REDACTED

STATE OF NEW HAMPSHIRE
BEFORE THE
PUBLIC UTILITIES COMMISSION

Docket No. DE 23-044

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
2023 Energy Service Solicitation

DIRECT TESTIMONY

OF

ROBERT GARCIA

AND

JAMES M. KING

December 7, 2023

I. INTRODUCTION AND QUALIFICATIONS

Q. Please state your full name, business address, and position.

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

(JK) My name is James M. King. My business address is 15 Buttrick Road, Londonderry, New Hampshire. My title is Analyst II, Rates and Regulatory Affairs.

Q. By whom are you employed?

A. We are employed by Liberty Utilities Service Corp. ("LUSC"). LUSC provides local utility management, shared services, and support to Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty ("Liberty" or "the Company") and its regulated water, wastewater, natural gas, and electric utility affiliates.

Q. On whose behalf are you testifying?

A. We are testifying on behalf of Liberty Utilities (Granite State Electric).

Q. Mr. Garcia, please describe your educational and professional background and training

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

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

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

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

Q. Please describe your duties at LUSC.

A. As Manager of Rates and Regulatory Affairs, I am primarily responsible for rate administration and regulatory affairs for Liberty EnergyNorth and Liberty Utilities (Granite State Electric) Corp.

Q. Mr. Garcia, have you previously testified in regulatory proceedings before the New Hampshire Public Utilities Commission (the "Commission")?

A. Yes, I have testified before the New Hampshire Public Utilities Commission. Additionally, I have testified on several occasions before the Illinois Commerce Commission.

Q. Mr. King, please state your full name and business address and position.

A. My name is James M. King. My business address is 15 Buttrick Road, Londonderry, New Hampshire. I am an Analyst II for Rates and Regulatory Affairs for LUSC, which provides services to EnergyNorth and Granite State Electric.

Q. Please describe your professional and educational background.

A. I joined Liberty in September 2022. Prior to joining Liberty, I was employed by the Massachusetts Department of Public Utilities from 2014 through 2022. I held positions as an Economist III and Economist II in the Rates and Revenue Requirements Division where I was responsible for the review and analysis of base distribution rate cases, as well as other rate reconciliation mechanisms presented to the Department from Massachusetts' gas, electric, and water companies. I graduated from Franklin and Marshall College with a Bachelor of Social Science in Government and Economics.

Q. Have you previously testified in regulatory proceedings before the Commission?

A. Yes, I have testified on multiple occasions before this Commission.

II. OVERVIEW

Q. What are the purposes of your testimony?

A. The purposes of our testimony are: (1) to provide background on how the procurement process approved impacts the design of the Energy Service ("ES") rates; (2) to describe how the proposed ES rates are calculated and seek the necessary approvals to set a weighted-average fixed ES rate for the Small Customer Group and a monthly ES rate for the Large Customer Group, which will both be applicable for the period February 1, 2024 through July 31, 2024; to seek approval to update the time of use ("TOU") ES rates; and (3) to provide the resulting bill impacts for a typical residential (Rate D) customer using 650 kWh per month in Attachment RG/JMK-3.

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III. BACKGROUND

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

A. In 1996, the New Hampshire legislature passed RSA 374-F, which introduced competition for energy supply service and required utilities in the state to divest their ownership of generation assets. Prior thereto, the distribution utilities generally owned generation used to supply their customers and passed the costs of such investments on to their customers through regulated rates.

Q. Who provides energy to New Hampshire customers now?

A. Today, customers may choose a third-party supplier to provide the commodity portion of their service rather than automatically receive energy supply service from their electric utility. For customers who do not choose a third-party supplier, those customers are served by default by the electric utility under ES or so-called "default service" rates.

Q. When were the procedures by which the Company purchases energy on behalf of its default customers established by the Commission?

A. These procedures have evolved over time in a number of ways, through numerous proceedings, particularly with regard to the timing of procurements and the periods for which rates would be effective.

Q. Please explain.

A. From the time deregulation became effective in New Hampshire through 2014, the six-month periods for Liberty's default service rates began November 1 and May 1, but there were questions as to whether those time frames, and the energy solicitation process itself, were the most appropriate to achieve the goals of restructuring. Liberty raised those issues in Docket No. DE 14-211 (Petition for Alternate Plan for Procurement of Energy Services Requirements for all Customer Groups), and Liberty, Unitil, and the Office of the Consumer Advocate ("OCA") continued the discussion in Liberty's and Unitil's energy service filings in the fall of 2014. The OCA suggested that energy service customers may benefit from changing the term of energy service procurement from a 6-month block to a 12-month block to mitigate the price spikes that occur in the winter

months. The OCA also proposed that procuring power through a laddered portfolio could provide some rate stability.

Q. What are 6-month and 12-month blocks and how do they mitigate price spikes?

A. The blocks refer to the periods for which the Company procures power. The Company procures energy for six months at a time to allow for receiving bids with the latest pricing possible for that future six-month period in which those prices will serve our energy service customers. Utilizing a 12-month block would not allow for as timely pricing to be used in calculating rates for the energy to be delivered to our customers, especially in times when the procurement happens during severe price volatility periods.

Q. Is it necessary to mitigate price spikes in the summer as well?

A. Yes, summer pricing spikes just as winter pricing spikes, so moving the procurement periods alleviates summer pricing spikes as well.

Q. What was the result of DE 14-211?

A. The Commission opened Docket No. IR 14-338 (Review of Default Service Procurement Processes for Electric Distribution Utilities) to review the various approaches to energy service solicitations and directed Staff to conduct stakeholder discussions with electric distribution utilities, competitive energy suppliers, market participants, and customer representatives on different approaches to energy service solicitations. *See* Order No. 25,732 (Nov. 4, 2014).

Q. What are the most important ways the New Hampshire utilities' procurement practices changed as a result of that proceeding?

A. One result of the IR 14-338 investigation was that Liberty proposed to move its energy service periods to the six-month periods beginning February 1 and August 1, to divide the highest use winter months (January/February) and summer months (July/August) months, and to include an equal number of shoulder months in each procurement period. Futures prices for January/February and July/August periods tend to be closer together, particularly before the change. The Commission addressed this proposal in Docket No. DE 15-010 and approved the change in Order 25,806 (Sept. 2, 2015). The result of this change has been to lessen the volatility of rates between each period as compared to the previous practice.

Q. How else have the procurement practices of utilities in New Hampshire changed since deregulation was implemented?

A. Several earlier dockets and their resulting settlement agreements and orders refined how to make energy service solicitations, how to evaluate bids, and how best to conduct the entire procurement process. Those proceedings include the Settlement Agreement in Docket No. DE 05-126, dated November 18, 2005, which was approved by the Commission in Order No. 24,577 (Jan. 13, 2006), amended by Order No. 24,922 (Dec. 19, 2008) in Docket No. DE 08-011, amended by Order No. 25,601 (Nov. 27, 2013) in Docket No. DE 13-018, and further amended by Order No. 25,806 (Sept. 2, 2015) in Docket No. DE 15-010, as discussed above. Liberty followed those approved processes

in conducting the energy service solicitation that gives rise to the rates being proposed in this docket.

