

**STATE OF NEW HAMPSHIRE
BEFORE THE
PUBLIC UTILITIES COMMISSION**

Docket No. DE 22-XXX

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

Calendar Year 2021 Reconciliation and Rate Adjustment Filing

DIRECT TESTIMONY

OF

HEATHER GREEN,

HEATHER TEBBETTS,

AND

ADAM HALL

March 15, 2022



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1 **I. INTRODUCTION**

2 **Heather Green**

3 **Q. Ms. Green, would you please state your full name, business address and position.**

4 A. My name is Heather Green and my business address is 407 Miracle Mile, Lebanon, New
5 Hampshire.

6 **Q. By whom are you employed and in what position?**

7 A. I am employed by Liberty Utilities Service Corp. (“LUSC”) as the Manager of
8 Vegetation Management. In that capacity I support Electric Operations and plan, budget,
9 and manage Liberty Utilities (Granite State Electric) Corp.’s (“Liberty” or “the
10 Company”) inspection and vegetation management programs, vendor performance, and
11 storm and regulatory support on the distribution and sub transmission assets.

12 **Q. Please describe your educational background.**

13 A. I graduated from Purdue University in 1994 with a Bachelor’s Degree of Science in
14 Forestry with an Urban Option.

15 **Q. Please describe your professional experience.**

16 A. I joined LUSC in March of 2018. Prior to that I worked for the State of New Hampshire
17 Division of Forests and Lands as a Community Forester. I worked in the role of
18 Municipal Arborist from 1998 to 2013 in the Chicago suburbs in both a north shore
19 community of Park Ridge and a south shore community of Oak Lawn. I have also
20 worked for a variety of commercial tree care companies and gardens.

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1 I have been very active in professional organizations. I held a variety of Board positions
2 for the New England Chapter of the International Society of Arboriculture (NEC-ISA)
3 and the Illinois Arborist Association (IAA), including President. I am a current member
4 of the New Hampshire Community Forestry Advisor Committee.

5 **Q. Have you previously testified before the Commission?**

6 A. Yes, I have testified on numerous occasions.

7 **Heather Tebbetts**

8 **Q. Ms. Tebbetts, please state your full name, business address, and position.**

9 A. My name is Heather M. Tebbetts and my business address is 9 Lowell Road, Salem, New
10 Hampshire. I am Manager of Rates and Regulatory Affairs for LUSC and am responsible
11 for providing rate-related services for the Company and for its gas affiliate, Liberty
12 Utilities (EnergyNorth Natural Gas) Corp. (“EnergyNorth”).

13 **Q. Please describe your educational background and training.**

14 A. I graduated from Franklin Pierce University in 2004 with a Bachelor of Science degree in
15 Finance. I received a Master of Business Administration from Southern New Hampshire
16 University in 2007.

17 **Q. Please describe your professional background.**

18 A. I joined LUSC in October 2014. Prior to my employment at LUSC, I was employed by
19 Public Service Company of New Hampshire (“PSNH”) as a Senior Analyst in NH
20 Revenue Requirements from 2010 to 2014. Prior to my position in NH Revenue
21 Requirements, I was a Staff Accountant in PSNH’s Property Tax group from 2007 to

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1 2010 and a Customer Service Representative III in PSNH's Customer Service
2 Department from 2004 to 2007.

3 **Q. Have you previously testified before the Commission?**

4 A. Yes, I have testified on numerous occasions before the Commission.

5 **Adam Hall**

6 **Q. Mr. Hall, please state your full name, business address, and position.**

7 A. My name is Adam M. Hall. My business address is 15 Buttrick Road, Londonderry, New
8 Hampshire. I am an Analyst in the Rates and Regulatory Affairs department for LUSC
9 and am responsible for providing rate-related services for the Company and for
10 EnergyNorth.

11 **Q. Please describe your educational and professional background.**

12 A. I graduated from Siena College in 2014 with a Bachelor of Science in Finance. I also
13 received a Master of Business Administration from Franklin Pierce University in 2016. I
14 joined Liberty as an Analyst, Rates and Regulatory Affairs in January 2019. Prior to this,
15 I was employed by Southern New Hampshire University from 2016 to 2019.

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

17 A. Yes, I have testified on numerous occasions before the Commission.

18 **II. OVERVIEW AND PURPOSE OF TESTIMONY**

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

20 A. Our testimony proposes new rates for the Company's recovery of costs associated with
21 its VMP.

1 **Q. Why does the Company need a VMP?**

2 A. The VMP is premised on the understanding that a certain amount of annual spending on
3 O&M activities is necessary to maintain the safety and reliability of the Company's
4 electric distribution system. Docket No. DE 19-064 set the total spending level for
5 vegetation management. Specifically, the Settlement Agreement in that proceeding
6 provided the following:

7 *Under the VMP, the Company shall maintain a four-year cycle for*
8 *tree trimming and vegetation management and shall continue with*
9 *the filings and reporting requirements currently in place. The base*
10 *rate increase agreed to in this Agreement includes an increase in*
11 *the VMP spending to \$2,200,000 for 2020, which shall continue*
12 *until changed in a future base rate case. The Company shall not*
13 *recover any VMP expenses that exceed 10% of that amount, or in*
14 *excess of \$2,420,000, through the annual reconciliation filing, or*
15 *otherwise. The VMP spending shall be reconciled each year, with*
16 *any under spending carried into the next program year or returned*
17 *to customers, as determined by the Commission.*

18 Settlement Agreement in Docket No. DE 19-064, Hearing Exhibit 37, at 11.

19 **Q. What is a cycle, as that term is used above?**

20 A. A cycle is the amount of time, in years, that a utility plans to trim along all its power
21 lines. A shorter trim cycle requires more miles to be completed each year in order to
22 reach all miles over fewer years, but the amount of actual trimming to be done per mile
23 should be less because the utility would have trimmed each section more recently. A
24 longer trim cycle requires trimming of fewer miles per year, with the expectation that
25 more trimming will be required.

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1 Liberty obtained approval to transition from a five-year cycle to a four-year cycle,
2 beginning in 2017, as part of the Company's 2016 rate case, Docket No. DE 16-383. *See*
3 Order No. 26,005 at 9 (Apr. 12, 2017). In the most recent rate case, Docket No. DE 19-
4 064, the Commission approved the settlement agreement that called for Company to
5 continue the four-year cycle. Order No. 26,376 (June 30, 2020).

6 **Q. Is this approach consistent with those of the other electric utilities in New**
7 **Hampshire?**

8 A. No. The other NH utilities trim and remove trees on a cycle that ranges from 4.5 to five
9 years.

10 **Q. Will the Company be proposing to move to a five-year cycle in the future?**

11 A. Yes, in its next rate case the Company will be proposing to return to a five-year cycle.
12 Even though the Company continues to believe that a four-year trimming cycle is
13 desirable in New Hampshire, the Company acknowledges that the higher cost of
14 continuing the transition to a four-year trimming cycle is not appropriate given current
15 economic conditions of the vegetation management industry.

16 **Q. Please describe what types of activities were included in the 2021 VMP.**

17 A. The vegetation management activities consisted of planned cycle trimming, tree removal,
18 right of way work, and interim, spot, and trouble tree trimming.

19 **Q. What information does Appendix 1 provide?**

20 A. Appendix 1 provides a summary of the spending by category as compared to the budget
21 set at \$2,420,000 for 2021. The total spending versus budget for 2021 was \$2,021,940.

1 **Q. What information does Appendix 2 provide?**

2 A. Appendix 2 provides the list of circuits with actual trim miles completed as compared to
3 the estimated 2021 miles to be trimmed. A total of 84 miles were trimmed in 2021.

4 **Q. What information does Appendix 3 provide?**

5 A. Appendix 3 provides the actual VMP spending by month by job for 2021.

6 **Q. Please explain how the Company decides to allocate funds towards vegetation
7 management within a given year's budget.**

8 A. The Company develops an Annual Work Plan each year that is designed to achieve the
9 overriding performance objectives of the business (safety, reliability, efficiency, customer
10 satisfaction, and environmental responsibility).

