) + (c) + (d)
1	Allocation:	50.00%		19.77%	24.59%	
2	Aug-23	\$ 39,783	\$ (24)	\$ 6,611	\$ -	\$ 46,369
3	Sep-23	7,494	(4)	6,611	2,459	16,560
4	Oct-23	3,048	(5)	6,611	-	9,653
5	Nov-23	7,209	8	6,611	-	13,827
6	Dec-23	7,112	27	6,611	-	13,750
7	Jan-24	15,942	2,168	6,611	-	24,721
8	Feb-24	4,635	7,633	6,611	-	18,879
9	Mar-24	5,453	3,704	6,611	-	15,768
10	Apr-24	3,775	2,342	6,611	-	12,728
12	May-24	4,050	3,445	6,611	-	14,106
*	13 Jun-24	4,050	3,445	6,611	-	14,106
*	14 Jul-24	4,050	3,445	6,611	-	14,106
15	Totals	\$ 106,603	\$ 26,182	\$ 79,329	\$ 2,459	\$ 214,572

Reference:

Column (a): Allocated Equally Between Large and Small Customer Groups

Updated *Column (b): Allocated Based on a Rolling 12 Month Bad Debt Percentage of Large Customer Group's Net Write Offs Divided by the Rolling 12 Month of the Total Electric Revenues. This Percentage is Then Multiplied By the Total Purchase Power Costs On Natural Line 26 of Commodity Over/Under Collection Source Tab*

Column (c): Allocated Based on Purchase Power Payments for Large Customer Group Per August 2023 Through May 2024 Actuals

Column (d): Allocated Based on 12-Month Historic Usage Assigned to Large Customer Group (See Schedule 3 Page 4, Column (d))

**Projection based on previous period's costs*

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
 Default Services Solicitations
 ESCRAF Expenses for Small Customer Group (August 1, 2023 - July 31, 2024)**

Line No.	Month	Payroll and Other Admin Expenses	Bad Debt Expense	Cash Working Capital Expense	NHPUC Assessment	Total Expense
		(a)	(b)	(c)	(d)	(e) = (a) + (b) + (c) + (d)
1	Allocation:	50%		80.23%	75.41%	
2	Aug-23	\$ 39,783	\$ 839	\$ 26,820	\$ -	\$ 67,441
3	Sep-23	7,494	(7)	26,820	7,541	41,848
4	Oct-23	3,048	6	26,820	-	29,874
5	Nov-23	7,209	269	26,820	-	34,297
6	Dec-23	7,112	864	26,820	-	34,796
7	Jan-24	15,942	11,361	26,820	-	54,123
8	Feb-24	4,635	36,170	26,820	-	67,625
9	Mar-24	5,453	17,825	26,820	-	50,098
10	Apr-24	3,775	12,862	26,820	-	43,458
12	May-24	4,050	19,878	26,820	-	50,749
* 13	Jun-24	4,050	19,878	26,820	-	50,749
* 14	Jul-24	4,050	19,878	26,820	-	50,749
15	Totals	\$ 106,603	\$ 139,825	\$ 321,836	\$ 7,541	\$ 575,805

Reference:

Column (a): Allocated Equally Between Large and Small Customer Groups

Updated *Column (b): Allocated Based on a Rolling 12 Month Bad Debt Percentage of Small Customer Group's Net Write Offs Divided by the Rolling 12 Month of the Total Electric Revenues. This Percentage is Then Multiplied By the Total Purchase Power Costs On Natural Line 26 of Commodity Over/Under Collection Source Tab*

Column (c): Allocated Based on Purchase Power Payments for Small Customer Group Per August 2023 Through May 2024 Actuals

Column (d): Allocated Based on 12-Month Historic Usage Assigned to Small Customer Group (See Schedule 3 Page 4, Column (d))

**Projection based on previous period's costs*

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
Working Capital Summary**

Line No.	Description	Days of Cost (a)	Annual Percent (b) = (a) ÷ 365	Customer Payment Lag % (c)	CWC % (d)	Expense (e)	Working Capital Requirement (f)
					(b) + (c)		
1	2023 Purchase Power Costs	(35.620)	-9.76%	18.77%	9.01%	\$ 59,470,282	\$ 5,358,272
2	Renewable Portfolio Standard	(219.904)	-60.25%	18.77%	-41.48%	\$ 2,564,287	\$ (1,063,666)
3	Working Capital Requirement						\$ 4,294,606
4	Capital Structure Post-tax						7.60%
5	Working Capital Impact - Post-tax						\$ 326,390
6	Capital Structure Pre-tax						9.34%
7	Working Capital Impact - Pre-tax						\$ 401,165

Reference:

Column (a) Line 1: Schedule 4, P6, Line 50
 Column (a) Line 2: Schedule 4, P7, Line 14
 Column (c): Schedule 4 P8, Line 18
 Column (e) Line 1: Schedule 4 P6, Line 49
 Column (e) Line 2: Schedule 4 P7, Line 13
 Column (f), Line No. 1 and Line No. 2: Column (d) x Column (e)
 Column (f), Line No. 3: Column (f), Line 1 + Column (f), Line 2
 Column (f), Line No. 4: Per Settlement Agreement Docket No. DE 19-064
 Column (f), Line No. 5: Line 3 x Line 4
 Column (f), Line No. 6: Per Settlement Agreement Docket No. DE 19-064
 Column (f), Line No. 7: Line 3 x Line 6

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
ESCRAF Expenses: Supplier Invoices