IV. PROPOSED ENERGY SERVICES RATES

Q. How are the bid prices converted into ES rates?

A. As further described in Mr. Doll and Mr. Green's testimony, the Company went out for bids for supply the Small Customer Group and Large Customer Group for the six-month period of February through July,2024. Those winning bids are initially translated into rates using the monthly bid prices (per MWh) multiplied by the load loss factor, which is calculated by Liberty's Energy Procurement group. The base energy service rate calculations are provided in Attachments RG/JMK-1 and Attachment RG/JMK-2, line 13.

Q. What rate classes comprise the Small Customer Group?

A. The Small Customer Group consists of the following rate classes: D (Domestic Service); D-10 (Domestic Service with Optional Peak Load Pricing); M (Outdoor Lighting); T (Limited Total Electrical Living Rate); V (Limited Commercial Space Heating); G-3 (General Service); D-11 (Battery Storage Pilot Time-of-Use); and D-12 (Residential EV Charging Time-of-Use).

Q. What rate classes comprise the Large Customer Group?

A. The Large Customer Group consists of the following rate classes: G-1 (General Service Time-Of-Use), G-2 (General Long-Hour Service), EV-L (Large Commercial EV Charging), and EV-M (Medium Commercial EV Charging).

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

A. Yes. Three adjustments are made to the base service rates to derive the ES rates: (1) a Renewable Portfolio Standard ("RPS") adder, which reflets the cost of compliance with RPS obligations under RSA 362-F:3 for the period August 2023 through July 2024; (2) the Energy Service Reconciliation Factor, which reconciles energy supply expenses and applicable revenues, including those for RPS, for the historic period August 2022 through July 2023; and (3) the Energy Service Cost Reclassification Factor, which reconciles the administrative and general expense, bad debt expense, cash working capital expense associated with the ES offering, and NHPUC assessments, and revenues for the historic period August 2022 through July 2023.

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

A. No. The RPS adder and two reconciling factors are the same as those that were approved by the Commission in Order No. 26,854 on June 30, 2023. The RPS adder and reconciling factors are only updated once a year at the time of the August rate change. Accordingly, we expect to propose new factors when the Company next proposes rates for August 2024, which it will do around May 2024.

Q. Do the results of these adjustments establish the ES rates for Liberty's default customers?

A. The ES rates charged to rate classes within the Large Customer Group reflect the monthly base energy service rates calculated for the six-month period, plus the RPS adder and two reconciling factors. However, for rate stability and simplicity, the Small Customer Group's monthly base energy service rates are load-weighted to derive a single, average rate for the six-month period. Thus, six monthly ES rates are applicable to default supply customers in the Large Customer Group, while default customers in the Small Customer Group are charged the same ES rate during the six-month period.

Q. What ES rate do you propose for the Small Customer Group?

A. The proposed rate for the Small Customer Group is $0.09758 per kWh.

Q. What ES rates do you propose for the Large Customer Group?

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

Table 1

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

February	March	April	May	June	July
$0.14101	$ 0.08671	$0.06629	$ 0.05931	$ 0.08073	$ 0.09854

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

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

Table 2
EV-L Commercial EV TOU Charging Rate

Period	Critical Peak	Mid Peak	Off Peak
Winter (Feb 2024-Apr 2024)	$ 0.10407	$ 0.08393	$ 0.08091
Summer (May 2024- Jul 2024)	$ 0.34589	$ 0.08634	$ 0.06739

Table 3
EV-M Commercial EV TOU Charging Rate

Period	Critical Peak	Mid Peak	Off Peak
Winter (Feb 2024-Apr 2024)	$ 0.10401	$ 0.08378	$ 0.08099
Summer (May 2024- Jul 2024)	$ 0.34439	$ 0.08480	$ 0.06677

With respect to the distribution rate revisions filed for EV-L and EV-M on November 1 and 2, 2023 in Docket 20-170, Liberty indicated that it had discovered errors in this approved model impacting the distribution rate updates. However, we do not believe those errors impact the calculation of these supply rates.

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

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

Period	Critical Peak	Mid-Peak	Off-Peak
Winter (Feb 2024–Apr 2024)	$ 0.15197	$ 0.14643	$ 0.12896
Summer (May 2024–Jul 2024)	$0.16314	$0.07796	$0.04675

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

Q. Have you provided workpapers that show your calculations?

A. Yes, please see Attachments RG/JMK-1 and RG/JMK-2 for the workpapers supporting the non-time-of-use rate calculations. The workpapers for the time-of-use rates contain thousands of lines of data and, as such, filing the model as an attachment is not feasible, but can be provided in a live excel version for review purposes.

Attachment RG/JMK-1 provides the calculation of the total monthly ES rates for the Large Customer class including (i) the forecasted cost of Energy Service and (ii) the RPS adder and two reconciling factors that were approved by the Commission in Order No. 26,854 on June 30, 2023., The monthly rates for the six-month period are calculated on Line 17.

Attachment RG/JMK-2 provides the calculation of the total monthly ES rates for the Small Customer class including (i) the forecasted cost of Energy Service and (ii) the RPS adder and two reconciling factors that were approved by the Commission in Order No. 26,854 on June 30, 2023. The weighted average fixed rate for the six-month period is calculated on Line 21.

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

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

total annual cost at LMP) , which are in turn applied to the bid prices to develop critical peak, mid-peak and off-peak rates)

V. .BILL IMPACTS

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

A. Yes. As shown in Attachment RG/JMK-3, Page 1, for a residential customer taking Energy Service and using 650 kWh per month, the total bill impact of the proposed rate in this filing, as compared to current rates, is a bill decrease of $18.38 per month, or 11 percent, from $167.13 to $148.75. The proposed February 1, 2024, rates include the approved change in the system benefits charge rate for effect on January 1, 2024, per Order No. 26,908 (November 20, 2023). The Energy Service rate component alone as compared to current rates, amounts to bill decrease of $18.55 per month, or 23 percent.

Attachment RG/JMK-3, Page 2, compares actual historical rates in effect on February 1, 2023, to proposed rates effective February 1, 2024. For a residential customer taking Energy Service and using 650 kWh per month, the total bill impact of the proposed rate in this filing, as compared to rates effective on February 1, 2023, is a bill decrease of $76.78 per month, or 34 percent, from $225.53 to $148.75. The proposed February 1, 2024, rates include approved change in the system benefits charge effective on January 1, 2024, per Order No. 26,908 (November 30, 2023). The Energy Service rate component alone as compared to ES rates effective on February 1, 2023, amounts to a bill decrease of $79.62 per month, or 56 percent.