11 **Q. What is the process the Company uses to determine which VMP projects to
12 undertake in any given year?**

13 A. The Company reviews the above objectives and prioritizes the work to achieve an
14 optimized portfolio of projects considering the reliability performance data compared to
15 the reliability improvements targeted by the various programs and the deliverability of
16 vegetation management within the calendar year. The process is designed to ensure the
17 Company arrives at a budget that provides the optimal balance to maintain and improve
18 the performance of the system, while also ensuring a cost-effective use of the Company's
19 available resources.

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1 **Q. Does the Company own all its own poles?**

2 A. No, most of its poles are jointly owned by Liberty and Consolidated Communications,
3 Inc. (“CCI”).

4 **Q. What difference does that make?**

5 A. There is a Joint Ownership Agreement between Liberty and CCI that governs all aspects
6 of the joint ownership of poles. Relevant to this docket, those agreements provided for
7 CCI to contribute a certain amount of money toward Liberty’s tree trimming costs each
8 year.

9 **Q. Does the Company collect from joint pole owners to help fund VMP activities?**

10 A. Not anymore. CCI exercised its contractual right to terminate its participation in the
11 vegetation management aspect of the Joint Ownership Agreement after 2019, leaving all
12 annual vegetation management costs to be the responsibility of the Company and its
13 customers. In Docket No. DE 19-064, the Company requested to return to a 5-year cycle
14 because the annual reimbursements from Consolidated Communications, Inc. (“CCI”)
15 would no longer be available to offset the total amount of VMP O&M expenses incurred.
16 The Company further describes the loss of the contractor in this testimony and the
17 vegetation management problems and financial burden it caused.

18 **Q. Please summarize the remainder of your testimony.**

19 A. Section III talks about issues the Company encountered with its contractor in 2021.
20 Section IV provides information regarding the proposed rate for 2022.

1 **III. 2021 VMP CONTRACTORS**

2 **Q. Was the Company able to procure services for vegetation management at the**
3 **approved funding level for the second four-year trim cycle?**

4 A. Yes. In 2020, the Company went to bid for its current four-year cycle and awarded the
5 contract to ClearWay Industries, LLC (“ClearWay”).

6 **Q. Why was ClearWay selected?**

7 A. Primarily because it was the lowest bidder (ClearWay’s per-mile cost were less than
8 current costs and would have enabled Liberty to continue with the four-year cycle), and
9 ClearWay’s bid afforded the Company the best opportunity to continue trimming trees
10 within the \$2,420,000 limit. ClearWay was relatively new to the Company’s system and
11 had performed positively with work allocated to them in 2020.

12 **Q. Did ClearWay fulfill all its contract obligations?**

13 A. No, it defaulted on its contract with the Company and walked off the job in March 2021.
14 In January 2021 ClearWay fell behind schedule for the work required under the contract.
15 To assist, Liberty provided ClearWay’s employees with supervision and training and
16 hired a firm to triage the situation by overseeing ClearWay crews and to help ClearWay
17 perform the work. By February of 2021, ClearWay remained behind, so on February 17,
18 2021, Liberty met with ClearWay to inquire whether ClearWay would be able to ramp up
19 and have its crews complete the required mileage. ClearWay assured Liberty that it
20 would be able to complete the work. On March 3, 2021, ClearWay remained behind
21 schedule, so Liberty again called a meeting with ClearWay to express Liberty’s

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1 continued concern with their ability to perform. Liberty representatives again asked
2 whether ClearWay would be able to meet Liberty's expectations given how far ClearWay
3 had fallen behind. ClearWay once more expressed confidence that they would be able to
4 fulfill its contractual obligations. Less than two weeks later, on March 12, 2021,
5 ClearWay informed Liberty that ClearWay needed to leave the existing jobs with Liberty
6 in New Hampshire as soon as possible because they could not meet payroll obligations to
7 their employees. On March 13, 2021, ClearWay crews began to walk off the jobs being
8 performed for Liberty. Clearway notified Liberty that its crews would no longer perform
9 any work for Liberty after March 15, 2021. On March 15, 2021, ClearWay crews did
10 not show up for work. March 14, 2021 was the last day ClearWay performed any work
11 for Liberty.

12 **Q. What was the Company's response?**

13 A. The Company immediately began the search to find another contractor and quickly
14 reached agreement with Asplundh Tree Expert Co. ("Asplundh") to return to Liberty's
15 service territory to try to complete the year's trimming requirements. Asplundh held the
16 prior tree trimming contract.

17 **Q. Did the change to Asplundh increase costs?**

18 A. Yes. Although Asplundh was the next lowest bidder after ClearWay, it was still more
19 expensive and required a 6.25% surcharge above its prior bid for allocating resources in
20 its attempt to complete the miles the Company intended to trim in 2021. This made it
21 impossible for Asplundh to complete the VMP while staying under the \$2.42 million cap
22 defined in the Settlement Agreement.

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1 And second, although Asplundh had worked with Liberty in the past, the transition from
2 ClearWay to Asplundh took several weeks. Asplundh had to pull resources back from
3 other areas, some Asplundh crews that previously worked for Liberty were no longer
4 available, retired, otherwise out of workforce, or simply out of area as other regions of
5 the country pay higher wages than in the Northeast.

6 **Q. Did the Company contract with other vegetation management companies to try to**
7 **increase its trim miles for 2021?**

8 A. Yes. The Company was also able to contract with Chippers, Inc., to perform some of the
9 work that would have been performed by ClearWay. Chippers was one of the
10 unsuccessful bidders in 2021 but they submitted competitive prices for the balance of
11 2021 miles that were otherwise not expected to be completed. They committed to
12 completing up to 30 miles of the remaining 2021 miles.

13 **Q. Combined, how much did Asplundh and ClearWay complete in 2021?**

14 A. Approximately 84 miles.

15 **Q. What had been the plan for 2021?**

16 A. 235 miles.

17 **Q. Did Chippers complete their work planned?**

18 A. No. Although Chippers committed to completing up to 30 miles of the remaining 2021
19 miles, they did not successfully transition to Liberty's property as a result of workforce
20 issues and were thus only available to work a few miles in December.

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1 **Q. Did the Company secure other crews for off-road work?**

2 A. Yes. The Company secured local specialized off-road crews to complete trimming of our
3 off-road supply lines, which is another component of the miles ClearWay had agreed to
4 trim. Since the Company was able to obtain these off-road crews, since they had capacity
5 to trim more off-road work than had been planned, and given that the Company was not
6 going to trim other planned mileage, the Company brought forward additional off road
7 work that was planned for future years to 2021 to accommodate the workforce
8 availability and needs. The Company attempted to include the 2376W circuit, but frozen
9 ground conditions were required, and the ground did not freeze until after December 31,
10 2021.

11 **Q. While Chippers could not fulfill all their trimming duties, were they valuable
12 elsewhere?**

13 A. Yes. Despite Chippers' difficulties described above, Chippers was able to fill in for
14 many emergency and storm related needs as Chippers also has an emergency Storm
15 Response contractual agreement with the Company. ClearWay's contract provided
16 support for storm response; thus, Chippers filled that role.

17 **Q. Did Liberty hire back Asplundh as its main vegetation management company in
18 2022?**

19 A. Yes. The local Asplundh crews transitioned back to Liberty and are performing work
20 successfully, but they continued to have difficulty in completing the quantity of work
21 Liberty planned due to the limited available workforce in the Northeast. The Company
22 took advantage of the availability of non-local Asplundh crews who were used for capital

1 work and, once that work was completed, the Company utilized them to perform
2 maintenance trimming.