Line No.	Invoice Month	Expense Description	Invoice Amount	Mid-Point Service Period	Invoice Date	Due Date	Payment Date	Elapsed Days	% of Total Invoice Amount	Weighted Days
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h) = (g) - (d)	(i)	(j) = (h) x (i)
1	January 2023	Current Charge for January 2023	\$ 3,354,730.81	1/16/2023	2/7/2023	2/21/2023	2/27/2023	42	5.64%	2.37
2	January 2023	Current Charge for January 2023	\$ 9,929,379.13	1/16/2023	2/7/2023	2/21/2023	2/27/2023	42	16.70%	7.01
3	January 2023	Supplier Reallocation for September 2022	\$ 17,809.84	1/16/2023	2/7/2023	2/21/2023	2/27/2023	42	0.03%	0.01
4	January 2023	Supplier Reallocation for September 2022	\$ 112,810.68	1/16/2023	2/7/2023	2/21/2023	2/27/2023	42	0.19%	0.08
5	February 2023	Current Charge for February 2023	\$ -							
6	February 2023	Current Charge for February 2023	\$ 13,005,592.31	2/14/2023	3/10/2023	3/20/2023	3/17/2023	31	21.87%	6.78
7	February 2023	Supplier Reallocation for October 2022	\$ (433.14)	2/14/2023	3/10/2023	3/20/2023	3/17/2023	31	0.00%	(0.00)
8	February 2023	Supplier Reallocation for October 2022	\$ 130,232.37	2/14/2023	3/10/2023	3/20/2023	3/17/2023	31	0.22%	0.07
9	March 2023	Current Charge for March 2023	\$ -							
10	March 2023	Current Charge for March 2023	\$ 6,487,183.19	3/16/2023	4/10/2023	4/20/2023	4/12/2023	27	10.91%	2.95
11	March 2023	Supplier Reallocation for November 2022	\$ 84,365.10	3/16/2023	4/10/2023	4/20/2023	4/12/2023	27	0.14%	0.04
12	March 2023	Supplier Reallocation for November 2022	\$ 30,725.11	3/16/2023	4/10/2023	4/20/2023	4/12/2023	27	0.05%	0.01
13	April 2023	Current Charge for April 2023	\$ -							
14	April 2023	Current Charge for April 2023	\$ 3,881,004.69	4/15/2023	5/5/2023	5/22/2023	5/19/2023	34	6.53%	2.22
15	April 2023	Supplier Reallocation for December 2022	\$ 16,666.85	4/15/2023	5/5/2023	5/22/2023	5/19/2023	34	0.03%	0.01
16	April 2023	Supplier Reallocation for December 2022	\$ 298,401.72	4/15/2023	5/5/2023	5/22/2023	5/19/2023	34	0.50%	0.17
17	May 2023	Current Charge for May 2023	\$ 1,216,731.60	5/16/2023	6/16/2023	6/26/2023	6/23/2023	38	2.05%	0.78
18	May 2023	Current Charge for May 2023	\$ 2,307,777.69	5/16/2023	6/8/2023	6/20/2023	6/15/2023	30	3.88%	1.16
19	May 2023	Supplier Reallocation for January 2023	\$ 212,247.21	5/16/2023	6/8/2023	6/20/2023	6/15/2023	30	0.36%	0.11
20	May 2023	Supplier Reallocation for January 2023	\$ 590,315.43	5/16/2023	6/8/2023	6/20/2023	6/15/2023	30	0.99%	0.30
21	June 2023	Current Charge for June 2023	\$ 1,221,958.22	6/15/2023	7/10/2023	7/21/2023	7/20/2023	35	2.05%	0.72
22	June 2023	Current Charge for June 2023	\$ 2,360,434.96	6/15/2023	7/10/2023	7/20/2023	7/19/2023	34	3.97%	1.35
23	June 2023	Supplier Reallocation for February 2023	\$ -							
24	June 2023	Supplier Reallocation for February 2023	\$ (1,533,186.68)	6/15/2023	7/10/2023	7/20/2023	7/19/2023	34	-2.58%	(0.88)
25	July 2023	Current Charge for July 2023	\$ 1,319,542.93	7/16/2023	8/9/2023	8/21/2023	8/18/2023	33	2.22%	0.73
26	July 2023	Current Charge for July 2023	\$ 4,156,733.00	7/16/2023	8/10/2023	8/21/2023	8/18/2023	33	6.99%	2.31
27	July 2023	Supplier Reallocation for March 2023	\$ -							
28	July 2023	Supplier Reallocation for March 2023	\$ (749,587.54)	7/16/2023	8/10/2023	8/21/2023	8/18/2023	33	-1.26%	(0.42)
29	August 2023	Current Charge for August 2023	\$ 550,222.43	8/16/2023	9/7/2023	9/20/2023	9/21/2023	36	0.93%	0.33
30	August 2023	Current Charge for August 2023	\$ 2,133,419.41	8/16/2023	9/11/2023	9/20/2023	9/19/2023	34	3.59%	1.22
31	August 2023	Supplier Reallocation for April 2023	\$ -							
32	August 2023	Supplier Reallocation for April 2023	\$ 8,549.76	8/16/2023	9/7/2023	9/20/2023	9/19/2023	34	0.01%	0.00
33	September 2023	Current Charge for September 2023	\$ 352,882.00	9/15/2023	10/6/2023	10/20/2023	10/19/2023	34	0.59%	0.20
34	September 2023	Current Charge for September 2023	\$ 1,531,958.91	9/15/2023	10/10/2023	10/20/2023	10/19/2023	34	2.58%	0.88
35	September 2023	Supplier Refund for May 2023	\$ (560,691.49)				1/24/2024			
36	September 2023	Supplier Reallocation for May 2023	\$ 64,425.82	9/15/2023	10/6/2023	10/24/2023	10/19/2023	34	0.11%	0.04
37	October 2023	Current Charge for October 2023	\$ 321,843.09	10/16/2023	11/7/2023	11/20/2023	11/17/2023	32	0.54%	0.17
38	October 2023	Current Charge for October 2023	\$ 1,095,200.72	10/16/2023	11/10/2023	11/20/2023	11/17/2023	32	1.84%	0.59
39	October 2023	Supplier Refund for June 2023	\$ (602,901.77)				11/29/2023			
40	October 2023	Supplier Reallocation for June 2023	\$ 10,518.81	10/16/2023	11/10/2023	11/20/2023	11/17/2023	32	0.02%	0.01
41	November 2023	Current Charge for November 2023	\$ 687,868.27	11/15/2023	12/15/2023	12/29/2023	12/19/2023	34	1.16%	0.39
42	November 2023	Current Charge for November 2023	\$ 1,736,977.05	11/15/2023	12/15/2023	12/20/2023	12/19/2023	34	2.92%	0.99
43	November 2023	Supplier Refund for July 2023	\$ (587,878.40)				12/18/2023			
44	November 2023	Supplier Reallocation for July 2023	\$ 640,970.65	11/15/2023	12/15/2023	12/20/2023	12/19/2023	34	1.08%	0.37
45	December 2023	Current Charge for December 2023	\$ 1,207,373.63	12/16/2023	1/10/2024	1/31/2024	1/26/2024	41	2.03%	0.83
46	December 2023	Current Charge for December 2023	\$ 3,180,651.33	12/16/2023	1/10/2024	1/22/2024	1/19/2024	34	5.35%	1.82
47	December 2023	Supplier Refund for May 2023/Aug 2023	\$ (572,110.40)				1/24/2024			
48	December 2023	Supplier Reallocation for August 2023	\$ (180,433.53)	12/16/2023	1/10/2024	1/22/2024	1/19/2024	34	-0.30%	(0.10)
49		Total Invoice Amount	\$ 59,470,282							
50		Total of Weighted Days								35.620

Reference:

Column (a): Month in Which Obligation for Payment Occurred

Columns (b), (c), (e), (f): Per Invoices

Column (d): Midpoint of Applicable Service Period

Column (g): Date Paid by Company

Column (i): Column (c) ÷ Column (c), Line 26

Line No. 49: Sum of Column (c)

Line No. 50: Sum of Column (j)

*Line Nos. 35, 39, 43, and 47: Refunds from Suppliers and Excluded From Weighted Days Calculations

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
RPS Obligation Program Year 2023**

Line No.	Invoice Month	Obligation Amount	Mid-Point of Service Period	Due Date	Elapsed Days	% of Total Obligation Amount	Weighted Days
	(a)	(b)	(c)	(d)	(e) = (d) - (c)	(f)	(g) = (f) x (e)
1	Aug-23	\$ 284,750	8/16/2023	3/31/2024	228	11.10%	25.32
2	Sep-23	231,759	9/15/2023	3/31/2024	198	9.04%	17.90
3	Oct-23	153,667	10/16/2023	6/30/2024	258	5.99%	15.46
4	Nov-23	205,393	11/15/2023	6/30/2024	228	8.01%	18.26
5	Dec-23	207,266	12/16/2023	6/30/2024	197	8.08%	15.92
6	Jan-24	235,224	1/16/2024	9/30/2024	258	9.17%	23.67
7	Feb-24	231,640	2/14/2024	9/30/2024	229	9.03%	20.69
8	Mar-24	217,861	3/16/2024	9/30/2024	198	8.50%	16.82
9	Apr-24	201,725	4/15/2024	12/31/2024	260	7.87%	20.45
10	May-24	173,779	5/16/2024	12/31/2024	229	6.78%	15.52
11	Jun-24	182,650	6/15/2024	12/31/2024	199	7.12%	14.17
12	Jul-24	238,573	7/15/2024	12/31/2024	169	9.30%	15.72
13	Total Obligation Amount		\$	2,564,287			
14	Total Weighted Days			219.90			

Reference:

Column (a): Month in Which Obligation for Payment Occurred

Column (b): Schedule 3 P2, Column (c) - Current RPS Adder - Approved in Order No. 26,854, dated June 30, 2023, in Docket DE 23-044. (Filed on June 23, 2023, Bates 75, Line 16, and Exhibit 7, Line 16, filed on June 28, 2023).

Column (c): Midpoint of Applicable Service Period

Column (d): Date of Obligation for Payment

Column (e): Column (b) ÷ Column (b), Line 13

Line No. 13: Sum of Column (b)

Line No. 14: Sum of Column (g)

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
Revenue Lead/Lag Applied to Energy Service**

Line No.	Service Period		Monthly Customer Accounts Receivable	Monthly Sales	Days in Month	Average Daily Revenues		
						(a)	(b)	(c)
1	1/1/2023	1/31/2023	\$ 23,333,873	\$ 16,927,676	31	\$	546,054	
2	2/1/2023	2/28/2023	26,076,260	18,230,391	28		651,085	
3	3/1/2023	3/31/2023	23,456,481	15,116,564	31		487,631	
4	4/1/2023	4/30/2023	22,688,032	12,802,314	30		426,744	
5	5/1/2023	5/31/2023	21,692,717	10,287,823	31		331,865	
6	6/1/2023	6/30/2023	20,389,634	8,953,767	30		298,459	
7	7/1/2023	7/31/2023	20,546,517	12,269,824	31		395,801	
8	8/1/2023	8/31/2023	18,935,231	12,111,971	31		390,709	
9	9/1/2023	9/30/2023	17,289,640	9,887,748	30		329,592	
10	10/1/2023	10/31/2023	14,243,588	7,454,403	31		240,465	
11	11/1/2023	11/30/2023	14,568,389	8,873,599	30		295,787	
12	12/1/2023	12/31/2023	14,871,361	9,322,703	31		300,732	
13		Average	\$ 19,840,977			\$	391,244	
14	Service Lag							15.21
15	Collection Lag							50.71
16	Billing Lag							<u>2.59</u>
17	Total Average Days Lag							68.51
18	Customer Payment Lag - Annual Percent							18.77%

Reference:

Column (a): Accounts Receivable per General Ledger at End of Applicable Month

Column (b): Per Company Billing Data

Column (c): Number of Days in Applicable Service Period

Line No. 13: Averages of Column (a) and Column (d) Respectively

Line No. 14: Per Settlement Agreement Docket No. DE 19-064

Line No. 15: Column (a) Line 13 ÷ Column (d) Line 13

Line No. 16: Per Settlement Agreement Docket No. DE 19-064

Line No. 17: Line 14 + Line 15 + Line 16

Line No. 18: Line 17 ÷ 365 Days

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
 Default Services Solicitations
 Forecast for the Upcoming Period**