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

A. Yes. Updated tariff pages have been provided as Attachment RG/JMK-4.

Q. Does the Company have comments on the recent letter of non-compliance regarding TOU tariffs?

A. Yes. On November 1 and November 2, 2023, the Company filed a compliance tariff and cover letter regarding its seasonal time of use rates. The cover letter stated that the Company had discovered an error in the model that generates the EV-L and EV-M rates and that the Company elected to file the incorrect rates on the grounds that they resulted from the model approved by the Commission in Order No. 26,604 and that it did not have the authority to file any other rates. On December 4, 2023, the Company received a letter of non-compliance regarding its seasonal time of use rates compliance tariff filing submitted on November 1 and November 2, 2023. As discussed briefly earlier in the testimony, this issue, in regards to the models, does not affect the calculation of Energy Service rates. The Company requests an extension to file compliance tariff pages to January 16, 2024, to allow time to work with parties to review the proposed corrections to the EV-L and EV-M models and avoid any further letters of non-compliance.

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

A. Yes. In order to lock in the RFP results and make effective the contracts executed with the winning bidders, Liberty is seeking approval of the proposed ES rates by December 15, 2023.

Q. Does this conclude your testimony?

A. Yes, it does.

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Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Large Customer Group Rates G-1 and G-2
Energy Service Rates Summary
February 2024 - July 2024

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	7,028,481						
3	September 2023 Total Medium and Large C&I kWhs	48,833,310						
4	Percentage of Medium and Large C&I Energy Service kWhs to Total Medium and Large C&I kWhs	14.39%						
5	Section 2: Projected Medium and Large C&I Default Service kWhs, February 2024 - July 2024	February	March	April	May	June	July	Total
		(a)	(b)	(c)	(d)	(e)	(f)	(g)
6	Projected Total Company Medium and Large kWhs	38,064,100	41,406,680	40,150,171	43,857,300	46,429,199	51,686,212	261,593,661
7	Percentage of Medium and Large C&I Energy Service kWhs to Total Medium and Large C&I kWhs	14.39%	14.39%	14.39%	14.39%	14.39%	14.39%	
8	Projected Medium and Large C&I Energy Service kWhs	5,478,490	5,959,581	5,778,734	6,312,294	6,682,462	7,439,094	37,650,654
9	Section 3: Medium and Large C&I Default Service Load Weighting for February 2024 - July 2024							
10	Projected Medium and Large C&I Energy Service kWhs	5,478,490	5,959,581	5,778,734	6,312,294	6,682,462	7,439,094	37,650,654
11	Loss Factor	[redacted]						
12	Wholesale Contract Price ($/MWh)							
13	Base Energy Service Rate ($/kWh)	$0.15378	$0.09948	$0.07906	$0.07208	$0.09350	$0.11131	
14	Energy Service Reconciliation Adjustment Factor ($/kWh)	($0.02090)	($0.02090)	($0.02090)	($0.02090)	($0.02090)	($0.02090)	
15	Energy Service Cost Reclassification Adjustment Factor ($/kWh)	($0.00038)	($0.00038)	($0.00038)	($0.00038)	($0.00038)	($0.00038)	
16	Renewable Portfolio Standard Adder ($/kWh)	$0.00851	$0.00851	$0.00851	$0.00851	$0.00851	$0.00851	
17	Total Estimated Medium and Large C&I Energy Service Price per kWh	$0.14101	$0.08671	$0.06629	$0.05931	$0.08073	$0.09854	
18	Projected Medium and Large C&I Base Default Service Cost, February 2024 - July 2024	$ 842,482	$ 592,859	$ 456,867	$ 454,990	$ 624,810	$ 828,046	$ 3,800,054
19	Weighted Average Medium and Large C&I Base Default Service Charge for February 2024 - July 2024							$ 0.10092
20	Projected Medium and Large C&I Default Service Cost, February 2024 - July 2024	$ 772,522	$ 516,755	$ 383,072	$ 374,382	$ 539,475	$ 733,048	$ 3,319,255
21	Weighted Average Medium and Large C&I Default Service Charge for February 2024 - July 2024							$ 0.08815

[Line No.] Source Information
[2] Per Monthly Energy Service Revenue Reports (Rates G-1 and G-2)
[3] Per Monthly Total Revenue Reports (Rates G-1 and G-2)
[4] Line (2) ÷ Line (3)
[6] DE 23-044 (6/23/23) Schedule TJC/JMK-4 P9 (Bates 095)
[7] Line (4)
[8] Line (6) x Line (7)
[10] Line (8)
[11] Projected Wholesale Load divided by Projected Retail Load, rounded to five decimal places
[12] Schedule AJD/CG/MH-2 Exhibit 5
[13] Line (11) x Line (12) / 1000, truncated to five decimal places
[14] DE 23-044 (6/23/23) Schedule TJC/JMK-3 Page 1, Line 8 (Bates 077)
[15] DE 23-044 (6/23/23) Schedule TJC/JMK-4 Page 1, Line 6 (Bates 084)
[16] DE 23-044 (6/23/23) Schedule CG/JDW-2 Exhibit 11 (Bates 054)
[17] Line (13) + Line (14) + Line (15) + Line (16)
[18] Line (10) x Line (13)
[19] Line (18) total ÷ Line (10) total, truncated after 5 decimal places
[20] Line (10) x Line (17)
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Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Small Customer Group (Rates D, D-10, G-3, M, T and V)
Energy Service Rates Summary
February 2024 - July 2024

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	20,164,492						
3	September 2023 Total Residential and Small C&I kWhs	33,328,002						
4	Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Small C&I kWhs	60.50%						
5	Section 2: Projected Residential and Small C&I Default Service kWhs, February 2024 - July 2024	February	March	April	May	June	July	Total
		(a)	(b)	(c)	(d)	(e)	(f)	(g)
6	Projected Total Company Residential and Small C&I kWhs	34,596,653	34,036,049	29,247,035	29,682,341	33,107,446	38,616,734	199,286,258
7	Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Small C&I kWhs	60.50%	60.50%	60.50%	60.50%	60.50%	60.50%	
8	Projected Residential and Small C&I Energy Service kWhs	20,932,066	20,592,883	17,695,379	17,958,752	20,031,049	23,364,342	120,574,470
9	Section 3: Residential and Small C&I Default Service Load Weighting for February 2024 - July 2024							
10	Projected Residential and Small C&I Energy Service kWhs	20,932,066	20,592,883	17,695,379	17,958,752	20,031,049	23,364,342	120,574,470
11	Loss Factor							
12	Wholesale Contract Price ($/MWh)							
13	Base Residential and Small C&I Energy Service Rate ($/kWh)	$0.14804	$0.09279	$0.07319	$0.07103	$0.07376	$0.09404	
14	Energy Service Reconciliation Adjustment Factor ($/kWh)	($0.00470)	($0.00470)	($0.00470)	($0.00470)	($0.00470)	($0.00470)	
15	Energy Service Cost Reclassification Adjustment Factor ($/kWh)	$0.00043	$0.00043	$0.00043	$0.00043	$0.00043	$0.00043	
16	Proposed Renewable Portfolio Standard Adder ($/kWh)	$0.00851	$0.00851	$0.00851	$0.00851	$0.00851	$0.00851	
17	Total Estimated Residential and Small C&I Energy Service Price per kWh	$0.15228	$0.09703	$0.07743	$0.07527	$0.07800	$0.09828	
18	Projected Residential and Small C&I Energy Service Base Cost, February 2024 - July 2024	$3,098,783	$1,910,814	$1,295,125	$1,275,610	$1,477,490	$2,197,183	$11,255,004
19	Weighted Average Base Residential and Small C&I Energy Service Charge for February 2024 - July 2024							$0.09334
20	Projected Residential and Small C&I Energy Service Cost, February 2024 - July 2024	$3,187,535	$1,998,127	$1,370,153	$1,351,755	$1,562,422	$2,296,247	$11,766,240
21	Weighted Average Residential and Small C&I Energy Service Charge for February 2024 - July 2024							$0.09758