3 **IV. 2021 BUDGET VS. ACTUAL**

4 **Q. Please provide the Company’s actual O&M spending for CY2021 versus budget.**

5 A. The major spending variances are as follows below:

6 **Table 3: O&M CY2021 Actual vs. Budget Spending**

| | CY 2021 Budgeted Expenses | CY 2021 Actual Expenses | Variance |
|--|---------------------------------|-------------------------------|------------|
| <u>VMP O&M</u> | | | |
| Work Planners for Veg Plan | \$305,000 | \$360,337 | (\$55,337) |
| Spot Tree Trimming | \$43,000 | \$32,561 | \$10,438 |
| Trouble and Restoration Maintenance | \$43,000 | \$92,917 | (\$49,917) |
| Planned Cycle Trimming | \$1,007,600 | \$907,211 | \$100,388 |
| Police Detail Expenses - Cycle Trimming | \$320,000 | \$97,435 | \$222,564 |
| Hazard Tree Removal - DE 19-064 | \$386,400 | \$59,904 | \$326,495 |
| Interim Trimming | \$30,000 | \$103,806 | (\$73,806) |
| Tree Planting | \$10,000 | \$10,245 | (\$245) |
| Sub-Transmission Right of Way Clearing | \$275,000 | \$357,521 | (\$82,521) |
| Sub-Transmission Right of Way Sideline | \$0 | \$0 | \$0 |
| Total VMP O&M Expenses | \$2,420,000 | \$2,021,940 | \$398,059 |
| Less: Reimbursements from Consolidated | \$0 | \$0 | \$0 |
| Less: Clearway Invoices | | (\$151,127) | |
| O&M Expenses Net of Consolidated Credits | \$2,420,000 | \$1,870,812.51 | \$549,187 |

7

8 **Q. Did the Company align its spending with the amount available for cost recovery?**

9 A. Yes. The Company revised its budget and spending during 2021 to more closely align
10 with the spending levels arrived in the DE 19-064 Settlement Agreement.

1 **Q. What is the breakdown of budget to actual spending variance for 2021 for**
2 **trimming?**

3 A. The Company spent \$55,337 more on work planning than anticipated. The Company
4 brought in an additional work planner to assist with the transition of a new contractors
5 and change on the system. The role increased the quality control and assurance of the
6 work and provided direct guidance and consult to the tree contractor. The Company also
7 experienced a significant amount of employee turn-over at the work planner level and
8 tree contractor level that required near continuous training and re-training. The work
9 planners were also assigned additional program need tasks and activities.

10 The Company spent \$100,389 less on planned cycle pruning due the work force issues,
11 constraints, change in contractors, and changes in price that did not allow for the
12 resources to complete the work. The work that was completed was performed at a higher
13 cost per mile. Interim trimming is generally unplanned work. The Company overspent
14 by \$73,806. The Company performed targeted hot spot work along deferred circuits.
15 Spot tree trimming was under spent \$10,439 due to deferring requested work of electric
16 service orders and customer calls.

17 **Q. What was the variance for trouble and restoration?**

18 A. The trouble and restoration budgets are for unplanned work based on actual occurrence.
19 Spending exceeded the budget by \$49,917 due to an increase in unplanned non-storm
20 related trouble call volume and support of the overhead line department. The Company
21 encountered an increased amount of actively failing or urgent off cycle work requested
22 by customers and interested parties.

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1 **Q. How much less did the Company spend on traffic control?**

2 A. The Company spent \$222,565 less than anticipated for traffic control. The deferral of
3 miles subsequently resulted in less traffic control needed.

4 **Q. Please explain the variance for tree removals.**

5 A. The Company spent \$326,495 less than budgeted on hazard tree removals due to the lack
6 of workforce. The crews that were on property focused on the miles of trimming to be
7 done.

8 **Q. Does the Company have a tree planting program?**

9 A. Yes. The Company utilizes the Arbor Day Foundation Energy Saving Trees Program for
10 education of Right Tree, Right Place and the power of effectively choosing a species and
11 location and the potential energy saving benefits, and more. The program also gives us
12 good customer relations touch points in partnering with them to make a positive
13 difference in the future of a sustainable tree canopy. The program came in at \$10,246.
14 The program price had increased more than expected from the prior year.

15 **Q. Does Liberty trim Right of Way?**

16 A. Yes. The Company trims its Sub-Transmission Right of Way areas to ensure safe and
17 reliable service in those areas. The sideline and floor work was overspent by \$82,522.
18 Asplundh was able to complete the work at a reduced price per mile and acre. They had
19 sufficient off-road crews and equipment that were able to complete the 2021 planned
20 work and pull forward some 2022 work. The Company also planned to work the

1 remainder of the 2376W circuit, but the weather was not favorable, and it was completed
2 after December 31.

3 **Q. Are the VMP expenditures for which the Company is now seeking recovery**
4 **reasonable?**

5 A. Yes. These expenditures were made for programs that are specifically described in the
6 Settlement Agreement and were necessary to achieve continued improvement in the
7 Company's system reliability. The work undertaken for vegetation management was
8 incurred for the explicit purpose of improving system reliability and is consistent with the
9 intent of the Settlement Agreement. As such, the Commission should approve recovery
10 of these expenditures and permit the requested rate adjustments to become effective for
11 usage on and after May 1, 2021.

12 **V. RATES**

13 **Q. Please provide an overview of the Company's request.**

14 A. The Company seeks to carry over \$549,187.49 of unspent CY2021 money for use in
15 2022 to help catch up on the work missed during 2021 as described above. The
16 Settlement Agreement allows for the Commission to grant such a request:

17 *The VMP spending shall be reconciled each year, with any under*
18 *spending carried into the next program year or returned to*
19 *customers, as determined by the Commission.*

20 Settlement Agreement in Docket No. DE 19-064, Hearing Exhibit 37, at 11.

21 **Q. Please describe Schedule HMT/AMH-1 attached to this testimony.**

22 A. Schedule HMT/AMH-1 provides the calculation of the O&M expenditures for CY2021.

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1 **Q. How is the VMP adjustment factor calculated?**

2 A. The Company calculates an (over)/under balance for the prior period of May 1, 2021
3 through April 30, 2022. The balance of \$12,462 was divided by forecasted kilowatt-
4 hours (kWh) of 917,255,198 for a rate of \$0.00001 per kWh added to the base
5 distribution rate for each rate class, as shown on HMT/AMH-1, page 4.

6 **Q. Please summarize the Company's actual results from the CY2021 VMP activities
7 and the level of recovery the Company is requesting.**

8 A. The actual spending for CY2021 was \$2,021,940.49 less the amount owed to ClearWay
9 for work completed in 2021 of \$151,128 for a total spending of \$1,870,813. Being that
10 the total cost of vegetation management was less than the allowed \$2,420,000, the
11 Company is requesting to carry the difference currently in rates of \$549,187.49 in to the
12 CY2022 VMP to accommodate the additional costs in 2022 to make up for work not
13 completed in 2021.

14 **Q. Has Liberty filed a lawsuit against ClearWay for damages?**

15 A. Yes. Liberty filed a breach of contract lawsuit in the Rockingham County Superior Court
16 seeking damages caused by ClearWay walking off the Company's property in 2021, as
17 described above. The case is in its early stages; no procedural schedule has been set.

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1 **Q. Given the lawsuit, has the Company included invoices from ClearWay for work**
2 **they did in early 2021 for recovery?**

3 A. No. The Company has removed the amount due to ClearWay from the total cost of the
4 work for 2021. Once the lawsuit has concluded, the Company will determine if the
5 invoices still need to be paid.

6 **Q. What is the rate change associated with the 2021 spending?**

7 A. The Company is proposing a VMP Adjustment Factor of \$0.00001 per kilowatt-hour
8 (kWh), a decrease of \$0.00063 per kWh from the \$0.00064 per kWh Adjustment Factor
9 calculated in Docket No. DE 21-049.

10 **VI. EFFECTIVE DATE AND BILL IMPACT**

11 **Q. How and when is the Company proposing that this rate change be implemented?**

12 A. The Company is proposing that these distribution rate changes be made effective for
13 service rendered on and after May 1, 2022.

14 **Q. Has the Company determined the impact of these REP/VMP rate changes on**
15 **customers' bills?**

16 A. Yes. For an Energy Service residential customer using 650 kWh per month the total bill
17 impact of the VMP rates proposed in this filing, as compared to rates in effect today, is a
18 monthly bill decrease of (\$0.41) or 0.26%.