Line No.	Month	LCG Total Sales Volume	LCG Energy Service Sales Volume	SCG Total Sales Volume	SCG Energy Service Sales Volume
		(a)	(b)	(c)	(d)
1	Aug-24	51,543,022	7,221,561	37,417,714	22,129,418
2	Sep-24	46,582,562	6,526,564	30,920,932	18,287,120
3	Oct-24	44,471,766	6,230,826	29,920,016	17,695,163
4	Nov-24	41,070,933	5,754,344	31,941,659	18,890,794
5	Dec-24	42,297,776	5,926,234	37,802,221	22,356,822
6	Jan-25	42,535,035	5,959,475	39,375,254	23,287,138
7	Feb-25	39,385,495	5,518,201	34,285,123	20,276,755
8	Mar-25	42,692,020	5,981,470	34,175,912	20,212,166
9	Apr-25	41,343,026	5,792,466	29,364,175	17,366,430
10	May-25	45,084,626	6,316,692	29,811,775	17,631,148
11	Jun-25	47,661,998	6,677,801	33,256,511	19,668,418
12	Jul-25	52,480,151	7,352,860	38,803,980	22,949,277
13	Totals	537,148,409	75,258,494	407,075,274	240,750,649
14	Energy Service Allocation		23.82%		76.18%
15		14.01%		59.14%	

*Reference:
 Per Company Forecasts*

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
Residential (Rate D) Impact Analysis - July 1, 2024 vs. August 1, 2024**

Usage 650 kWh

Line No.	Description	July 1, 2024 Rates	August 1, 2024 Rates	July 1, 2024 Bill	August 1, 2024 Bill
	(a)	(b)	(c)	(d)	(e)
1	Customer Charge	\$14.74	\$14.74	\$14.74	\$14.74
2	Net Distribution Charge	\$0.06846	\$0.06846	\$44.50	\$44.50
3	Storm Recovery Adjustment	\$0.00000	\$0.00000	\$0.00	\$0.00
4	Net Transmission Charge	\$0.03809	\$0.03809	\$24.76	\$24.76
5	Stranded Cost Charge	(\$0.00037)	(\$0.00037)	(\$0.24)	(\$0.24)
6	System Benefits Charge	\$0.00727	\$0.00727	\$4.73	\$4.73
7	Electricity Consumption Tax	\$0.00000	\$0.00000	<u>\$0.00</u>	<u>\$0.00</u>
8	Subtotal Retail Delivery Services			\$88.48	\$88.48
9	Energy Service Charge	\$0.09758	\$0.10976	<u>\$63.43</u>	<u>\$71.34</u>
10			Total Bill	\$151.91	\$159.83
11			Monthly \$ increase in 650 kWh Total Residential Bill		\$7.92
12			Monthly % increase in 650 kWh Total Residential Bill		5.21%

Reference:

Line No. 2: Net Distribution Charge Equals the Sum of Distribution Charge + Revenue Decoupling Adjustment Mechanism + REP/VMP surcharges

Line No. 4: Net Transmission Charge Equals the Sum of Transmission Charge + Transmission Service Cost Adjustment + RGGI Auction Proceeds Refund + Property Tax Adjustment Mechanism

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Default Services Solicitations
Residential (Rate D) Impact Analysis - August 1, 2023 vs. August 1, 2024**

Usage 650 kWh

Line No.	Description	August 1, 2023	August 1, 2024	August 1, 2023	August 1, 2024
		Rates	Rates	Bill	Bill
	(a)	(b)	(c)	(d)	(e)
1	Customer Charge	\$14.74	\$14.74	\$14.74	\$14.74
2	Net Distribution Charge	\$0.07031	\$0.06846	\$45.70	\$44.50
3	Storm Recovery Adjustment	(\$0.00202)	\$0.00000	(\$1.31)	\$0.00
4	Net Transmission Charge	\$0.03334	\$0.03809	\$21.67	\$24.76
5	Stranded Cost Charge	(\$0.00031)	(\$0.00037)	(\$0.20)	(\$0.24)
6	System Benefits Charge	\$0.00700	\$0.00727	\$4.55	\$4.73
7	Electricity Consumption Tax	\$0.00000	\$0.00000	\$0.00	\$0.00
8	Subtotal Retail Delivery Services			\$85.15	\$88.48
9	Energy Service Charge	\$0.12612	\$0.10976	\$81.98	\$71.34
10			Total Bill	\$167.13	\$159.83
11	Yearly \$ increase in 650 kWh Total Residential Bill				-\$7.30
12	Yearly % increase in 650 kWh Total Residential Bill				-4.37%
13	Yearly \$ Energy Service increase in 650 kWh Residential Bill				-\$10.63
14	Yearly % Energy Service increase in 650 kWh Residential Bill				-12.97%

Reference:

Line No. 2: Net Distribution Charge Equals the Sum of Distribution Charge + Revenue Decoupling Adjustment Mechanism + REP/VMP surcharges

Line No. 4: Net Transmission Charge Equals the Sum of Transmission Charge + Transmission Service Cost Adjustment + RGGI Auction Proceeds Refund + Property Tax Adjustment Mechanism

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

~~Original~~ ~~First Revised~~ Page 25
~~Superseding Original~~ Page 25
Terms and Conditions

45. Energy Service Adjustment Provision

Energy Service shall be procured by the Company pursuant to a competitive bidding process or as otherwise directed by the Commission, and the rates for Energy Service shall be based on short-term market prices and include an estimate of administrative costs associated with the provision of Energy Service.

On an annual basis, the Company shall perform two reconciliations for Energy Service. In the first reconciliation, the Company shall reconcile its power supply cost of providing Energy Service with its Energy Service revenue associated with the recovery of power supply costs, and the excess or deficiency, including interest at the interest rate paid on customer deposits, shall be returned to, or recovered from, all Energy Service customers over the following 12 months through the Energy Service Adjustment Factor. In the second reconciliation, the Company shall reconcile its administrative cost of providing Energy Service with its Energy Service revenue associated with the recovery of administrative costs, and the excess or deficiency, including interest at the interest rate paid on customer deposits, shall be reflected in the subsequent year's Energy Service Cost Reclassification Adjustment Factor pursuant to the Energy Service Cost Reclassification Adjustment Provision. The Company may file to change the Energy Service Adjustment Factor at any time should significant over- or under- recoveries of Energy Service costs occur. For purposes of this reconciliation, Energy Service revenue shall mean all revenue collected from Energy Service customers through the Energy Service rate for the applicable 12 month reconciliation period together with payments or credits from suppliers for the provision of Energy Service. The power supply cost of providing Energy Service shall mean all payments to suppliers and the Independent System Operator associated with the provision of Energy Service.

Administrative costs of providing Energy Service shall mean all labor and consultant costs in arranging and administering Energy Service, any payments related to the cost of providing contract security, Energy Service-related working capital cost, and Energy Service-related bad debt cost.

Any adjustment to the Energy Service Adjustment Factor under the Company's applicable rates shall be in accordance with a notice filed with the Commission setting forth the amount of the increase or decrease and the new Energy Service Adjustment Factor. The notice shall further specify the effective date of such adjustment, which shall not be earlier than thirty days after the filing of the notice, or such other date as the Commission may authorize.

This provision is applicable to all Retail Delivery Service rates of the Company.

Issued: ~~July 1, 2020~~xx/xx/xxxx Issued by: /s/ Susan L. FleekNeil Proudman
~~Susan L. FleekNeil Proudman~~
Effective: ~~July 1, 2020~~ July 1, 2024 Title: President

Authorized by NHPUC Order No. ~~26,376~~26,984 in Docket No. DE ~~19-06423-044~~, dated ~~June 30, 2020~~March 29, 2024

Large Customer Group

G-1, G-2, EV-L, and EV-M

iii. Small Customer Group Energy Service Charges

Rate Effective August 1, 2024 – January 31, 2025 per kWh 10.976¢

iv. Large Customer Group Energy Service Charges

	August 2024	September 2024	October 2024	November 2024	December 2024	January 2025
Rate ¢/kWh	9.324¢	7.858¢	7.008¢	8.629¢	13.537¢	18.651¢

v. Switching to a Competitive Supplier or Self-Supply

1. On Next Meter Read Date

The Company will normally switch a Customer to a Competitive Supplier or self-supply upon request of a Customer as of the next Tariffed meter read, provided that notice of the change to a Competitive Supplier or self-supply was received by the Company not less than two business days before that next Tariffed meter read date. There shall be no charge for switching from Energy Service to a Competitive Supplier or self-supply if such a notice is given.

2. Prior to the Next Tariffed Meter Read Date

If switching to a Competitive Supplier or self-supply before the next Tariffed meter read is requested, the Company at its sole discretion and upon agreement by the Customer to pay the applicable fee pursuant to the Off Cycle Meter Read Provision of this Tariff will terminate Energy Service with an un-tariffed meter read.

48. Optional Enhanced Metering Service Provision

Optional Enhanced Metering Service under this provision is available to a Customer receiving metered retail delivery service from the Company. Customers who currently receive unmetered retail delivery service must request metered retail delivery service from the company in accordance with the Company’s terms and conditions. The availability of these services will be subject to the Company’s ability to render such service.

Issued: June 20, 2024

Issued by: /s/ Neil Proudman
Neil Proudman

Effective: August 1, 2024

Title: President

Authorized by NHPUC Order No. xx,xxx in Docket No. DE 24-061, dated June xx, 2024.