[Line No.] Source Information
[2] Per Monthly Energy Service Revenue Reports (Rates D, D-10, G-3, M, T and V)
[3] Per Monthly Total Revenue Reports (Rates D, D-10, G-3, M, T and V)
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[16] DE 23-044 (6/23/23) Schedule CG/JDW-2 Exhibit 11 (Bates 054)
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Attachment RG/JMK-3
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Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Typical Residential Bill Calculation

Usage 650 kWh

		December 1, 2023 Rates	February 1, 2024 Rates	December 1, 2023 Bill	February 1, 2024 Bill
1	Customer Charge	$14.74	$14.74	$14.74	$14.74
2	Distribution Charge	$0.07031	$0.07031	$45.70	$45.70
3	Storm Recovery Adjustment	(0.00202)	(0.00202)	(1.31)	(1.31)
4	Transmission Charge	$0.03334	$0.03334	$21.67	$21.67
5	Stranded Cost Charge	($0.00031)	($0.00031)	($0.20)	($0.20)
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	$85.32
9					
10	Energy Service Charge	$0.12612	$0.09758	$81.98	$63.43
11					
12			Total Bill	$167.13	$148.75
13					
14	**Monthly $ increase in 650 kWh Total Residential Bill**				**-$18.38**
15	**Monthly % increase in 650 kWh Total Residential Bill**				**-11.00%**
16					
17	**Monthly $ increase in 650 kWh Energy Service Portion Bill**				**-$18.55**
18	**Monthly % increase in 650 kWh Energy Service Portion Bill**				**-22.63%**

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Typical Residential Bill Calculation

Usage 650 kWh

		February 1, 2023 Rates	February 1, 2024 Rates	February 1, 2023 Bill	February 1, 2024 Bill
1	Customer Charge	$14.74	$14.74	$14.74	$14.74
2	Distribution Charge	$0.06138	$0.07031	$45.70	$45.70
3	Storm Recovery Adjustment	$0.00000	($0.00202)	$0.00	($1.31)
4	Transmission Charge	$0.03635	$0.03334	$23.63	$21.67
5	Stranded Cost Charge	($0.00051)	($0.00031)	($0.33)	($0.20)
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			$88.29	$85.32
9					
10	Energy Service Charge	$0.22007	$0.09758	$143.05	$63.43
11					
12			Total Bill	$231.33	$148.75
13					
14	**Monthly $ increase in 650 kWh Total Residential Bill**				**-$82.58**
15	**Monthly % increase in 650 kWh Total Residential Bill**				**-35.70%**
16					
17	**Monthly $ increase in 650 kWh Energy Service Portion Bill**				**-$79.62**
18	**Monthly % increase in 650 kWh Energy Service Portion Bill**				**-55.66%**

Large Customer Group G-1, G-2, EV-L, and EV-M

iii. Small Customer Group Energy Service Charges

Rate Effective February 1, 2024 – July 31, 2024 per kWh 9.758¢

iv. Large Customer Group Energy Service Charges

	February 2024	March 2024	April 2024	May 2024	June 2024	July 2024
Rate ¢/kWh	14.101¢	8.671¢	6.629¢	5.931¢	8.073¢	9.854¢

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.

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 November 1, 2023, through April 30, 2024

Customer Charge	$11.35 per month
Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)	
Distribution Charge Off Peak	5.262
Distribution Charge Mid Peak	7.887
Distribution Charge Critical Peak	11.230
Reliability Enhancement/Vegetation Management	(0.002)
Total Distribution Charge Off Peak	5.260
Total Distribution Charge Mid Peak	7.885
Total Distribution Charge Critical Peak	11.228
Transmission Charge Off Peak	(0.594)
Transmission Charge Mid Peak	(0.251)
Transmission Charge Critical Peak	20.608
Energy Service Charge Off Peak	12.896
Energy Service Charge Mid Peak	14.643
Energy Service Charge Critical Peak	15.197
Stranded Cost Adjustment Factor	(0.031)
Storm Recovery Adjustment Factor	(0.202)

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.

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 November 1, 2023, through April 30, 2024

Customer Charge	$14.74 per month
Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)	
Distribution Charge Off Peak	5.262
Distribution Charge Mid Peak	7.887
Distribution Charge Critical Peak	11.230
Reliability Enhancement/Vegetation Management	(0.002)
Total Distribution Charge Off Peak	5.260
Total Distribution Charge Mid Peak	7.885
Total Distribution Charge Critical Peak	11.228
Transmission Charge Off Peak	(0.594)
Transmission Charge Mid Peak	(0.251)
Transmission Charge Critical Peak	20.608
Energy Service Charge Off Peak	12.896
Energy Service Charge Mid Peak	14.643
Energy Service Charge Critical Peak	15.197
Stranded Cost Adjustment Factor	(0.031)
Storm Recovery Adjustment Factor	(0.202)

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.