19 **VII. CONCLUSION**

20 **Q. Does that conclude your testimony?**

21 A. Yes, it does.

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Appendix 1 - O&M Expenses**

Summary

| Line | VMP O&M | CY 2021 Budgeted Expenses (a) | CY 2021 Actual Expenses (b) | Variance (c) |
|------|---|--|--------------------------------------|-----------------|
| 1 | Work Planners for Veg Plan | \$ 305,000 | \$ 360,337 | \$ (55,337.04) |
| 2 | Spot Tree Trimming | \$ 43,000 | \$ 32,561 | \$ 10,438.98 |
| 3 | Trouble and Restoration Maintenance | \$ 43,000 | \$ 92,917 | \$ (49,917.43) |
| 4 | Planned Cycle Trimming | \$ 1,007,600 | \$ 907,211 | \$ 100,388.57 |
| 5 | Police Detail Expenses - Cycle Trimming & Other | \$ 320,000 | \$ 97,436 | \$ 222,564.50 |
| 6 | Hazard Tree Removal - DE 19-064 | \$ 386,400 | \$ 59,905 | \$ 326,495.30 |
| 7 | Interim Trimming | \$ 30,000 | \$ 103,806 | \$ (73,806.03) |
| 8 | Tree Planting | \$ 10,000 | \$ 10,246 | \$ (245.75) |
| 9 | Sub-Transmission Right of Way Clearing | \$ 275,000 | \$ 357,522 | \$ (82,521.59) |
| 10 | Sub-Transmission Right of Way Sideline | | | \$ - |
| 11 | Total VMP O&M Expenses (Over)/Under | \$ 2,420,000 | \$ 2,021,940 | \$ 398,059.51 |
| 12 | Less: Reimbursements from Consolidated | \$ - | \$ - | \$ - |
| 13 | Less: Clearway Invoices * | | \$ (151,128) | |
| 14 | VMP O&M Expenses Net of Consolidated Credits | \$ 2,420,000 | \$ 1,870,813 | \$ 549,187.49 |

- (a) Original budget for 2021
- (b) Actual spending for 2021
- (c) Column (a) - Column (b)

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Appendix 2 - O&M Expenses
CY 2021 Vegetation Management Activities

| Line | Activities | Program Plan (*) | Reference |
|------|---|--|---------------------------------------|
| 1 | Spot Tree Trimming | As needed | See Appendix 6 for definitions |
| 2 | Trouble and Restoration Maintenance | As needed | See Appendix 6 for definitions |
| 3 | Planned Cycle Trimming | 234.87 | See Appendix 6 for definitions |
| 4 | Police Detail Expenses - Cycle Trimming & Other | As needed | See Appendix 6 for definitions |
| 5 | Hazard Tree Removal | As needed | See Appendix 6 for definitions |
| 6 | Enhanced Hazard Tree Removal | As needed | See Appendix 6 for definitions |
| 7 | Interim Trimming | As needed | See Appendix 6 for definitions |
| 8 | Tree Planting | As needed | See Appendix 6 for definitions |
| 9 | | | |
| 10 | Substation | Feeder | OH Miles - Distribution |
| 11 | Spicket River #13 | 13L3 | 29.66 |
| 12 | Lebanon #1 | 1L2 | 88.57 |
| 13 | Villas Bridge #12 | 12L2 | 55.22 |
| 14 | Spicket River #13 | 13L1 | 29.06 |
| 15 | Pelham #14 | 14L1 | 28.65 |
| 16 | Mount Support #16 | 16L2 | 3.72 |
| 17 | | Total OH Miles - Distribution | 234.87 |
| 18 | | | 83.94 |
| 19 | Sub transmission | | OH Miles - Sub transmission |
| 20 | Lebanon | 1L4 / 1L1 ⁺ | 7.41x2 Miles (Side) |
| 21 | Lebanon | 1303/1304 (1363,1313,1333) | 99.22 Acres (Floor) |
| 22 | Lebanon ++ | 1L4 / 1L1 ⁺ | 88.40 Acres (Floor) |
| 23 | Salem ++ | 2376W | .28 x 2 Miles (Side) |
| 24 | Salem ++ | 2376W | 1.72 Acres (Floor) |
| 25 | | Total OH Miles - Sub transmission | 14.82 Miles & 99.22 Acres |
| 26 | | | (Original Proposed) |
| 27 | | | 14.86 Miles & 187.62 Acres |
| | | | (Final Completed) |

+ Only off-road portion treated

++ Added work

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Appendix 3 - O&M Expenses
Vegetation Management Spending by Month

| VM Only Jobs | GL Posting Month | | | | | | | | | | | | Grand Total |
|--------------------|----------------------|---------------------|-----------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------------|----------------------|------------------------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| VM1000 | \$ 36,575.98 | \$ 42,447.88 | \$ 35,358.25 | \$ (14,862.71) | \$ 57,060.21 | \$ 22,776.85 | \$ 27,067.40 | \$ 20,349.24 | \$ 23,124.13 | \$ 29,569.45 | \$ (23,962.16) | \$ 104,832.52 | \$ 360,337.04 |
| VM1010 | 1,568.88 | 818.50 | 1,443.92 | 1.13 | 6,312.22 | 4,663.03 | 5,823.19 | 2,129.60 | 2,535.02 | 3,559.19 | (3,868.35) | 7,574.69 | 32,561.02 |
| VM1210 | 13,636.72 | 2,810.67 | 3,013.74 | (1,630.76) | 13,915.62 | 10,127.75 | (12,701.58) | 16,150.02 | 18,201.73 | 11,987.94 | (12,088.50) | 29,494.08 | 92,917.43 |
| VM1215 | 50,196.02 | 1,547.40 | 46,487.00 | (63,775.02) | 107,636.74 | 80,692.85 | 260,742.07 | 78,298.67 | 137,460.30 | (5,126.10) | 58,121.28 | 154,930.22 | 907,211.43 |
| VM1218 | 3,375.00 | 11,675.00 | 10,834.00 | (20,354.00) | 37,170.00 | 5,370.00 | 32,400.00 | (6,350.00) | 461.50 | 270.00 | - | 22,584.00 | 97,435.50 |
| VM1220 | | 3,650.00 | 7,800.00 | (4,825.00) | 6,138.46 | - | 13,325.00 | (3,800.00) | 17,869.80 | 18,951.85 | (12,706.50) | 13,501.09 | 59,904.70 |
| VM1225 | 23,600.00 | - | - | (23,600.00) | 23,600.00 | - | - | - | - | - | - | 80,206.03 | 103,806.03 |
| VM1235 | | | | | | 661.05 | | | | 1,509.60 | (1,509.60) | 65,507.71 | 66,168.76 |
| VM1240 | | | | | | | | | | | | 10,245.75 | 10,245.75 |
| VM1280 | 44,200.20 | 10,642.36 | 1,584.24 | (43,859.24) | 44,830.08 | 970.12 | 102.98 | - | - | 80,622.06 | - | 152,260.03 | 291,352.83 |
| ClearWay Invoices | | | (151,127.98) | | | | | | | | | | (151,127.98) |
| Grand Total | \$ 173,152.80 | \$ 73,591.81 | \$ (44,606.83) | \$ (172,905.60) | \$ 296,663.33 | \$ 125,261.65 | \$ 326,759.06 | \$ 106,777.53 | \$ 199,652.48 | \$ 141,343.99 | \$ 3,986.17 | \$ 641,136.12 | \$ 1,870,812.51 |

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
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**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
VMP O&M Adjustment Factor
Summary of Annual Spending**