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

Twenty-sixth Revised Page 123
Superseding Twenty-fifth Revised Page 123
Rate EV

Rate EV Plug In Electric Vehicle D-12

Availability

Retail Delivery Service under this rate is available for uses of a customer taking service under Rate D as a separately metered service. By choosing to participate in this Plug In Electric Vehicle rate, the Customer agrees to pay the following charges for a minimum of two years. The charging station shall be connected by means of an approved circuit to a separate electric vehicle charging meter. The rates for energy (kWh) based charges are seasonal with a winter period from November 1 to April 30 and a summer period from May 1 to October 31.

Character of Service

Service supplied under this rate will be single phase, 60 cycle, alternating current, normally three-wire service at a nominal voltage of 120/240 volts or three-wire 120/208 volts, whichever is available at the location.

Rates per Month

The rate per month will be the sum of the applicable Customer and Energy Charges subject to the adjustments in this tariff:

Rates for Retail Delivery Service Effective May 1, 2024, through October 31, 2024

Customer Charge	\$11.35 per month
<u>Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)</u>	
Distribution Charge Off Peak	4.420
Distribution Charge Mid Peak	6.504
Distribution Charge Critical Peak	11.787
Reliability Enhancement/Vegetation Management	0.000
<hr/>	
Total Distribution Charge Off Peak	4.420
Total Distribution Charge Mid Peak	6.504
Total Distribution Charge Critical Peak	11.787
Transmission Charge Off Peak	(0.294)
Transmission Charge Mid Peak	0.760
Transmission Charge Critical Peak	19.940
Energy Service Charge Off Peak	4.841
Energy Service Charge Mid Peak	7.202
Energy Service Charge Critical Peak	16.458
Stranded Cost Adjustment Factor	(0.037)
Storm Recovery Adjustment Factor	0.000

Off peak hours will be from 12AM to 8AM and 8PM to 12AM daily.
Mid peak hours will be from 8AM to 3PM daily Monday through Friday, except holidays.
Mid peak hours will be from 8AM to 8PM Saturday, Sunday, and holidays.
Critical peak hours will be from 3PM to 8PM daily Monday through Friday, except holidays.

Issued: June 20, 2024 Issued by: /s/ Neil Proudman
Effective: August 1, 2024 Title: Neil Proudman
 President

NHPUC NO. 21 – ELECTRICITY DELIVERY
LIBERTY UTILITIES

Twenty-sixth Revised Page 125
Superseding Twenty-fifth Revised Page 125
Rate D-11

Control Credits

The Company or Tesla will take control of and dispatch the Powerwall 2 battery equipment during predicted peak events. Customers who lease the Powerwall 2 battery equipment from the Company will be compensated in accordance with the Alternative Net Metering Tariff adopted by the Commission in Order No. 26,029 dated June 23, 2017, as described in Section 51 of this tariff, when the Company dispatches the Powerwall 2 battery equipment for predicted peak events.

Rates per Month

The rate per month will be the sum of the applicable Customer and Energy Charges subject to the adjustments in this tariff:

Rates for Retail Delivery Service Effective May 1, 2024, through October 31, 2024

Customer Charge \$14.74 per month

Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge Off Peak 4.420

Distribution Charge Mid Peak 6.504

Distribution Charge Critical Peak 11.787

Reliability Enhancement/Vegetation Management 0.000

Total Distribution Charge Off Peak 4.420

Total Distribution Charge Mid Peak 6.504

Total Distribution Charge Critical Peak 11.787

Transmission Charge Off Peak (0.294)

Transmission Charge Mid Peak 0.760

Transmission Charge Critical Peak 19.940

Energy Service Charge Off Peak 4.841

Energy Service Charge Mid Peak 7.202

Energy Service Charge Critical Peak 16.458

Stranded Cost Adjustment Factor (0.037)

Storm Recovery Adjustment Factor 0.000

Off peak hours will be from 12AM to 8AM and 8PM to 12AM daily.

Mid peak hours will be from 8AM to 3PM daily Monday through Friday, except holidays.

Mid peak hours will be from 8AM to 8PM Saturday, Sunday and holidays.

Critical peak hours will be from 3PM to 8PM daily Monday through Friday, except holidays.

Issued: June 20, 2024

Issued by: /s/ Neil Proudman

Neil Proudman

Effective: August 1, 2024

Title: President

RATES EFFECTIVE AUGUST 1, 2024 FOR USAGE ON AND AFTER AUGUST 1, 2024												
Rate	Blocks	Distribution Charge	Revenue Decoupling Adjustment Mechanism	REP/VMP	Net Distribution Charge	Transmission Charge	Stranded Cost Charge	Storm Recovery Adjustment Factor	System Benefits Charge	Total Delivery Service	Energy Service	Total Rate
D	Customer Charge	\$ 14.74			14.74					14.74		\$ 14.74
	All kWh	\$ 0.06565	0.00281	0.00000	0.06846	0.03809	(0.00037)	0.00000	0.00727	0.11345	0.10976	\$ 0.22321
Off Peak Water Heating Use 16 Hour Control ¹	All kWh	\$ 0.05668	0.00281	0.00000	0.05949	0.03809	(0.00037)	0.00000	0.00727	0.10448	0.10976	\$ 0.21424
Off Peak Water Heating Use 6 Hour Control ¹	All kWh	\$ 0.05773	0.00281	0.00000	0.06054	0.03809	(0.00037)	0.00000	0.00727	0.10553	0.10976	\$ 0.21529
Farm ¹	All kWh	\$ 0.06197	0.00281	0.00000	0.06478	0.03809	(0.00037)	0.00000	0.00727	0.10977	0.10976	\$ 0.21953
D-10	Customer Charge	\$ 14.74			14.74					14.74		\$ 14.74
	On Peak kWh	\$ 0.13957	0.00180	0.00000	0.14137	0.01813	(0.00038)	0.00000	0.00727	0.16639	0.10976	\$ 0.27615
	Off Peak kWh	\$ 0.00185	0.00180	0.00000	0.00365	0.01813	(0.00038)	0.00000	0.00727	0.02867	0.10976	\$ 0.13843
G-1	Customer Charge	\$ 488.17			488.17					488.17		\$ 488.17
	Demand Charge	\$ 10.34			10.34					10.34		\$ 10.34
	On Peak kWh	\$ 0.00660	0.00104	0.00000	0.00764	0.02672	(0.00036)	0.00000	0.00727	0.04127		
									Effective 8/1/24, usage on or after		0.09324	\$ 0.13451
									Effective 9/1/24, usage on or after		0.07858	\$ 0.11985
									Effective 10/1/24, usage on or after		0.07008	\$ 0.11135
									Effective 11/1/24, usage on or after		0.08629	\$ 0.12756
									Effective 12/1/24, usage on or after		0.13537	\$ 0.17664
									Effective 1/1/25, usage on or after		0.18651	\$ 0.22778
	Off Peak kWh	\$ 0.00193	0.00104	0.00000	0.00297	0.02672	(0.00036)	0.00000	0.00727	0.03660		
								Effective 8/1/24, usage on or after		0.09324	\$ 0.12984	
								Effective 9/1/24, usage on or after		0.07858	\$ 0.11518	
								Effective 10/1/24, usage on or after		0.07008	\$ 0.10668	
								Effective 11/1/24, usage on or after		0.08629	\$ 0.12289	
								Effective 12/1/24, usage on or after		0.13537	\$ 0.17197	
								Effective 1/1/25, usage on or after		0.18651	\$ 0.22311	
G-2	Customer Charge	\$ 81.34			81.34					81.34		\$ 81.34
	Demand Charge	\$ 10.37			10.37					10.37		\$ 10.37
	All kWh	\$ 0.00260	0.00151	0.00000	0.00411	0.02316	(0.00037)	0.00000	0.00727	0.03417		
									Effective 8/1/24, usage on or after		0.09324	\$ 0.12741
									Effective 9/1/24, usage on or after		0.07858	\$ 0.11275
									Effective 10/1/24, usage on or after		0.07008	\$ 0.10425
									Effective 11/1/24, usage on or after		0.08629	\$ 0.12046
								Effective 12/1/24, usage on or after		0.13537	\$ 0.16954	
								Effective 1/1/25, usage on or after		0.18651	\$ 0.22068	
G-3	Customer Charge	\$ 18.67			18.67					18.67		\$ 18.67
	All kWh	\$ 0.05924	0.00253	0.00000	0.06177	0.02726	(0.00037)	0.00000	0.00727	0.09593	0.10976	\$ 0.20569
T	Customer Charge	\$ 16.54			16.54					16.54		\$ 16.54
	All kWh	\$ 0.05317	0.00285	0.00000	0.05602	0.03106	(0.00037)	0.00000	0.00727	0.09398	0.10976	\$ 0.20374
V	Minimum Charge	\$ 18.67			18.67					18.67		\$ 18.67
	All kWh	\$ 0.06092	0.00291	0.00000	0.06383	0.02896	(0.00037)	0.00000	0.00727	0.09969	0.10976	\$ 0.20945
D-11	Customer Charge	\$ 14.74			14.74					14.74		\$ 14.74
	Monday through Friday Off Peak	\$ 0.04420	\$ 0.00000	0.00000	0.04420	(\$ 0.00294)	(0.00037)	0.00000	0.00727	0.04816	\$ 0.04841	\$ 0.09657
	Mid Peak	\$ 0.06504	\$ 0.00000	0.00000	0.06504	\$ 0.00760	(0.00037)	0.00000	0.00727	0.07954	\$ 0.07202	\$ 0.15156
	Critical Peak	\$ 0.11787	\$ 0.00000	0.00000	0.11787	\$ 0.19940	(0.00037)	0.00000	0.00727	0.32417	\$ 0.16458	\$ 0.48875
	Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a											

¹ Rate is a subset of Domestic Rate D

Issued: June 20, 2024

Issued by: /s/ Neil Proudman

Neil Proudman

Effective: August 1, 2024

Title: President

Authorized by NHPUC Order No. xx,xxx in Docket No. DE 24-061, dated June xx, 2024.