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

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Summary of Rates

RATES EFFECTIVE FEBRUARY 1, 2024
FOR USAGE ON AND AFTER FEBRUARY 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	$ 0.06752	0.00281	(0.00002)	**0.07031**	0.03334	(0.00031)	(0.00202)	0.00727	**0.10859**	0.09758	**$ 0.20617**
Off Peak Water Heating Use 16 Hour Control[1]	All kWh	$ 0.05829	0.00281	(0.00002)	**0.06108**	0.03334	(0.00031)	(0.00202)	0.00727	**0.09936**	0.09758	**$ 0.19694**
Off Peak Water Heating Use 6 Hour Control[1]	All kWh	$ 0.05938	0.00281	(0.00002)	**0.06217**	0.03334	(0.00031)	(0.00202)	0.00727	**0.10045**	0.09758	**$ 0.19803**
Farm[1]	All kWh	$ 0.06374	0.00281	(0.00002)	**0.06653**	0.03334	(0.00031)	(0.00202)	0.00727	**0.10481**	0.09758	**$ 0.20239**
D-10	Customer Charge	$ 14.74			**14.74**					**14.74**		**$ 14.74**
	On Peak kWh	$ 0.14355	0.00180	(0.00002)	**0.14533**	0.01341	(0.00033)	(0.00202)	0.00727	**0.16366**	0.09758	**$ 0.26124**
	Off Peak kWh	$ 0.00190	0.00180	(0.00002)	**0.00368**	0.01341	(0.00033)	(0.00202)	0.00727	**0.02201**	0.09758	**$ 0.11959**
G-1	Customer Charge	$ 502.08			**502.08**					**502.08**		**$ 502.08**
	Demand Charge	$ 10.63			**10.63**					**10.63**		**$ 10.63**
	On Peak kWh	$ 0.00679	0.00104	(0.00002)	**0.00781**	0.01900	(0.00031)	(0.00202)	0.00727	**0.03175**		
								Effective 2/1/24, usage on or after			0.14101	**$ 0.17276**
								Effective 3/1/24, usage on or after			0.08671	**$ 0.11846**
								Effective 4/1/24, usage on or after			0.06629	**$ 0.09804**
								Effective 5/1/24, usage on or after			0.05931	**$ 0.09106**
								Effective 6/1/24, usage on or after			0.08073	**$ 0.11248**
								Effective 7/1/24, usage on or after			0.09854	**$ 0.13029**
	Off Peak kWh	$ 0.00199	0.00104	(0.00002)	**0.00301**	0.01900	(0.00031)	(0.00202)	0.00727	**0.02695**		
								Effective 2/1/24, usage on or after			0.14101	**$ 0.16796**
								Effective 3/1/24, usage on or after			0.08671	**$ 0.11366**
								Effective 4/1/24, usage on or after			0.06629	**$ 0.09324**
								Effective 5/1/24, usage on or after			0.05931	**$ 0.08626**
								Effective 6/1/24, usage on or after			0.08073	**$ 0.10768**
								Effective 7/1/24, usage on or after			0.09854	**$ 0.12549**
G-2	Customer Charge	$ 83.66			**83.66**					**83.66**		**$ 83.66**
	Demand Charge	$ 10.67			**10.67**					**10.67**		**$ 10.67**
	All kWh	$ 0.00267	0.00151	(0.00002)	**0.00416**	0.02170	(0.00031)	(0.00202)	0.00727	**0.03080**		
								Effective 2/1/24, usage on or after			0.14101	**$ 0.17181**
								Effective 3/1/24, usage on or after			0.08671	**$ 0.11751**
								Effective 4/1/24, usage on or after			0.06629	**$ 0.09709**
								Effective 5/1/24, usage on or after			0.05931	**$ 0.09011**
								Effective 6/1/24, usage on or after			0.08073	**$ 0.11153**
								Effective 7/1/24, usage on or after			0.09854	**$ 0.12934**
G-3	Customer Charge	$ 19.20			**19.20**					**19.20**		**$ 19.20**
	All kWh	$ 0.06093	0.00253	(0.00002)	**0.06344**	0.02281	(0.00030)	(0.00202)	0.00727	**0.09120**	0.09758	**$ 0.18878**
T	Customer Charge	$ 17.01			**17.01**					**17.01**		**$ 17.01**
	All kWh	$ 0.05469	0.00285	(0.00002)	**0.05752**	0.02198	(0.00030)	(0.00202)	0.00727	**0.08445**	0.09758	**$ 0.18203**
V	Minimum Charge	$ 19.20			**19.20**					**19.20**		**$ 19.20**
	All kWh	$ 0.06266	0.00291	(0.00002)	**0.06555**	0.02520	(0.00031)	(0.00202)	0.00727	**0.09569**	0.09758	**$ 0.19327**
D-11	Customer Charge	$14.74			**$14.74**					**$14.74**		**$ 14.74**
	Monday through Friday											
	Off Peak	$0.05262	$0.00000	($0.00002)	**$0.05260**	($0.00594)	($0.00031)	(0.00202)	$0.00727	**$0.05160**	$0.12896	**$0.18056**
	Mid Peak	$0.07887	$0.00000	($0.00002)	**$0.07885**	($0.00251)	($0.00031)	(0.00202)	$0.00727	**$0.08128**	$0.14643	**$0.22771**
	Critical Peak	$0.11230	$0.00000	($0.00002)	**$0.11228**	$0.20608	($0.00031)	(0.00202)	$0.00727	**$0.32330**	$0.15197	**$0.47527**
	Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a											

[1] Rate is a subset of Domestic Rate D

Issued: XXX

Issued by: /s/ Neil Proudman
Neil Proudman

Effective: February 1, 2024

Title: President

Authorized by NHPUC Order No. XXX in Docket No. DE 23-044, dated XXX

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

Illustrative Twenty-sixth Revised Page 127
Superseding Twenty-fifth Revised Page 127
Summary of Rates

RATES EFFECTIVE- FEBRUARY 1, 2024
FOR USAGE ON AND AFTER- FEBRUARY 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	$0.05262	$0.00000	($0.00002)	**$0.05260**	($0.00594)	($0.00031)	(0.00202)	$0.00727	**$0.05160**	$0.12896	**$0.18056**
	Mid Peak	$0.07887	$0.00000	($0.00002)	**$0.07885**	($0.00251)	($0.00031)	(0.00202)	$0.00727	**$0.08128**	$0.14643	**$0.22771**
	Critical Peak	$0.11230	$0.00000	($0.00002)	**$0.11228**	$0.20608	($0.00031)	(0.00202)	$0.00727	**$0.32330**	$0.15197	**$0.47527**
	Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a											
Rate EV-L	Customer Charge	$502.08			**$502.08**							**$502.08**
	Demand Charge	$5.32			**$5.32**							**$5.32**
	Monday through Friday											
	Off Peak	$0.02698	$0.00000	($0.00002)	**$0.02696**	($0.00317)	($0.00031)	(0.00202)	$0.00727	**$0.02873**	$0.08091	**$0.10964**
	Mid Peak	$0.02900	$0.00000	($0.00002)	**$0.02898**	($0.00253)	($0.00031)	(0.00202)	$0.00727	**$0.03139**	$0.08393	**$0.11532**
	Critical Peak	$0.03376	$0.00000	($0.00002)	**$0.03374**	$0.15124	($0.00031)	(0.00202)	$0.00727	**$0.18992**	$0.10407	**$0.29399**
	Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a											
Rate EV-M	Customer Charge	$83.66			**$83.66**							**$83.66**
	Demand Charge	$5.34			**$5.34**							**$5.34**
	Monday through Friday											
	Off Peak	$0.04002	$0.00000	($0.00002)	**$0.04000**	($0.00277)	($0.00031)	(0.00202)	$0.00727	**$0.04217**	$0.08099	**$0.12316**
	Mid Peak	$0.04138	$0.00000	($0.00002)	**$0.04136**	($0.00219)	($0.00031)	(0.00202)	$0.00727	**$0.04411**	$0.08378	**$0.12789**
	Critical Peak	$0.04736	$0.00000	($0.00002)	**$0.04734**	$0.16381	($0.00031)	(0.00202)	$0.00727	**$0.21609**	$0.10401	**$0.32010**
	Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a											
M	Luminaire Charge											
	HPS 4,000	$9.81				$9.81						**$9.81**
	HPS 9,600	$11.35				$11.35						**$11.35**
	HPS 27,500	$18.86				$18.86						**$18.86**
	HPS 50,000	$23.47				$23.47						**$23.47**
	HPS 9,600 (Post Top)	$13.32				$13.32						**$13.32**
	HPS 27,500 Flood	$19.07				$19.07						**$19.07**
	HPS 50,000 Flood	$25.46				$25.46						**$25.46**
	Incandescent 1,000	$12.61				$12.61						**$12.61**
	Mercury Vapor 4,000	$8.70				$8.70						**$8.70**
	Mercury Vapor 8,000	$9.79				$9.79						**$9.79**
	Mercury Vapor 22,000	$17.51				$17.51						**$17.51**
	Mercury Vapor 63,000	$29.62				$29.62						**$29.62**
	Mercury Vapor 22,000 Flood	$20.04				$20.04						**$20.04**
	Mercury Vapor 63,000 Flood	$38.86				$38.86						**$38.86**
LED-1	Luminaire Charge											
	30 Watt Pole Top	$6.36				$6.36						**$6.36**
	50 Watt Pole Top	$6.63				$6.63						**$6.63**
	130 Watt Pole Top	$10.24				$10.24						**$10.24**
	190 Watt Pole Top	$19.65				$19.65						**$19.65**
	30 Watt URD	$14.85				$14.85						**$14.85**
	90 Watt Flood	$10.08				$10.08						**$10.08**
	130 Watt Flood	$11.60				$11.60						**$11.60**
	30 Watt Caretaker	$5.70				$5.70						**$5.70**
Poles	Pole -Wood	$11.14				$11.14						**$11.14**
	Fiberglass - Direct Embedded	$11.61				$11.61						**$11.61**
	Fiberglass w/Foundation <25 ft	$19.59				$19.59						**$19.59**
	Fiberglass w/Foundation >=25 ft	$32.75				$32.75						**$32.75**
	Metal Poles - Direct Embedded	$23.35				$23.35						**$23.35**
	Metal Poles with Foundation	$28.17				$28.17						**$28.17**
M/LED-1/LED-2	All kWh	$0.04686	$0.00000	($0.00002)	**$0.04684**	$0.01701	($0.00031)	($0.00202)	$0.00727	**$0.06879**	$0.09758	**$0.16637**