| | Actual FY <u>2008</u> (a) | Actual FY <u>2009</u> (b) | Actual FY <u>2010</u> (c) | Actual FY <u>2011</u> (d) | Actual FY <u>2012</u> (e) | Actual FY <u>2013</u> (f) | Actual CYS <u>2013</u> (f) | Actual CY <u>2014</u> (g) | Actual CY <u>2015</u> (h) | Actual CY <u>2016</u> (i) | Actual CY <u>2017</u> (j) | Actual CY <u>2018</u> (k) | Actual CY <u>2019</u> (l) | Actual CY <u>2020</u> (m) | Actual CY <u>2021</u> (n) |
|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Incremental VMP and REP O&M Spend | | | | | | | | | | | | | | | |
| 1 Actual VMP | \$2,169,258 | \$1,477,916 | \$2,556,530 | \$1,245,985 | \$1,467,486 | \$1,560,973 | \$1,055,861 | \$1,395,166 | \$1,994,184 | \$1,633,896 | \$2,495,406 | \$2,422,443 | \$2,096,528 | \$2,461,057 | \$1,870,813 |
| 2 Annual Program Budget | \$1,950,000 | \$1,473,832 | \$2,556,530 | \$1,552,000 | \$1,556,000 | \$1,721,585 | \$1,238,200 | \$1,521,200 | \$1,860,397 | \$1,948,000 | \$2,281,803 | \$2,157,086 | \$2,307,000 | \$2,200,000 | \$2,420,000 |
| 3 Amount Subject to Recovery | \$1,950,000 | \$1,473,832 | \$2,556,530 | \$1,245,985 | \$1,467,486 | \$1,560,973 | \$1,055,861 | \$1,395,166 | \$1,994,184 | \$1,633,896 | \$2,495,406 | \$2,422,443 | \$2,096,528 | \$2,420,000 | (\$549,187) |
| 4 VMP and REP Base Spending Level | \$1,950,000 | \$1,360,000 | \$1,360,000 | \$1,360,000 | \$1,360,000 | \$1,360,000 | \$1,020,000 | \$1,360,000 | \$1,360,000 | \$1,360,000 | \$1,500,000 | \$1,500,000 | \$1,500,000 | \$1,850,000 | \$2,420,000 |
| 5 Total Revenue Requirement | \$0 | \$113,832 | \$1,196,530 | (\$114,015) | \$107,486 | \$200,973 | \$35,861 | \$35,166 | \$634,184 | \$273,896 | \$995,406 | \$922,443 | \$596,528 | \$570,000 | \$0 |
| 6 Less Reimbursements from Consolidated | \$0 | \$0 | (\$148,760) | (\$644,098) | (\$402,693) | (\$253,054) | (\$311,701) | (\$245,751) | (\$288,000) | (\$350,000) | (\$442,992) | (\$478,142) | (\$495,381) | \$0 | \$0 |
| 7 Total Incremental Revenue Requirement | \$0 | \$113,832 | \$1,047,770 | (\$758,113) | (\$295,207) | (\$52,081) | (\$275,840) | (\$210,585) | \$346,184 | (\$76,104) | \$552,414 | \$444,301 | \$101,147 | \$570,000 | \$0 |
| 8 Total O&M Recovery | \$1,950,000 | \$1,473,832 | \$2,407,770 | \$601,887 | \$1,064,793 | \$1,307,919 | \$744,160 | \$1,149,415 | \$1,706,184 | \$1,283,896 | \$2,052,414 | \$1,944,301 | \$1,601,147 | \$2,420,000 | (\$549,187) |

Notes:
Line 1 2021 Actual VMP
Line 4 VMP base spending level per Docket No. DE 19-064
Line 5 Line 4 minus line 2
Line 6 Reflects reimbursements related to vegetation management expenses from Consolidated Communications
Line 7 Line 5 plus Line 6
Line 8 Line 3 plus Line 6

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
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**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Reconciliation of CY 2021 O&M Expense**

| | | Beginning Balance With Interest | Revenue | Ending Balance | Balance Subject to Interest | Effective Interest Rate | Interest | Cumulative Interest |
|------|--------|---------------------------------------|----------|-------------------|-----------------------------------|-------------------------------|----------|------------------------|
| | | (a) | (b) | (c) | (d) | (e) | (f) | (g) |
| 1 | May-21 | \$561,655 | \$23,125 | \$538,531 | \$550,093 | 3.25% | \$1,468 | \$1,468 |
| 2 | Jun-21 | \$539,999 | \$49,427 | \$490,572 | \$515,285 | 3.25% | \$1,375 | \$2,843 |
| 3 | Jul-21 | \$491,947 | \$55,037 | \$436,909 | \$464,428 | 3.25% | \$1,239 | \$4,083 |
| 4 | Aug-21 | \$438,149 | \$53,429 | \$384,720 | \$411,435 | 3.25% | \$1,098 | \$5,181 |
| 5 | Sep-21 | \$385,818 | \$54,031 | \$331,788 | \$358,803 | 3.25% | \$958 | \$6,138 |
| 6 | Oct-21 | \$332,745 | \$43,186 | \$289,560 | \$311,152 | 3.25% | \$830 | \$6,969 |
| 7 | Nov-21 | \$290,390 | \$41,051 | \$249,339 | \$269,864 | 3.25% | \$720 | \$7,689 |
| 8 | Dec-21 | \$250,059 | \$47,343 | \$202,715 | \$226,387 | 3.25% | \$604 | \$8,293 |
| 9 | Jan-22 | \$203,320 | \$50,099 | \$153,221 | \$178,270 | 3.25% | \$476 | \$8,769 |
| 10 | Feb-22 | \$153,697 | \$49,439 | \$104,258 | \$128,977 | 3.25% | \$344 | \$9,113 |
| * 11 | Mar-22 | \$104,602 | \$48,340 | \$56,262 | \$80,432 | 3.25% | \$215 | \$9,328 |
| * 12 | Apr-22 | \$56,477 | \$44,107 | \$12,370 | \$34,424 | 3.25% | \$92 | \$9,420 |
| 13 | | (Over)/Under Recovery: | | \$12,462 | | | | |

- (a) Line 1: Per Company Records
- (a) Lines 2 - 12: Prior month Column (c) + Prior month Column (f)
- (b) Revenues per the Company's Records
- (c) Column (a) - Column (b)
- (d) Average of Column (a) and Column (c)
- (e) Interest rate on customer deposits
- (f) $\text{Column (d)} \times [(1 + \text{Column (e)}) ^ (1 \div 12) - 1]$
- (g) Prior month Column (g) + Current month Column (f)
- * Estimate

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
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**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Calculation of Vegetation Management Plan Adjustment Factor
Rates Effective May 1, 2022**

| | |
|---|-----------------|
| (1) CY 2021 O&M Expense Above Base O&M Expense | \$0 |
| (2) Final Balance of Reconciliation Calendar Year Incremental O&M (Over)/Under Collection | <u>\$12,462</u> |
| (3) Vegetation Management Plan Expense | \$12,462 |
| (4) Estimated kWh deliveries May 1, 2022 - April 30, 2023 | 917,255,198 |
| (5) Vegetation Management Plan Adjustment Factor | \$0.00001 |

- (1) Schedule DBS-AMH-1, Page 2, Line 7
- (2) Schedule DBS-AMH-3, Page 1, Line 15
- (3) Line (1) + Line (2)
- (4) Per Company forecast
- (5) Line (3) ÷ Line (4), truncated after 5 decimal places

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Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
VMP Rate Presentation
Rates Effective May 1, 2022

| Rate Class | Distribution Rate Component | Current Rates | REP/VMP | May 1, 2022 Rates |
|------------|---|---------------|-------------------|-------------------|
| | | | Adjustment Factor | |
| D | Customer Charge | \$14.74 | | \$14.74 |
| | All kWh | \$0.06038 | \$0.00001 | \$0.06039 |
| | 16 Hour Off Peak kWh | \$0.05213 | \$0.00001 | \$0.05214 |
| | Farm kWh | \$0.05699 | \$0.00001 | \$0.05700 |
| | D-6 kWh | \$0.05310 | \$0.00001 | \$0.05311 |
| D-10 | Customer Charge | \$14.74 | | \$14.74 |
| | On Peak kWh | \$0.12809 | \$0.00001 | \$0.12810 |
| | Off Peak kWh | \$0.00172 | \$0.00001 | \$0.00173 |
| D-11 | Customer Charge | \$14.74 | | \$14.74 |
| | Off Peak | \$0.04441 | \$0.00001 | \$0.04442 |
| | Mid Peak | \$0.06657 | \$0.00001 | \$0.06658 |
| | Critical Peak | \$0.09478 | \$0.00001 | \$0.09479 |
| EV | Customer Charge | \$11.35 | | \$11.35 |
| | Off Peak | \$0.04441 | \$0.00001 | \$0.04442 |
| | Mid Peak | \$0.06657 | \$0.00001 | \$0.06658 |
| | Critical Peak | \$0.09478 | \$0.00001 | \$0.09479 |
| G-1 | Customer Charge | \$444.70 | | \$444.70 |
| | Demand Charge | \$9.43 | | \$9.43 |
| | On Peak kWh | \$0.00603 | \$0.00001 | \$0.00604 |
| | Off Peak kWh | \$0.00178 | \$0.00001 | \$0.00179 |
| | Credit for High Voltage Delivery > 2.4 kv | (\$0.48) | | (\$0.48) |
| G-2 | Customer Charge | \$74.11 | | \$74.11 |
| | Demand Charge | \$9.48 | | \$9.48 |
| | All kWh | \$0.00239 | \$0.00001 | \$0.00240 |
| | Credit for High Voltage Delivery > 2.4 kv | (\$0.48) | | (\$0.48) |
| G-3 | Customer Charge | \$17.03000 | | \$17.03000 |
| | All kWh | \$0.05398 | \$0.00001 | \$0.05399 |