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

Thirtieth Revised Page 127
Superseding Twenty-ninth Revised Page 127
Summary of Rates

RATES EFFECTIVE AUGUST 1, 2024 FOR USAGE ON AND AFTER AUGUST 1, 2024													
Rate	Blocks	Distribution Charge	Revenue Decoupling Adjustment Factor	REP/ VMP	Net Distribution Charge	Transmission Charge	Stranded Cost Charge	Storm Recovery Adjustment Factor	System Benefits Charge	Total Delivery Service	Energy Service	Total Rate	
Rate EV	Customer Charge	\$11.35			\$11.35							\$11.35	
	Monday through Friday												
	Off Peak	\$0.04420	\$0.00000	\$0.00000	\$0.04420	(\$0.00294)	(\$0.00037)	\$0.00000	\$0.00727	\$0.04816	\$0.04841	\$0.09657	
	Mid Peak	\$0.06504	\$0.00000	\$0.00000	\$0.06504	\$0.00760	(\$0.00037)	\$0.00000	\$0.00727	\$0.07954	\$0.07202	\$0.15156	
	Critical Peak	\$0.11787	\$0.00000	\$0.00000	\$0.11787	\$0.19940	(\$0.00037)	\$0.00000	\$0.00727	\$0.32417	\$0.16458	\$0.48875	
Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a													
Rate EV-L	Customer Charge	\$488.17			\$488.17							\$488.17	
	Demand Charge	\$5.17			\$5.17							\$5.17	
	Monday through Friday												
	Off Peak	\$0.01273	\$0.00000	\$0.00000	\$0.01273	(\$0.00294)	(\$0.00036)	\$0.00000	\$0.00727	\$0.01670	\$0.06090	\$0.07760	
	Mid Peak	\$0.01905	\$0.00000	\$0.00000	\$0.01905	\$0.01168	(\$0.00036)	\$0.00000	\$0.00727	\$0.03764	\$0.08149	\$0.11913	
Critical Peak	\$0.01989	\$0.00000	\$0.00000	\$0.01989	\$0.15807	(\$0.00036)	\$0.00000	\$0.00727	\$0.18487	\$0.33198	\$0.51685		
Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a													
Rate EV-M	Customer Charge	\$81.34			\$81.34							\$81.34	
	Demand Charge	\$5.19			\$5.19							\$5.19	
	Monday through Friday												
	Off Peak	\$0.01932	\$0.00000	\$0.00000	\$0.01932	(\$0.00294)	(\$0.00037)	\$0.00000	\$0.00727	\$0.02328	\$0.05950	\$0.08278	
	Mid Peak	\$0.02309	\$0.00000	\$0.00000	\$0.02309	\$0.00956	(\$0.00037)	\$0.00000	\$0.00727	\$0.03955	\$0.07984	\$0.11939	
Critical Peak	\$0.02569	\$0.00000	\$0.00000	\$0.02569	\$0.14374	(\$0.00037)	\$0.00000	\$0.00727	\$0.17633	\$0.33060	\$0.50693		
Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a													
M	Luminaire Charge												
	HPS 4,000	\$9.54				\$9.54						\$9.54	
	HPS 9,600	\$11.04				\$11.04						\$11.04	
	HPS 27,500	\$18.34				\$18.34						\$18.34	
	HPS 50,000	\$22.82				\$22.82						\$22.82	
	HPS 9,600 (Post Top)	\$12.95				\$12.95						\$12.95	
	HPS 27,500 Flood	\$18.54				\$18.54						\$18.54	
	HPS 50,000 Flood	\$24.75				\$24.75						\$24.75	
	Incandescent 1,000	\$12.26				\$12.26						\$12.26	
	Mercury Vapor 4,000	\$8.46				\$8.46						\$8.46	
	Mercury Vapor 8,000	\$9.52				\$9.52						\$9.52	
	Mercury Vapor 22,000	\$17.02				\$17.02						\$17.02	
	Mercury Vapor 63,000	\$28.80				\$28.80						\$28.80	
	Mercury Vapor 22,000 Flood	\$19.48				\$19.48						\$19.48	
Mercury Vapor 63,000 Flood	\$37.78				\$37.78						\$37.78		
LED-1	Luminaire Charge												
	30 Watt Pole Top	\$6.18				\$6.18						\$6.18	
	50 Watt Pole Top	\$6.45				\$6.45						\$6.45	
	130 Watt Pole Top	\$9.96				\$9.96						\$9.96	
	190 Watt Pole Top	\$19.11				\$19.11						\$19.11	
	30 Watt URD	\$14.44				\$14.44						\$14.44	
	90 Watt Flood	\$9.80				\$9.80						\$9.80	
	130 Watt Flood	\$11.28				\$11.28						\$11.28	
	30 Watt Caretaker	\$5.54				\$5.54						\$5.54	
	Poles	Pole -Wood	\$10.83				\$10.83						\$10.83
Fiberglass - Direct Embedded		\$11.29				\$11.29						\$11.29	
Fiberglass w/Foundation <25 ft		\$19.05				\$19.05						\$19.05	
Fiberglass w/Foundation >=25 ft		\$31.84				\$31.84						\$31.84	
Metal Poles - Direct Embedded		\$22.70				\$22.70						\$22.70	
Metal Poles with Foundation		\$27.39				\$27.39						\$27.39	
M/LED-1/LED-2	All kWh	\$0.04556	\$0.00000	\$0.00000	\$0.04556	\$0.01958	(\$0.00036)	\$0.00000	\$0.00727	\$0.07205	\$0.10976	\$0.18181	

Issued: June 20, 2024
Effective: August 1, 2024

Issued by: Neil Proudman
Title: President

Authorized by NHPUC Order No. xx,xxx in Docket No. DE 24-061, dated June xx, 2024

REDACTED

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

Fifteenth Revised Page 129
Superseding Fourteenth Revised Page 129
Rate EV-L

Transmission Charge Mid Peak	1.168
Transmission Charge Critical Peak	15.807
Energy Service Charge Off Peak	6.090
Energy Service Charge Mid Peak	8.149
Energy Service Charge Critical Peak	33.198
Stranded Cost Adjustment Factor	(0.036)
Storm Recovery Adjustment Factor	0.000

Off peak hours will be from 12AM to 8AM and 8PM to 12AM daily.
Mid peak hours will be from 8AM to 3PM daily Monday through Friday, except holidays.
Mid peak hours will be from 8AM to 8PM Saturday, Sunday and holidays.
Critical peak hours will be from 3PM to 8PM daily Monday through Friday, except holidays.

Demand Charges Per Kilowatt

Distribution \$5.17

Demand

The Demand for each month under ordinary load conditions shall be the greatest of the following:

1. The greatest fifteen-minute peak during the peak hours which occurs during such month as measured in kilowatts,
2. 90% of the greatest fifteen-minute peak during the peak hours occurring during such month as measured in kilovolt-amperes where the Customer’s kilowatt Demand exceeds 75 kilowatts, or
3. 80% of the greatest Demand as so determined above during the preceding eleven months.

Any Demands established during the eleven (11) months prior to the application of this rate shall be considered as having been established under this rate.

Terms of Agreement

The term of the Service Agreement shall be one year, and shall continue thereafter until canceled by one month's notice to the Company by the Customer. The Customer will not be permitted to change from this rate to any other rate until the Customer has taken service under this rate for at least twelve months. However, upon payment by the Customer of a suitable termination charge, the Company may, at its option, waive this provision where a substantial hardship to the Customer would otherwise result.

Guarantees

When the estimated expenditure necessary to deliver electrical energy properly to a Customer's premises shall be of such an amount that the income to be derived from the delivery of such energy at the rate herein established, including the monthly minimum charge, will be insufficient to warrant such expenditure, the Company may require the Customer to guarantee a minimum annual payment for a term of years and/or to pay the whole or a part of the cost of extending, enlarging,

Issued: June 20, 2024
Effective: August 1, 2024
Issued by: /s/ Neil Proudman
Neil Proudman
Title: President

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

Fifteenth Revised Page 133
Superseding Fourteenth Revised Page 133
Rate EV-M

Rate EV-M Commercial Plug In Electric Vehicle Charging Station

Availability

Retail Delivery Service under this rate is available for separately metered electric vehicle charging stations. A Customer will take delivery service on this rate if the Company estimates that its average use will be no greater than 72 kW of Demand. If electricity is delivered through more than one meter, except at the Company's option, the charge for electricity delivered through each meter shall be computed separately under this rate. The rates for energy (kWh) based charges are seasonal with a winter period from November 1 to April 30 and a summer period from May 1 to October 31.