Issued: XXX

Issued by: /s/ Neil Proudman
Neil Proudman

Effective: February 1, 2024

Title: President

Authorized by NHPUC Order No. XXX in Docket No. DE 23-044, dated XXX

Transmission Charge Mid Peak	(0.253)
Transmission Charge Critical Peak	(15.124)
Energy Service Charge Off Peak	8.091
Energy Service Charge Mid Peak	8.393
Energy Service Charge Critical Peak	10.407
Stranded Cost Adjustment Factor	(0.031)
Storm Recovery Adjustment Factor	(0.202)

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	$5.32

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,

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 November 1, 2023, through April 30, 2024

Customer Charge	$83.66 per month
Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)	
Distribution Charge Off Peak	4.002
Distribution Charge Mid Peak	4.138
Distribution Charge Critical Peak	4.736
Reliability Enhancement/Vegetation Management	(0.002)
Total Distribution Charge Off Peak	4.000
Total Distribution Charge Mid Peak	4.136
Total Distribution Charge Critical Peak	4.734
Transmission Charge Off Peak	(0.277)
Transmission Charge Mid Peak	(0.219)
Transmission Charge Critical Peak	16.381
Energy Service Charge Off Peak	8.099
Energy Service Charge Mid Peak	8.378
Energy Service Charge Critical Peak	10.401
Stranded Cost Adjustment Factor	(0.031)
Storm Recovery Adjustment Factor	(0.202)

Large Customer Group G-1, G-2, EV-L, and EV-M

iii. Small Customer Group Energy Service Charges

Rate Effective ~~August 1, 2023 - January 31, 2024~~February 1, 2024 – July 31, 2024 per kWh 9.758~~12.612~~¢

iv. Large Customer Group Energy Service Charges

	~~August~~February ~~2023~~2024	~~September~~March ~~2023~~2024	~~October~~April ~~2023~~2024	~~November~~May ~~2023~~2024	~~December~~June ~~2023~~2024	~~January~~July 2024
Rate ¢/kWh	14.101~~7.196~~¢	8.671~~4.799~~¢	6.629~~4.448~~¢	5.931~~12.302~~¢	8.073~~18.892~~¢	9.854~~22.302~~¢

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.

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 November 1, 2023, through April 30, 2024

Customer Charge	$11.35 per month
Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)	
Distribution Charge Off Peak	5.262
Distribution Charge Mid Peak	7.887
Distribution Charge Critical Peak	11.230
Reliability Enhancement/Vegetation Management	(0.002)
Total Distribution Charge Off Peak	5.260
Total Distribution Charge Mid Peak	7.885
Total Distribution Charge Critical Peak	11.228
Transmission Charge Off Peak	(0.594)
Transmission Charge Mid Peak	(0.251)
Transmission Charge Critical Peak	20.608
Energy Service Charge Off Peak	12.896~~20.779~~
Energy Service Charge Mid Peak	14.643~~23.595~~
Energy Service Charge Critical Peak	15.197~~24.487~~
Stranded Cost Adjustment Factor	(0.031)
Storm Recovery Adjustment Factor	(0.202)

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: ~~November 1, 2023~~XXX
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Neil Proudman
Effective: ~~November 1, 2023~~February 1, 2024
Title: President

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 November 1, 2023, through April 30, 2024

Customer Charge	$14.74 per month
Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)	
Distribution Charge Off Peak	5.262
Distribution Charge Mid Peak	7.887
Distribution Charge Critical Peak	11.230
Reliability Enhancement/Vegetation Management	(0.002)
Total Distribution Charge Off Peak	5.260
Total Distribution Charge Mid Peak	7.885
Total Distribution Charge Critical Peak	11.228
Transmission Charge Off Peak	(0.594)
Transmission Charge Mid Peak	(0.251)
Transmission Charge Critical Peak	20.608
Energy Service Charge Off Peak	12.896~~20.779~~
Energy Service Charge Mid Peak	14.643~~23.595~~
Energy Service Charge Critical Peak	15.197~~24.487~~
Stranded Cost Adjustment Factor	(0.031)
Storm Recovery Adjustment Factor	(0.202)

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: ~~November 1, 2023~~XXX Issued by: /s/ Neil Proudman
Neil Proudman
Effective: ~~November 1, 2023~~February 1, 2024 Title: President