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
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Page 5 of 7

| Rate Class | Distribution Rate Component | Current Rates | REP/VMP | May 1, 2022 Rates |
|------------|--|---------------|-------------------|-------------------|
| | | | Adjustment Factor | |
| M | Luminaire Charge Description | | | |
| | HPS 4,000 | \$8.72 | | \$8.72 |
| | HPS 9,600 | \$10.08 | | \$10.08 |
| | HPS 27,500 | \$16.73 | | \$16.73 |
| | HPS 50,000 | \$20.81 | | \$20.81 |
| | HPS 9,600 (Post Top) | \$11.83 | | \$11.83 |
| | HPS 27,500 Flood | \$16.91 | | \$16.91 |
| | HPS 50,000 Flood | \$22.58 | | \$22.58 |
| | Incandescent 1,000 | \$11.19 | | \$11.19 |
| | Mercury Vapor 4,000 | \$7.74 | | \$7.74 |
| | Mercury Vapor 8,000 | \$8.69 | | \$8.69 |
| | Mercury Vapor 22,000 | \$15.54 | | \$15.54 |
| | Mercury Vapor 63,000 | \$26.26 | | \$26.26 |
| | Mercury Vapor 22,000 Flood | \$17.78 | | \$17.78 |
| | Mercury Vapor 63,000 Flood | \$34.44 | | \$34.44 |
| LED-1 | LED-1 Fixtures | | | |
| | 30 Watt Pole Top | \$5.66 | | \$5.66 |
| | 50 Watt Pole Top | \$5.90 | | \$5.90 |
| | 130 Watt Pole Top | \$9.10 | | \$9.10 |
| | 190 Watt Pole Top | \$17.44 | | \$17.44 |
| | 30 Watt URD | \$13.18 | | \$13.18 |
| | 90 Watt Flood | \$8.96 | | \$8.96 |
| | 130 Watt Flood | \$10.31 | | \$10.31 |
| | 30 Watt Caretaker | \$5.07 | | \$5.07 |
| | Rates M, LED-1 & LED-2 Pole Accessory Charge | | | |
| | Pole -Wood | \$9.87 | | \$9.87 |
| | Fiberglass - Direct Embedded | \$10.28 | | \$10.28 |
| | Fiberglass w/Foundation <25 ft | \$17.35 | | \$17.35 |
| | Fiberglass w/Foundation >=25 ft | \$29.01 | | \$29.01 |
| | Metal Poles - Direct Embedded | \$20.68 | | \$20.68 |
| | Metal Poles with Foundation | \$24.95 | | \$24.95 |
| | Rate M, LED-1 | | | |
| | All kWh | \$0.03985 | \$0.00001 | \$0.03986 |
| | Rate LED-2 | \$0.03985 | \$0.00001 | \$0.03986 |

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
 Docket No. DE 22-XXX
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| Rate Class | Distribution Rate Component | Current Rates | REP/VMP | |
|------------|-----------------------------|---------------|-------------------|-------------------|
| | | | Adjustment Factor | May 1, 2022 Rates |
| T | Customer Charge | \$14.74 | | \$14.74 |
| | All kWh | \$0.04871 | \$0.00001 | \$0.04872 |
| V | Minimum Charge | \$17.03 | | \$17.03 |
| | All kWh | \$0.05552 | \$0.00001 | \$0.05553 |

Rates D-11 and EV are calculated through the TOU model approved in Docket DE 17-189.

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

| Usage | 650 | kWh | May 1, 2022 | | May 1, 2022 | |
|-----------------------------------|-----|-----|------------------|-------------------|-----------------|------------------|
| | | | Current Rates | Proposed Rates | Current Bill | Proposed Bill |
| Customer Charge | | | \$14.74 | \$14.74 | \$14.74 | \$14.74 |
| Distribution Charge | | | \$0.06102 | \$0.06039 | \$39.66 | \$39.26 |
| Storm Recovery Adjustment | | | \$0.00000 | \$0.00000 | \$0.00 | \$0.00 |
| Transmission Charge | | | \$0.03760 | \$0.03760 | \$24.44 | \$24.44 |
| Stranded Cost Charge | | | (\$0.00080) | (\$0.00080) | (\$0.52) | (\$0.52) |
| System Benefits Charge | | | \$0.00678 | \$0.00678 | \$4.41 | \$4.41 |
| Electricity Consumption Tax | | | \$0.00000 | \$0.00000 | <u>\$0.00</u> | <u>\$0.00</u> |
| Subtotal Retail Delivery Services | | | | | \$82.73 | \$82.32 |
| Energy Service Charge | | | \$0.11119 | \$0.11119 | <u>\$72.27</u> | <u>\$72.27</u> |
| | | | | Total Bill | \$155.00 | \$154.60 |
| | | | | | | (\$0.41) |
| | | | | | | -0.26% |

PROPOSED TARIFF PAGES

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Rate D

Availability

Retail Delivery Service under this rate is available for all domestic purposes in an individual private dwelling or an individual apartment and for farm purposes. If electricity is delivered through more than one meter, the charge for electricity delivered through each meter shall be computed separately under this rate.

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.

Rate 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

Customer Charge \$14.74 per month

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

| | |
|---|---------|
| Distribution Charge All kWh | 6.038 |
| Reliability Enhancement/Vegetation Management | 0.001 |
| <hr/> | <hr/> |
| Total Distribution All kWh | 6.039 |
| Transmission Charge | 3.703 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

Issued: XX XX, 2022X

Issued by: /s/ Neil Proudman

Neil Proudman

Effective: May 1, 2022

Title: President

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

Fifth Revised Page 91
Superseding Fourth Revised Page 91
Rate D

Off-Peak Use: 16 Hour Control

For all electricity separately metered and delivered between the hours of 11:00 p.m. on each day and 7:00 a.m. on the next day, the price of such electricity shall be:

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

| | |
|---|-------------|
| Distribution Charge Off Peak Use | 5.213 |
| Reliability Enhancement/Vegetation Management | 0.001 |
| <hr/> Total Distribution | <hr/> 5.214 |
| Transmission Charge | 3.703 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

If a Customer has installed an electric water heater of a type approved by the Company, electricity is delivered to such water heater is supplied only under this rate.

Off-Peak Use: 6 Hour Control

For all electricity separately metered and subject to the Company’s right to limit the operation of the bottom water heating element up to 6 hours a day, the price of such electricity shall be:

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

| | |
|---|-------------|
| Distribution Charge Off Peak Use | 5.310 |
| Reliability Enhancement/Vegetation Management | 0.001 |
| <hr/> Total Distribution | <hr/> 5.311 |
| Transmission Charge | 3.703 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

If a Customer has installed an electric water heater of a type approved by the Company, and electricity delivered to such water heater is supplied only under this rate

Issued: XX XX, 2022

Issued by: /s/ Neil Proudman

Effective: May 1, 2022

Title: Neil Proudman
 President

Authorized by NHPUC Order No. in Docket No. DE, dated

NHPUC NO. 21 - ELECTRICITY DELIVERY
 LIBERTY UTILITIES

Fifth Revised Page 92
 Superseding Fourth Revised Page 92
 Rate D

Farm Use

The availability of the Farm Use Section is limited to those locations which were served under the Farm Use Section of Domestic Rate D, N.H.P.U.C. No. 8 - Electricity immediately prior to the effective date of this rate. For such farm customers, where all electricity is supplied by the Company, the RATE PER MONTH is modified as follows:

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

| | |
|---|---------|
| Distribution Charge* | 5.699 |
| Reliability Enhancement/Vegetation Management | 0.001 |
| <hr/> | |
| Total Distribution | 5.700 |
| | |
| Transmission Service Cost Adjustment | 3.703 |
| Stranded Cost Adjustment Factor | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

*All Regular Use kilowatt-hours in excess of the greater of the following:

- i. 500 kilowatt-hours
- ii. 100 kilowatt-hours per kilovolt-ampere of transformer capacity needed to serve the Customer

Issued: XX XX, 2022

Issued by: /s/ Neil Proudman

Effective: May 1, 2022

Neil Proudman
 Title: President

Rate D-10 Optional Peak Load Rate

Availability

Retail Delivery Service under this rate is available for all domestic purposes in an individual private dwelling or an individual apartment and for farm purposes to selected customers presently served under Rate D.