Character of Service

Service supplied under this rate will be 60 cycle, alternating current single-phase normally three-wire at a nominal voltage of 120/240 volts for loads less than 72 kilowatts. All voltages are not available in every area.

Rates per Month

The rate per month will be the sum of the applicable Customer, Demand and Energy Charges subject to the adjustments in this tariff:

Rates for Retail Delivery Service Effective May 1, 2024, through October 31, 2024

Customer Charge \$81.34 per month

Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge Off Peak	1.932
Distribution Charge Mid Peak	2.309
Distribution Charge Critical Peak	2.569
Reliability Enhancement/Vegetation Management	0.000
Total Distribution Charge Off Peak	1.932
Total Distribution Charge Mid Peak	2.309
Total Distribution Charge Critical Peak	2.569
Transmission Charge Off Peak	(0.294)
Transmission Charge Mid Peak	0.956
Transmission Charge Critical Peak	14.374
Energy Service Charge Off Peak	5.950
Energy Service Charge Mid Peak	7.984
Energy Service Charge Critical Peak	33.060
Stranded Cost Adjustment Factor	(0.037)
Storm Recovery Adjustment Factor	0.000

Issued: June 20, 2024

Issued by: /s/ Neil Proudman

Effective: August 1, 2024

Neil Proudman
Title: President

REDACTED

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

~~Ninth Tenth~~ Revised Page 27
Superseding ~~Eighth Ninth~~ Revised Page 27
Terms and Conditions

Large Customer Group

G-1, G-2, EV-L, and EV-M

iii. Small Customer Group Energy Service Charges

Rate Effective ~~February 1, 2024~~ August 1, 2024 – ~~July 31, 2024~~ January 31, 2025 -per kWh
76¢ 9.75810.9

iv. Large Customer Group Energy Service Charges

	February <u>August</u>	March <u>September</u>	April <u>October</u>	May <u>November</u>	June <u>December</u>	July <u>January</u>
	<u>st</u>	<u>er</u>	2024	2024	2024	202 <u>5</u>
Rate ¢/kWh	14.10 <u>19.324</u> ¢	8.67 <u>17.858</u> ¢	6.62 <u>97.008</u> ¢	5.93 <u>18.629</u> ¢	8.07 <u>13.537</u> ¢	9.854 <u>18.651</u> ¢

v. Switching to a Competitive Supplier or Self-Supply

1. On Next Meter Read Date

The Company will normally switch a Customer to a Competitive Supplier or self-supply upon request of a Customer as of the next Tariffed meter read, provided that notice of the change to a Competitive Supplier or self-supply was received by the Company not less than two business days before that next Tariffed meter read date. There shall be no charge for switching from Energy Service to a Competitive Supplier or self-supply if such a notice is given.

2. Prior to the Next Tariffed Meter Read Date

If switching to a Competitive Supplier or self-supply before the next Tariffed meter read is requested, the Company at its sole discretion and upon agreement by the Customer to pay the applicable fee pursuant to the Off Cycle Meter Read Provision of this Tariff will terminate Energy Service with an un-tariffed meter read.

48. Optional Enhanced Metering Service Provision

Optional Enhanced Metering Service under this provision is available to a Customer receiving metered retail delivery service from the Company. Customers who currently receive unmetered retail delivery service must request metered retail delivery service from the company in accordance with the Company's terms and conditions. The availability of these services will be subject to the Company's ability to render such service.

Issued: ~~January 3, 2024~~ June 20, 2024 Issued by: /s/ Neil Proudman
Neil Proudman
Effective: ~~February 1, 2024~~ August 1, 2024 Title: President

Authorized by NHPUC Order No. xx,xxx in Docket No. DE 24-061, dated June xx, 2024. Authorized by NHPUC Order No. 26,913 in Docket No. DE 23-044, dated December 15, 2023.

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

Twenty-~~fifth~~-sixth Revised Page 123
Superseding Twenty-~~fourth~~-fifth Revised Page 123
Rate EV

Rate EV Plug In Electric Vehicle D-12

Availability

Retail Delivery Service under this rate is available for uses of a customer taking service under Rate D as a separately metered service. By choosing to participate in this Plug In Electric Vehicle rate, the Customer agrees to pay the following charges for a minimum of two years. The charging station shall be connected by means of an approved circuit to a separate electric vehicle charging meter. The rates for energy (kWh) based charges are seasonal with a winter period from November 1 to April 30 and a summer period from May 1 to October 31.

Character of Service

Service supplied under this rate will be single phase, 60 cycle, alternating current, normally three-wire service at a nominal voltage of 120/240 volts or three-wire 120/208 volts, whichever is available at the location.

Rates per Month

The rate per month will be the sum of the applicable Customer and Energy Charges subject to the adjustments in this tariff:

Rates for Retail Delivery Service Effective May 1, 2024, through October 31, 2024

Customer Charge \$11.35 per month

Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge Off Peak	4.420
Distribution Charge Mid Peak	6.504
Distribution Charge Critical Peak	11.787
Reliability Enhancement/Vegetation Management	0.000
<hr/>	
Total Distribution Charge Off Peak	4.420
Total Distribution Charge Mid Peak	6.504
Total Distribution Charge Critical Peak	11.787
Transmission Charge Off Peak	(0.294)
Transmission Charge Mid Peak	0.760
Transmission Charge Critical Peak	19.940

Energy Service Charge Off Peak ~~6.05~~24.841

Energy Service Charge Mid Peak ~~8.25~~27.202

Energy Service Charge Critical Peak ~~11.96~~16.458

Stranded Cost Adjustment Factor (0.037)

Storm Recovery Adjustment Factor 0.000

Off peak hours will be from 12AM to 8AM and 8PM to 12AM daily.

Mid peak hours will be from 8AM to 3PM daily Monday through Friday, except holidays.

Mid peak hours will be from 8AM to 8PM Saturday, Sunday, and holidays.

Critical peak hours will be from 3PM to 8PM daily Monday through Friday, except holidays.

Issued: ~~May 29, 2024~~June 20, 2024

Issued by: _____ /s/ Neil Proudman

Neil Proudman

Effective: ~~June 1, 2024~~August 1, 2024

Title: President

Authorized by NHPUC Order No. xx,xxx in Docket No. DE 24-061, dated June xx, 2024.
~~Authorized by NHPUC Order No. 26,836 in Docket No. DE 22-035, dated May 31, 2023~~

NHPUC NO. 21 – ELECTRCITY DELIVERY
LIBERTY UTILITIES

Twenty-~~fifth-sixth~~ Revised Page 125
Superseding Twenty-~~fourth-fifth~~ Revised Page 125
Rate D-11

Control Credits

The Company or Tesla will take control of and dispatch the Powerwall 2 battery equipment during predicted peak events. Customers who lease the Powerwall 2 battery equipment from the Company will be compensated in accordance with the Alternative Net Metering Tariff adopted by the Commission in Order No. 26,029 dated June 23, 2017, as described in Section 51 of this tariff, when the Company dispatches the Powerwall 2 battery equipment for predicted peak events.

Rates per Month

The rate per month will be the sum of the applicable Customer and Energy Charges subject to the adjustments in this tariff:

Rates for Retail Delivery Service Effective May 1, 2024, through October 31, 2024

Customer Charge \$14.74 per month

Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge Off Peak 4.420

Distribution Charge Mid Peak 6.504

Distribution Charge Critical Peak 11.787

Reliability Enhancement/Vegetation Management 0.000

Total Distribution Charge Off Peak 4.420

Total Distribution Charge Mid Peak 6.504

Total Distribution Charge Critical Peak 11.787

Transmission Charge Off Peak (0.294)

Transmission Charge Mid Peak 0.760

Transmission Charge Critical Peak 19.940

Energy Service Charge Off Peak ~~6.05~~24.841

Energy Service Charge Mid Peak ~~8.25~~27.202

Energy Service Charge Critical Peak ~~11.96~~416.458

Stranded Cost Adjustment Factor (0.037)

Storm Recovery Adjustment Factor 0.000

Off peak hours will be from 12AM to 8AM and 8PM to 12AM daily.

Mid peak hours will be from 8AM to 3PM daily Monday through Friday, except holidays.

Mid peak hours will be from 8AM to 8PM Saturday, Sunday and holidays.

Critical peak hours will be from 3PM to 8PM daily Monday through Friday, except holidays.