Summary of Rates

RATES EFFECTIVE ~~JANUARY 1, 2024~~ FEBRUARY 1, 2024
FOR USAGE ON AND AFTER ~~JANUARY 1, 2024~~ FEBRUARY 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	$ 0.06752	0.00281	(0.00002)	**0.07031**	0.03334	(0.00031)	(0.00202)	0.00727	**0.10859**	0.09758		$ **0.20617**	
											~~0.12612~~		~~$ 0.23471~~	
Off Peak Water Heating Use 16 Hour Control[1]	All kWh	$ 0.05829	0.00281	(0.00002)	**0.06108**	0.03334	(0.00031)	(0.00202)	0.00727	**0.09936**	0.09758		$ **0.19694**	
											~~0.12612~~		~~$ 0.23548~~	
Off Peak Water Heating Use 6 Hour Control[1]	All kWh	$ 0.05938	0.00281	(0.00002)	**0.06217**	0.03334	(0.00031)	(0.00202)	0.00727	**0.10045**	0.09758		$ **0.19803**	
											~~0.12612~~		~~$ 0.22657~~	
Farm[1]	All kWh	$ 0.06374	0.00281	(0.00002)	**0.06653**	0.03334	(0.00031)	(0.00202)	0.00727	**0.10481**	0.09758		$ **0.20239**	
											~~0.12612~~		~~$ 0.23093~~	
D-10	Customer Charge	$ 14.74			**14.74**					**14.74**			$ **14.74**	
	On Peak kWh	$ 0.14355	0.00180	(0.00002)	**0.14533**	0.01341	(0.00033)	(0.00202)	0.00727	**0.16366**	0.09758		$ **0.26124**	
											~~0.12612~~		~~$ 0.28978~~	
	Off Peak kWh	$ 0.00190	0.00180	(0.00002)	**0.00368**	0.01341	(0.00033)	(0.00202)	0.00727	**0.02201**	0.09758		$ **0.11959**	
											~~0.12612~~		~~$ 0.14813~~	
G-1	Customer Charge	$ 502.08			**502.08**					**502.08**			$ **502.08**	
	Demand Charge	$ 10.63			**10.63**					**10.63**			$ **10.63**	
	On Peak kWh	$ 0.00679	0.00104	(0.00002)	**0.00781**	0.01900	(0.00031)	(0.00202)	0.00727	**0.03175**				
								Effective ~~8/1/23~~ 2/1/24, usage on or after			0.14101	~~0.07196~~	$ 0.17276	~~$0.10344~~
								Effective ~~9/1/23~~ 3/1/24, usage on or after			0.08671	~~0.04799~~	$ 0.11846	~~0.07947~~
								Effective ~~10/1/23~~ 4/1/24, usage on or after			0.06629	~~0.04448~~	$ 0.09804	~~0.07596~~
								Effective ~~11/1/23~~ 5/1/24, usage on or after			0.05931	~~0.12302~~	$ 0.09106	~~0.15450~~
								Effective ~~12/1/23~~ 6/1/24, usage on or after			0.08073	~~0.18892~~	$ 0.11248	~~0.22040~~
								Effective ~~1/1/24~~ 7/1/24, usage on or after			0.09854	~~0.22302~~	$ 0.13029	~~0.25477~~
	Off Peak kWh	$ 0.00199	0.00104	(0.00002)	**0.00301**	0.01900	(0.00031)	(0.00202)	0.00727	**0.02695**				
								Effective ~~8/1/23~~ 2/1/24, usage on or after			0.14101	~~0.07196~~	$ 0.16796	~~0.09864~~
								Effective ~~9/1/23~~ 3/1/24, usage on or after			0.08671	~~0.04799~~	$ 0.11366	~~0.07467~~
								Effective ~~10/1/23~~ 4/1/24, usage on or after			0.06629	~~0.04448~~	$ 0.09324	~~0.07116~~
								Effective ~~11/1/23~~ 5/1/24, usage on or after			0.05931	~~0.12302~~	$ 0.08626	~~0.14970~~
								Effective ~~12/1/23~~ 6/1/24, usage on or after			0.08073	~~0.18892~~	$ 0.10768	~~0.21560~~
								Effective ~~1/1/24~~ 7/1/24, usage on or after			0.09854	~~0.22302~~	$ 0.12549	~~0.24997~~
G-2	Customer Charge	$ 83.66			**83.66**					**83.66**			$ **83.66**	
	Demand Charge	$ 10.67			**10.67**					**10.67**			$ **10.67**	
	All kWh	$ 0.00267	0.00151	(0.00002)	**0.00416**	0.02170	(0.00031)	(0.00202)	0.00727	**0.03080**				
								Effective ~~8/1/23~~ 2/1/24, usage on or after			0.14101	~~0.07196~~	$ 0.17181	~~0.10249~~
								Effective ~~9/1/23~~ 3/1/24, usage on or after			0.08671	~~0.04799~~	$ 0.11751	~~0.07852~~
								Effective ~~10/1/23~~ 4/1/24, usage on or after			0.06629	~~0.04448~~	$ 0.09709	~~0.07501~~
								Effective ~~11/1/23~~ 5/1/24, usage on or after			0.05931	~~0.12302~~	$ 0.09011	~~0.15355~~
								Effective ~~12/1/23~~ 6/1/24, usage on or after			0.08073	~~0.18892~~	$ 0.11153	~~0.21945~~
								Effective ~~1/1/24~~ 7/1/24, usage on or after			0.09854	~~0.22302~~	$ 0.12934	~~0.25382~~
G-3	Customer Charge	$ 19.20			**19.20**					**19.20**			$ **19.20**	
	All kWh	$ 0.06093	0.00253	(0.00002)	**0.06344**	0.02281	(0.00030)	(0.00202)	0.00727	**0.09120**	0.09758		$ **0.18878**	
											~~0.12612~~		~~$ 0.21732~~	
T	Customer Charge	$ 17.01			**17.01**					**17.01**			$ **17.01**	
	All kWh	$ 0.05469	0.00285	(0.00002)	**0.05752**	0.02198	(0.00030)	(0.00202)	0.00727	**0.08445**	0.09758		$ **0.18203**	
											~~0.12612~~		~~$ 0.21057~~	
V	Minimum Charge	$ 19.20			**19.20**					**19.20**			$ **19.20**	
	All kWh	$ 0.06266	0.00291	(0.00002)	**0.06555**	0.02520	(0.00031)	(0.00202)	0.00727	**0.09569**	0.09758		$ **0.19327**	
											~~0.12612~~		~~$ 0.22181~~	
D-11	Customer Charge	$14.74			**$14.74**					**$14.74**			$ **14.74**	
	Monday through Friday													
	Off Peak	$0.05262	$0.00000	($0.00002)	**$0.05260**	($0.00594)	($0.00031)	(0.00202)	$0.00727	**$0.05160**	$0.12896		**$0.18056**	
											~~$0.20779~~		~~$0.25939~~	
	Mid Peak	$0.07887	$0.00000	($0.00002)	**$0.07885**	($0.00251)	($0.00031)	(0.00202)	$0.00727	**$0.08128**	$0.14643		**$0.22771**	
											~~$0.22595~~		~~$0.31723~~	
	Critical Peak	$0.11230	$0.00000	($0.00002)	**$0.11228**	$0.20608	($0.00031)	(0.00202)	$0.00727	**$0.32330**	$0.15197		**$0.47527**	
											~~$0.24487~~		~~$0.56817~~	
	Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a													