If electricity is delivered through more than one meter, the charge for electricity delivered through each meter shall be computed separately under this rate. The availability of this rate will be subject to the Company's ability to obtain the necessary meters and to render such service.

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.

Rate 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

Customer Charge \$14.74 per month

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

| | |
|---|---------|
| Distribution Charge On Peak | 12.809 |
| Distribution Charge Off Peak | 0.172 |
| Reliability Enhancement/Vegetation Management | 0.001 |
| Total Distribution Charge On Peak | 12.810 |
| Total Distribution Charge Off Peak | 0.173 |
| Transmission Charge | 2.848 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

Peak hours will be from 8:00 a.m. to 9:00 p.m. daily on Monday through Friday excluding holidays.

Issued: XX XX, 2022

Issued by: /s/ Neil Proudman
Neil Proudman

Effective: May 1, 2022

Title: President

Rates for Retail Delivery Service

Customer Charge \$444.70 per month
Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

| | |
|---|---------|
| Distribution Charge On Peak | 0.603 |
| Distribution Charge Off Peak | 0.178 |
| Reliability Enhancement/Vegetation Management | 0.001 |
| <hr/> | |
| Total Distribution Charge On Peak | 0.604 |
| Total Distribution Charge Off Peak | 0.179 |
| Transmission Charge | 2.957 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

Demand Charges Per Kilowatt

Distribution \$9.43

Distribution Energy Charges Peak Periods

Peak hours will be from 8:00 a.m. to 9:00 p.m. daily on Monday through Friday excluding holidays.

Off-Peak hours will be from 9:00 p.m. to 8:00 a.m. daily Monday through Friday, and all day on Saturdays, Sundays, and holidays.

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.

Issued: XX XX, 2022

Issued by: /s/ Neil Proudman

Neil Proudman

Effective: May 1, 2022

Title: President

General Long Hour Service Rate G-2

Availability

Retail Delivery Service under this rate is available for all purposes except resale subject to the provisions of this section. The sale of electric vehicle charging services to a third party from an electric vehicle charging station shall not be considered resale of electricity. A Customer will take delivery service on this rate if the Company estimates that its average use will be greater than or equal to 20 kW of Demand but is less than 200 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. A customer may be transferred from rate G-2 at its request or at the option of the Company if the customer’s twelve (12) month average monthly demand is less than 180 kW of demand for three consecutive months.

If any electricity is delivered hereunder at a given location, then all electricity delivered by the Company at such location shall be furnished hereunder, except such electricity as may be delivered under the provisions of the Limited Commercial Space Heating Rate V.

Character of Service

Service supplied under this rate will be 60 cycle, three-phase alternating current normally at a nominal voltage of 120/208, 277/480, 2400, 4160, 4800, 7200, 13,200 and 13,800 volts. All voltages are not available in every area.

Rate 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

| | |
|-----------------|-------------------|
| Customer Charge | \$74.11 per month |
|-----------------|-------------------|

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

| | |
|---|-------|
| Distribution Charge | 0.239 |
| Reliability Enhancement/Vegetation Management | 0.001 |
| Total Distribution Charge | 0.240 |

Issued: XX XX, 2022

Issued by: /s/ Neil Proudman
Neil Proudman

Effective: May 1, 2022

Title: President

General Service Rate G-3

Availability

Retail Delivery Service under this rate is available for all purposes except resale. The sale of electric vehicle charging services to a third party from an electric vehicle charging station shall not be considered resale of electricity. A Customer will take delivery service on this rate if the Company estimates that its average use will be less than 20 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.

Character of Service

Service supplied under this rate will be 60 cycle, alternating current either:

- a) Single-phase normally three-wire at a nominal voltage of 120/240 volts.
- b) Three-phase secondary normally at a nominal voltage of 120/208, or 277/480 volts.
- c) Three-phase primary normally at a nominal voltage of 2400, 4160, 4800, 7200, 13,200 or 13,800 volts.

All voltages are not available in every area.

Rate Per Month

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

Rates for Retail Delivery Service

Customer Charge \$17.03 per month

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

| | |
|---|---------|
| Distribution Charge | 5.398 |
| Reliability Enhancement/Vegetation Management | 0.001 |
| <hr/> | |
| Total Distribution Charge | 5.399 |
| | |
| Transmission Charge | 3.104 |
| Stranded Cost Charge | (0.080) |
| | |
| Storm Recovery Adjustment Factor | 0.000 |

Issued: XX XX, 2022

Issued by: /s/ Neil Proudman

Effective: May 1, 2022

Neil Proudman
 Title: President

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

Fifth Revised Page 104
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Rate T

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.

Rate 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

Customer Charge \$14.74 per month

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

| | |
|---|---------|
| Distribution Charge | 4.871 |
| Reliability Enhancement/Vegetation Management | 0.001 |
| <hr/> | |
| Total Distribution Charge | 4.872 |
| Transmission Charge | 2.795 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

Terms of Agreement

A Customer served under this rate must provide the Company with one-year prior written notice before installing additional generation for its own use. This notice provision shall be waived with respect to the installation of on-site non-emergency generation from renewable energy resources. Renewable energy resources shall mean fuel cells (including natural gas powered fuel cells), and emerging power generation technologies that produce electricity from wind energy, solar energy, small-scale hydro power, ocean power, landfill gas, sustainably managed biomass, and future clean renewable technologies.

Issued: XX XX, 2022

Issued by: /s/ Neil Proudman

Effective: May 1, 2022

Neil Proudman
Title: President

Outdoor Lighting Service Rate M

Availability

Public Lighting

Available for Street or Highways and areas within the public domain for customers designated as governmental entities, inclusive of the state, municipalities, or other public authorities. Installations on limited access highways, tunnels, bridges and the access and egress ramps thereto are subject to the Special Rate Conditions of this tariff.

Private Lighting

Available to private customers for outdoor lighting of areas on private property where necessary fixtures can be supported on existing poles and where such service can be supplied from existing secondary distribution facilities.

In special circumstances outlined in the pole and accessory section below, the Company will install a wooden pole.

Lighting Services

Service under this rate is for full-night service street lighting whereby the luminaire operates for the entire night time period pursuant to the Hours of Operation provision below. In addition, customers may, at their option, take advantage of part-night service in which the luminaire operates for a portion of the night pursuant to the Hours of Operation provision below. Customers may select the part-night service option at the time of lighting installation or at any time during service. Any request to select the part-time night service option must be made in writing.

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

| | |
|---|---------|
| Distribution Charge | 4.152 |
| Reliability Enhancement/Vegetation Management | 0.001 |
| <hr/> | |
| Total Distribution | 4.153 |
| | |
| Transmission Charge | 2.179 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

No further installation or relocation of Incandescent and Mercury Vapor lights will be made after the effective date of this rate.

Issued: XX XX, 2022

Issued by: /s/ Neil Proudman

Neil Proudman

Effective: May 1, 2022

Title: President

Outdoor Lighting Service Rate LED-1

Availability

Public Lighting

Available for Street or Highways and areas within the public domain for customers designated as governmental entities, inclusive of the state, municipalities, or other public authorities. Installations on limited access highways, tunnels, bridges and the access and egress ramps thereto are subject to the Special Rate Conditions of this tariff.

Private Lighting

Available to private customers for outdoor lighting of areas on private property where necessary fixtures can be supported on existing poles and where such service can be supplied from existing secondary distribution facilities.

In special circumstances outlined in the pole and accessory section below, the Company will install a wooden pole.

Lighting Services

Service under this rate is for full-night service street lighting whereby the luminaire operates for the entire night time period pursuant to the Hours of Operation provision below. In addition, customers may, at their option, take advantage of part-night service in which the luminaire operates for a portion of the night pursuant to the Hours of Operation provision below. Customers may select the part-night service option at the time of lighting installation or at any time during service. Any request to select the part-time night service option must be made in writing.

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

| | |
|--|--------------|
| Distribution Charge | 4.152 |
| <u>Reliability Enhancement/Vegetation Management</u> | <u>0.001</u> |
| Total Distribution | 4.153 |
| Transmission Charge | 2.179 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

No further installation or relocation of Incandescent and Mercury Vapor lights will be made after the effective date of this rate.