Issued: ~~May 29, 2024~~June 20, 2024

Issued by: /s/ Neil Proudman

Neil Proudman

Effective: ~~June 1, 2024~~August 1, 2024

Title: President

Authorized by NHPUC Order No. xx,xxx in Docket No. DE 24-061, dated June xx, 2024. Authorized by NHPUC Order No. 26,836 in Docket No. DE 22-035, dated May 31, 2023

RATES EFFECTIVE JUNE 1, 2024															
RATES EFFECTIVE AUGUST 1, 2024															
FOR USAGE ON AND AFTER JUNE 1, 2024															
FOR USAGE ON AND AFTER AUGUST 1, 2024															
Rate	Blocks	Distribution Charge	Revenue Decoupling Adjustment Mechanism	REP/VMP	Net Distribution Charge	Transmission Charge	Stranded Cost Charge	Storm Recovery Adjustment Factor	System Benefits Charge	Total Delivery Service	Energy Service		Total Rate		
D	Customer Charge	\$ 14.74			14.74					14.74			\$ 14.74		
	All kWh	\$ 0.06565	0.00281	0.00000	0.06846	0.03809	(0.00037)	0.00000	0.00727	0.11345	0.10976	-0.09758	\$ 0.22321	\$ -0.21103	
Off Peak Water Heating Use 16 Hour Control ¹	All kWh	\$ 0.05668	0.00281	0.00000	0.05949	0.03809	(0.00037)	0.00000	0.00727	0.10448	0.10976	-0.09758	\$ 0.21424	\$ -0.20206	
Off Peak Water Heating Use 6 Hour Control ¹	All kWh	\$ 0.05773	0.00281	0.00000	0.06054	0.03809	(0.00037)	0.00000	0.00727	0.10553	0.10976	-0.09758	\$ 0.21529	\$ -0.20311	
Farm ¹	All kWh	\$ 0.06197	0.00281	0.00000	0.06478	0.03809	(0.00037)	0.00000	0.00727	0.10977	0.10976	-0.09758	\$ 0.21953	\$ -0.20735	
D-10	Customer Charge	\$ 14.74			14.74					14.74			\$ 14.74		
	On Peak kWh	\$ 0.13957	0.00180	0.00000	0.14137	0.01813	(0.00038)	0.00000	0.00727	0.16639	0.10976	-0.09758	\$ 0.27615	\$ -0.26397	
	Off Peak kWh	\$ 0.00185	0.00180	0.00000	0.00365	0.01813	(0.00038)	0.00000	0.00727	0.02867	0.10976	-0.09758	\$ 0.13843	\$ -0.12625	
G-1	Customer Charge	\$ 488.17			488.17					488.17			\$ 488.17		
	Demand Charge	\$ 10.34			10.34					10.34			\$ 10.34		
	On Peak kWh	\$ 0.00660	0.00104	0.00000	0.00764	0.02672	(0.00036)	0.00000	0.00727	0.04127					
											Effective 2/4/24 8/1/24, usage on or after	0.09324	\$ -0.14101	\$ 0.13451	\$ -0.18228
											Effective 3/4/24 9/1/24, usage on or after	0.07858	\$ -0.08671	\$ 0.11985	\$ -0.12798
											Effective 4/4/24 10/1/24, usage on or after	0.07008	\$ -0.06629	\$ 0.11135	\$ -0.10756
											Effective 5/4/24 11/1/24, usage on or after	0.08629	\$ -0.05931	\$ 0.12756	\$ -0.10058
											Effective 6/4/24 12/1/24, usage on or after	0.13537	\$ -0.08073	\$ 0.17664	\$ -0.12200
											Effective 7/4/24 1/1/25, usage on or after	0.18651	\$ -0.09854	\$ 0.22778	\$ -0.13981
	Off Peak kWh	\$ 0.00193	0.00104	0.00000	0.00297	0.02672	(0.00036)	0.00000	0.00727	0.03660					
										Effective 2/4/24 8/1/24, usage on or after	0.09324	\$ -0.14101	\$ 0.12984	\$ -0.17761	
										Effective 3/4/24 9/1/24, usage on or after	0.07858	\$ -0.08671	\$ 0.11518	\$ -0.12331	
										Effective 4/4/24 10/1/24, usage on or after	0.07008	\$ -0.06629	\$ 0.10668	\$ -0.10289	
										Effective 5/4/24 11/1/24, usage on or after	0.08629	\$ -0.05931	\$ 0.12289	\$ -0.09591	
										Effective 6/4/24 12/1/24, usage on or after	0.13537	\$ -0.08073	\$ 0.17197	\$ -0.11733	
										Effective 7/4/24 1/1/25, usage on or after	0.18651	\$ -0.09854	\$ 0.22311	\$ -0.13514	
G-2	Customer Charge	\$ 81.34			81.34					81.34			\$ 81.34		
	Demand Charge	\$ 10.37			10.37					10.37			\$ 10.37		
	All kWh	\$ 0.00260	0.00151	0.00000	0.00411	0.02316	(0.00037)	0.00000	0.00727	0.03417					
											Effective 2/4/24 8/1/24, usage on or after	0.09324	\$ -0.14101	\$ 0.12741	\$ -0.17518
											Effective 3/4/24 9/1/24, usage on or after	0.07858	\$ -0.08671	\$ 0.11275	\$ -0.12088
											Effective 4/4/24 10/1/24, usage on or after	0.07008	\$ -0.06629	\$ 0.10425	\$ -0.10046
											Effective 5/4/24 11/1/24, usage on or after	0.08629	\$ -0.05931	\$ 0.12046	\$ -0.09348
										Effective 6/4/24 12/1/24, usage on or after	0.13537	\$ -0.08073	\$ 0.16954	\$ -0.11490	
										Effective 7/4/24 1/1/25, usage on or after	0.18651	\$ -0.09854	\$ 0.22068	\$ -0.13271	
G-3	Customer Charge	\$ 18.67			18.67					18.67			\$ 18.67		
	All kWh	\$ 0.05924	0.00253	0.00000	0.06177	0.02726	(0.00037)	0.00000	0.00727	0.09593	0.10976	-0.09758	\$ 0.20569	\$ -0.19251	
T	Customer Charge	\$ 16.54			16.54					16.54			\$ 16.54		
	All kWh	\$ 0.05317	0.00285	0.00000	0.05602	0.03106	(0.00037)	0.00000	0.00727	0.09398	0.10976	-0.09758	\$ 0.20374	\$ -0.19156	
V	Minimum Charge	\$ 18.67			18.67					18.67			\$ 18.67		
	All kWh	\$ 0.06092	0.00291	0.00000	0.06383	0.02896	(0.00037)	0.00000	0.00727	0.09969	0.10976	-0.09758	\$ 0.20945	\$ -0.19727	
D-11	Customer Charge	\$14.74			\$14.74					\$14.74			\$ 14.74		
	Monday through Friday														
	Off Peak	\$0.04420	\$0.00000	0.00000	\$0.04420	(\$0.00294)	(0.00037)	0.00000	0.00727	\$0.04816	\$0.04841	-0.06052	\$0.09657	\$ -0.10868	
	Mid Peak	\$0.06504	\$0.00000	0.00000	\$0.06504	\$0.00760	(0.00037)	0.00000	0.00727	\$0.07954	\$0.07202	-0.08252	\$0.15156	\$ -0.16206	
	Critical Peak	\$0.11787	\$0.00000	0.00000	\$0.11787	\$0.19940	(0.00037)	0.00000	0.00727	\$0.32417	\$0.16458	-0.11964	\$0.48875	\$ -0.44381	
Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a															

¹ Rate is a subset of Domestic Rate D

Issued: May 29, 2024 June 20, 2024

Issued by: _____ /s/ Neil Proudman

Neil Proudman

Effective: June 1, 2024 August 1, 2024

Title: President

Authorized by NHPUC Order No. xx,xxx in Docket No. DE 24-061, dated June xx, 2024. Authorized by NHPUC Order No. 26,836 in Docket No. DE 22-035, dated May 31, 2023