[1] Rate is a subset of Domestic Rate D

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

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Summary of Rates

RATES EFFECTIVE ~~JANUARY 1, 2024~~ FEBRUARY 1, 2024
FOR USAGE ON AND AFTER ~~JANUARY 1, 2024~~ FEBRUARY 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	$0.05262	$0.00000	($0.00002)	**$0.05260**	($0.00594)	($0.00031)	(0.00202)	$0.00727	**$0.05160**	$0.12896	**$0.18056**
											~~$0.20779~~	~~$0.25939~~
	Mid Peak	$0.07887	$0.00000	($0.00002)	**$0.07885**	($0.00251)	($0.00031)	(0.00202)	$0.00727	**$0.08128**	$0.14643	**$0.22771**
											~~$0.23595~~	~~$0.31723~~
	Critical Peak	$0.11230	$0.00000	($0.00002)	**$0.11228**	$0.20608	($0.00031)	(0.00202)	$0.00727	**$0.32330**	$0.15197	**$0.47527**
											~~$0.24487~~	~~$0.56817~~
	Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a											
Rate EV-L	Customer Charge	$502.08			**$502.08**							**$502.08**
	Demand Charge	$5.32			**$5.32**							**$5.32**
	Monday through Friday											
	Off Peak	$0.02698	$0.00000	($0.00002)	**$0.02696**	($0.00317)	($0.00031)	(0.00202)	$0.00727	**$0.02873**	$0.08091	**$0.10964**
											~~$0.10917~~	~~$0.13790~~
	Mid Peak	$0.02900	$0.00000	($0.00002)	**$0.02898**	($0.00253)	($0.00031)	(0.00202)	$0.00727	**$0.03139**	$0.08393	**$0.11532**
											~~$0.11324~~	~~$0.14463~~
	Critical Peak	$0.03376	$0.00000	($0.00002)	**$0.03374**	$0.15124	($0.00031)	(0.00202)	$0.00727	**$0.18992**	$0.10407	**$0.29399**
											~~$0.14041~~	~~$0.33033~~
	Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a											
Rate EV-M	Customer Charge	$83.66			**$83.66**							**$83.66**
	Demand Charge	$5.34			**$5.34**							**$5.34**
	Monday through Friday											
	Off Peak	$0.04002	$0.00000	($0.00002)	**$0.04000**	($0.00277)	($0.00031)	(0.00202)	$0.00727	**$0.04217**	$0.08099	**$0.12316**
											~~$0.10927~~	~~$0.15144~~
	Mid Peak	$0.04138	$0.00000	($0.00002)	**$0.04136**	($0.00219)	($0.00031)	(0.00202)	$0.00727	**$0.04411**	$0.08378	**$0.12789**
											~~$0.11305~~	~~$0.15716~~
	Critical Peak	$0.04736	$0.00000	($0.00002)	**$0.04734**	$0.16381	($0.00031)	(0.00202)	$0.00727	**$0.21609**	$0.10401	**$0.32010**
											~~$0.14033~~	~~$0.35642~~
	Saturday through Sunday and Holidays: Mid Peak 8a - 8p, Off Peak 8p - 8a											
M	Luminaire Charge											
	HPS 4,000	$9.81				$9.81						**$9.81**
	HPS 9,600	$11.35				$11.35						**$11.35**
	HPS 27,500	$18.86				$18.86						**$18.86**
	HPS 50,000	$23.47				$23.47						**$23.47**
	HPS 9,600 (Post Top)	$13.32				$13.32						**$13.32**
	HPS 27,500 Flood	$19.07				$19.07						**$19.07**
	HPS 50,000 Flood	$25.46				$25.46						**$25.46**
	Incandescent 1,000	$12.61				$12.61						**$12.61**
	Mercury Vapor 4,000	$8.70				$8.70						**$8.70**
	Mercury Vapor 8,000	$9.79				$9.79						**$9.79**
	Mercury Vapor 22,000	$17.51				$17.51						**$17.51**
	Mercury Vapor 63,000	$29.62				$29.62						**$29.62**
	Mercury Vapor 22,000 Flood	$20.04				$20.04						**$20.04**
	Mercury Vapor 63,000 Flood	$38.86				$38.86						**$38.86**
LED-1	Luminaire Charge											
	30 Watt Pole Top	$6.36				$6.36						**$6.36**
	50 Watt Pole Top	$6.63				$6.63						**$6.63**
	130 Watt Pole Top	$10.24				$10.24						**$10.24**
	190 Watt Pole Top	$19.65				$19.65						**$19.65**
	30 Watt URD	$14.85				$14.85						**$14.85**
	90 Watt Flood	$10.08				$10.08						**$10.08**
	130 Watt Flood	$11.60				$11.60						**$11.60**
	30 Watt Caretaker	$5.70				$5.70						**$5.70**
Poles	Pole -Wood	$11.14				$11.14						**$11.14**
	Fiberglass - Direct Embedded	$11.61				$11.61						**$11.61**
	Fiberglass w/Foundation <25 ft	$19.59				$19.59						**$19.59**
	Fiberglass w/Foundation >=25 ft	$32.75				$32.75						**$32.75**
	Metal Poles - Direct Embedded	$23.35				$23.35						**$23.35**
	Metal Poles with Foundation	$28.17				$28.17						**$28.17**
M/LED-1/LED-2	All kWh	$0.04686	$0.00000	($0.00002)	**$0.04684**	$0.01701	($0.00031)	($0.00202)	$0.00727	**$0.06879**	$0.09758	**$0.16637**
											~~$0.12612~~	~~$0.19491~~

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

Authorized by NHPUC Order No. XXX in Docket No. DE 23-044, dated XXX~~Authorized by NHPUC Order No. 26,908 in Docket No. DE 23-068, dated November 30, 2023~~

Transmission Charge Mid Peak	(0.253)
Transmission Charge Critical Peak	(15.124)
Energy Service Charge Off Peak	8.091~~10.917~~
Energy Service Charge Mid Peak	8.393~~11.324~~
Energy Service Charge Critical Peak	10.407~~14.041~~
Stranded Cost Adjustment Factor	(0.031)
Storm Recovery Adjustment Factor	(0.202)

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	$5.32

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,

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 November 1, 2023, through April 30, 2024

Customer Charge	$83.66 per month
Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)	
Distribution Charge Off Peak	4.002
Distribution Charge Mid Peak	4.138
Distribution Charge Critical Peak	4.736
Reliability Enhancement/Vegetation Management	(0.002)
Total Distribution Charge Off Peak	4.000
Total Distribution Charge Mid Peak	4.136
Total Distribution Charge Critical Peak	4.734
Transmission Charge Off Peak	(0.277)
Transmission Charge Mid Peak	(0.219)
Transmission Charge Critical Peak	16.381
Energy Service Charge Off Peak	8.099~~10.927~~
Energy Service Charge Mid Peak	8.378~~11.305~~
Energy Service Charge Critical Peak	10.401~~14.033~~
Stranded Cost Adjustment Factor	(0.031)
Storm Recovery Adjustment Factor	(0.202)

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Neil Proudman
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