RATES EFFECTIVE JUNE 1, 2024														
RATES EFFECTIVE AUGUST 1, 2024														
FOR USAGE ON AND AFTER JUNE 1, 2024														
FOR USAGE ON AND AFTER AUGUST 1, 2024														
Rate	Blocks	Distribution Charge	Revenue Decoupling Adjustment Factor	REP/ VMP	Net Distribution Charge	Transmission Charge	Stranded Cost Charge	Storm Recovery Adjustment Factor	System Benefits Charge	Total Delivery Service	Energy Service	Total Rate		
Rate EV	Customer Charge	\$11.35			\$11.35							\$11.35		
	Monday through Friday													
	Off Peak	\$0.04420	\$0.00000	\$0.00000	\$0.04420	(\$0.00294)	(\$0.00037)	\$0.00000	\$0.00727	\$0.04816	\$0.04841	\$0.06052	\$0.09657	\$0.10868
	Mid Peak	\$0.06504	\$0.00000	\$0.00000	\$0.06504	\$0.00760	(\$0.00037)	\$0.00000	\$0.00727	\$0.07954	\$0.07202	\$0.08252	\$0.15156	\$0.16206
	Critical Peak	\$0.11787	\$0.00000	\$0.00000	\$0.11787	\$0.19940	(\$0.00037)	\$0.00000	\$0.00727	\$0.32417	\$0.16458	\$0.11964	\$0.48875	\$0.44381
Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a														
Rate EV-L	Customer Charge	\$488.17			\$488.17							\$488.17		
	Demand Charge	\$5.17			\$5.17							\$5.17		
	Monday through Friday													
	Off Peak	\$0.01273	\$0.00000	\$0.00000	\$0.01273	(\$0.00294)	(\$0.00036)	\$0.00000	\$0.00727	\$0.01670	\$0.06090	\$0.06344	\$0.07760	\$0.08014
	Mid Peak	\$0.01905	\$0.00000	\$0.00000	\$0.01905	\$0.01168	(\$0.00036)	\$0.00000	\$0.00727	\$0.03764	\$0.08149	\$0.08489	\$0.11913	\$0.12253
Rate EV-M	Customer Charge	\$81.34			\$81.34							\$81.34		
	Demand Charge	\$5.19			\$5.19							\$5.19		
	Monday through Friday													
	Off Peak	\$0.01932	\$0.00000	\$0.00000	\$0.01932	(\$0.00294)	(\$0.00037)	\$0.00000	\$0.00727	\$0.02328	\$0.05950	\$0.06198	\$0.08278	\$0.08526
	Mid Peak	\$0.02309	\$0.00000	\$0.00000	\$0.02309	\$0.00956	(\$0.00037)	\$0.00000	\$0.00727	\$0.03955	\$0.07984	\$0.08317	\$0.11939	\$0.12272
M	Critical Peak	\$0.02569	\$0.00000	\$0.00000	\$0.02569	\$0.14374	(\$0.00037)	\$0.00000	\$0.00727	\$0.17633	\$0.33060	\$0.34439	\$0.50693	\$0.52072
	Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a													
	Luminaire Charge													
	HPS 4,000	\$9.54				\$9.54						\$9.54		
	HPS 9,600	\$11.04				\$11.04						\$11.04		
	HPS 27,500	\$18.34				\$18.34						\$18.34		
	HPS 50,000	\$22.82				\$22.82						\$22.82		
	HPS 9,600 (Post Top)	\$12.95				\$12.95						\$12.95		
	HPS 27,500 Flood	\$18.54				\$18.54						\$18.54		
	HPS 50,000 Flood	\$24.75				\$24.75						\$24.75		
	Incandescent 1,000	\$12.26				\$12.26						\$12.26		
	Mercury Vapor 4,000	\$8.46				\$8.46						\$8.46		
	Mercury Vapor 8,000	\$9.52				\$9.52						\$9.52		
	Mercury Vapor 22,000	\$17.02				\$17.02						\$17.02		
	Mercury Vapor 63,000	\$28.80				\$28.80						\$28.80		
	Mercury Vapor 22,000 Flood	\$19.48				\$19.48						\$19.48		
Mercury Vapor 63,000 Flood	\$37.78				\$37.78						\$37.78			
LED-1	Luminaire Charge													
	30 Watt Pole Top	\$6.18				\$6.18						\$6.18		
	50 Watt Pole Top	\$6.45				\$6.45						\$6.45		
	130 Watt Pole Top	\$9.96				\$9.96						\$9.96		
	190 Watt Pole Top	\$19.11				\$19.11						\$19.11		
	30 Watt URD	\$14.44				\$14.44						\$14.44		
	90 Watt Flood	\$9.80				\$9.80						\$9.80		
	130 Watt Flood	\$11.28				\$11.28						\$11.28		
30 Watt Caretaker	\$5.54				\$5.54						\$5.54			
Poles	Pole -Wood	\$10.83				\$10.83						\$10.83		
	Fiberglass - Direct Embedded	\$11.29				\$11.29						\$11.29		
	Fiberglass w/Foundation <25 ft	\$19.05				\$19.05						\$19.05		
	Fiberglass w/Foundation >=25 ft	\$31.84				\$31.84						\$31.84		
	Metal Poles - Direct Embedded	\$22.70				\$22.70						\$22.70		
	Metal Poles with Foundation	\$27.39				\$27.39						\$27.39		
M/LED-1/LED-2	All kWh	\$0.04556	\$0.00000	\$0.00000	\$0.04556	\$0.01958	(\$0.00036)	\$0.00000	\$0.00727	\$0.07205	\$0.10976	\$0.09758	\$0.18181	\$0.16963

Issued: May 29, 2024 June 20, 2024

Issued by: _____ /s/ Neil Proudman

Effective: June 1, 2024 August 1, 2024

Title: Neil Proudman
President

Authorized by NHPUC Order No. xx,xxx in Docket No. DE 24-061, dated June xx, 2024 Authorized by NHPUC Order No. 26,836 in Docket No. DE 22-035, dated May 31, 2023

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

REDACTED

Superseding ~~Thirteenth~~ ~~Fourteenth~~ ~~Fifteenth~~ Revised Page 129
Rate EV-L

Transmission Charge Mid Peak	1.168
Transmission Charge Critical Peak	15.807
Energy Service Charge Off Peak	6.3446.090
Energy Service Charge Mid Peak	8.4898.149
Energy Service Charge Critical Peak	34.58233.198
Stranded Cost Adjustment Factor	(0.036)
Storm Recovery Adjustment Factor	0.000

Off peak hours will be from 12AM to 8AM and 8PM to 12AM daily.
 Mid peak hours will be from 8AM to 3PM daily Monday through Friday, except holidays.
 Mid peak hours will be from 8AM to 8PM Saturday, Sunday and holidays.
 Critical peak hours will be from 3PM to 8PM daily Monday through Friday, except holidays.

Demand Charges Per Kilowatt

Distribution \$5.17

Demand

The Demand for each month under ordinary load conditions shall be the greatest of the following:

1. The greatest fifteen-minute peak during the peak hours which occurs during such month as measured in kilowatts,
2. 90% of the greatest fifteen-minute peak during the peak hours occurring during such month as measured in kilovolt-amperes where the Customer's kilowatt Demand exceeds 75 kilowatts, or
3. 80% of the greatest Demand as so determined above during the preceding eleven months.

Any Demands established during the eleven (11) months prior to the application of this rate shall be considered as having been established under this rate.

Terms of Agreement

The term of the Service Agreement shall be one year, and shall continue thereafter until canceled by one month's notice to the Company by the Customer. The Customer will not be permitted to change from this rate to any other rate until the Customer has taken service under this rate for at least twelve months. However, upon payment by the Customer of a suitable termination charge, the Company may, at its option, waive this provision where a substantial hardship to the Customer would otherwise result.

Guarantees

When the estimated expenditure necessary to deliver electrical energy properly to a Customer's premises shall be of such an amount that the income to be derived from the delivery of such energy at the rate herein established, including the monthly minimum charge, will be insufficient to warrant such expenditure, the Company may require the Customer to guarantee a minimum annual payment for a term of years and/or to pay the whole or a part of the cost of extending, enlarging,

Issued: ~~May 29, 2024~~ June 20, 2024 Issued by: _____ /s/ Neil Proudman
 Effective: ~~June 1, 2024~~ August 1, 2024 Title: Neil Proudman
 President

~~Authorized by NHPUC Order No. xx,xxx in Docket No. DE 24-061, dated June xx, 2024.~~ Authorized by NHPUC Order No. 26,836 in Docket No. DE 22-035, dated May 31, 2023

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

~~Fourteenth-Fifteenth~~ Revised Page 133
Superseding ~~Thirteenth-Fourteenth~~ Revised Page 133
Rate EV-M

Rate EV-M Commercial Plug In Electric Vehicle Charging Station

Availability

Retail Delivery Service under this rate is available for separately metered electric vehicle charging stations. A Customer will take delivery service on this rate if the Company estimates that its average use will be no greater than 72 kW of Demand. If electricity is delivered through more than one meter, except at the Company's option, the charge for electricity delivered through each meter shall be computed separately under this rate. The rates for energy (kWh) based charges are seasonal with a winter period from November 1 to April 30 and a summer period from May 1 to October 31.

Character of Service

Service supplied under this rate will be 60 cycle, alternating current single-phase normally three-wire at a nominal voltage of 120/240 volts for loads less than 72 kilowatts. All voltages are not available in every area.

Rates per Month

The rate per month will be the sum of the applicable Customer, Demand and Energy Charges subject to the adjustments in this tariff:

Rates for Retail Delivery Service Effective May 1, 2024, through October 31, 2024

Customer Charge \$81.34 per month

Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge Off Peak	1.932
Distribution Charge Mid Peak	2.309
Distribution Charge Critical Peak	2.569
Reliability Enhancement/Vegetation Management	0.000
Total Distribution Charge Off Peak	1.932
Total Distribution Charge Mid Peak	2.309
Total Distribution Charge Critical Peak	2.569

Transmission Charge Off Peak	(0.294)
Transmission Charge Mid Peak	0.956
Transmission Charge Critical Peak	14.374

Energy Service Charge Off Peak	6.1985.950
Energy Service Charge Mid Peak	8.3177.984
Energy Service Charge Critical Peak	34.43933.060

Stranded Cost Adjustment Factor	(0.037)
Storm Recovery Adjustment Factor	0.000

Issued: ~~May 29, 2024~~ June 20, 2024 Issued by: /s/ Neil Proudman

Neil Proudman

Effective: ~~June 1, 2024~~ August 1, 2024 Title: President