Issued: XX XX, 2022

Issued by: /s/ Neil Proudman

Effective: May 1, 2022

Neil Proudman
Title: President

Authorized by NHPUC Order No. in Docket No. DE, dated

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, 2022, through October 31, 2022

| | |
|---|-------------------|
| Customer Charge | \$11.35 per month |
| <u>Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)</u> | |
| Distribution Charge Off Peak | 4.441 |
| Distribution Charge Mid Peak | 6.657 |
| Distribution Charge Critical Peak | 9.478 |
| Reliability Enhancement/Vegetation Management | 0.001 |
| <hr/> | |
| Total Distribution Charge Off Peak | 4.442 |
| Total Distribution Charge Mid Peak | 6.658 |
| Total Distribution Charge Critical Peak | 9.479 |
| Transmission Charge Off Peak | 0.213 |
| Transmission Charge Mid Peak | 0.590 |
| Transmission Charge Critical Peak | 23.553 |
| Energy Service Charge Off Peak | 10.659 |
| Energy Service Charge Mid Peak | 12.161 |
| Energy Service Charge Critical Peak | 12.636 |
| Stranded Cost Adjustment Factor | (0.080) |
| 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: XX XX, 2022 Issued by: /s/ Neil Proudman
Effective: May 1, 2022 Title: Neil Proudman
 President

NHPUC NO. 21 – ELECTRCITY DELIVERY
LIBERTY UTILITIES

Tenth Revised Page 125
Superseding Ninth 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, 2022, through October 31, 2022

Customer Charge \$14.74 per month

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

| | |
|---|---------|
| Distribution Charge Off Peak | 4.441 |
| Distribution Charge Mid Peak | 6.657 |
| Distribution Charge Critical Peak | 9.478 |
| Reliability Enhancement/Vegetation Management | 0.001 |
| <hr/> | |
| Total Distribution Charge Off Peak | 4.442 |
| Total Distribution Charge Mid Peak | 6.658 |
| Total Distribution Charge Critical Peak | 9.479 |
| | |
| Transmission Charge Off Peak | 0.213 |
| Transmission Charge Mid Peak | 0.590 |
| Transmission Charge Critical Peak | 23.553 |
| | |
| Energy Service Charge Off Peak | 10.659 |
| Energy Service Charge Mid Peak | 12.161 |
| Energy Service Charge Critical Peak | 12.636 |
| | |
| Stranded Cost Adjustment Factor | (0.080) |
| 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: XX XX, 2022

Issued by: /s/ Neil Proudman

Effective: May 1, 2022

Neil Proudman
Title: President

RATES EFFECTIVE MAY 1, 2022
FOR USAGE ON AND AFTER MAY 1, 2022

| Rate | Blocks | Distribution Charge | REP/VMP | Net Distribution Charge | Transmission Charge | Stranded Cost Charge | Storm Recovery Adjustment Factor | System Benefits Charge | Electricity Consumption Tax | Total Delivery Service | Energy Service | Total Rate |
|---|-----------------|---------------------|---------|-------------------------|---------------------|----------------------|----------------------------------|------------------------|-----------------------------|------------------------|-------------------------------------|------------|
| D | Customer Charge | \$ 14.74 | | 14.74 | | | | | | 14.74 | | \$ 14.74 |
| | All kWh | \$ 0.06038 | 0.00001 | 0.06039 | 0.03703 | (0.00080) | - | 0.06780 | - | 0.16442 | 0.11119 | \$ 0.27561 |
| Off Peak Water Heating Use 16 Hour Control ¹ | All kWh | \$ 0.05213 | 0.00001 | 0.05214 | 0.03703 | (0.00080) | - | 0.06780 | - | 0.15617 | 0.11119 | \$ 0.26736 |
| Off Peak Water Heating Use 6 Hour Control ¹ | All kWh | \$ 0.05310 | 0.00001 | 0.05311 | 0.03703 | (0.00080) | - | 0.06780 | - | 0.15714 | 0.11119 | \$ 0.26833 |
| Farm ¹ | All kWh | \$ 0.05699 | 0.00001 | 0.05700 | 0.03703 | (0.00080) | - | 0.06780 | - | 0.16103 | 0.11119 | \$ 0.27222 |
| D-10 | Customer Charge | \$ 14.74 | | 14.74 | | | | | | 14.74 | | \$ 14.74 |
| | On Peak kWh | \$ 0.12809 | 0.00001 | 0.12810 | 0.02848 | (0.00080) | - | 0.06780 | - | 0.22358 | 0.11119 | \$ 0.33477 |
| | Off Peak kWh | \$ 0.00172 | 0.00001 | 0.00173 | 0.02848 | (0.00080) | - | 0.06780 | - | 0.09721 | 0.11119 | \$ 0.20840 |
| G-1 | Customer Charge | \$ 444.70 | | 444.70 | | | | | | 444.70 | | \$ 444.70 |
| | Demand Charge | \$ 9.43 | | 9.43 | | | | | | 9.43 | | \$ 9.43 |
| | On Peak kWh | \$ 0.00603 | 0.00001 | 0.00604 | 0.02957 | (0.00080) | - | 0.06780 | - | 0.10261 | | \$ 0.10261 |
| | | | | | | | | | | | Effective 2/1/22, usage on or after | \$ 0.30519 |
| | | | | | | | | | | | Effective 3/1/22, usage on or after | \$ 0.23683 |
| | | | | | | | | | | | Effective 4/1/22, usage on or after | \$ 0.19246 |
| | | | | | | | | | | | Effective 5/1/22, usage on or after | \$ 0.17345 |
| | | | | | | | | | | | Effective 6/1/22, usage on or after | \$ 0.17704 |
| | | | | | | | | | | | Effective 7/1/22, usage on or after | \$ 0.18585 |
| | Off Peak kWh | \$ 0.00178 | 0.00001 | 0.00179 | 0.02957 | (0.00080) | - | 0.06780 | - | 0.09836 | | \$ 0.09836 |
| | | | | | | | | | | | Effective 2/1/22, usage on or after | \$ 0.30094 |
| | | | | | | | | | | | Effective 3/1/22, usage on or after | \$ 0.23258 |
| | | | | | | | | | | | Effective 4/1/22, usage on or after | \$ 0.18821 |
| | | | | | | | | | | | Effective 5/1/22, usage on or after | \$ 0.16920 |
| | | | | | | | | | | | Effective 6/1/22, usage on or after | \$ 0.17279 |
| | | | | | | | | | | | Effective 7/1/22, usage on or after | \$ 0.18160 |
| G-2 | Customer Charge | \$ 74.11 | | 74.11 | | | | | | 74.11 | | \$ 74.11 |
| | Demand Charge | \$ 9.48 | | 9.48 | | | | | | 9.48 | | \$ 9.48 |
| | All kWh | \$ 0.00239 | 0.00001 | 0.00240 | 0.03418 | (0.00080) | - | 0.06780 | - | 0.10358 | | \$ 0.10358 |
| | | | | | | | | | | | Effective 2/1/22, usage on or after | \$ 0.30616 |
| | | | | | | | | | | | Effective 3/1/22, usage on or after | \$ 0.23780 |
| | | | | | | | | | | | Effective 4/1/22, usage on or after | \$ 0.19343 |
| | | | | | | | | | | | Effective 5/1/22, usage on or after | \$ 0.17442 |
| | | | | | | | | | | | Effective 6/1/22, usage on or after | \$ 0.17801 |
| | | | | | | | | | | | Effective 7/1/22, usage on or after | \$ 0.18682 |
| G-3 | Customer Charge | \$ 17.03 | | 17.03 | | | | | | 17.03 | | \$ 17.03 |
| | All kWh | \$ 0.05398 | 0.00001 | 0.05399 | 0.03104 | (0.00080) | - | 0.06780 | - | 0.15203 | 0.11119 | \$ 0.26322 |
| T | Customer Charge | \$ 14.74 | | 14.74 | | | | | | 14.74 | | \$ 14.74 |
| | All kWh | \$ 0.04871 | 0.00001 | 0.04872 | 0.02795 | (0.00080) | - | 0.06780 | - | 0.14367 | 0.11119 | \$ 0.25486 |
| V | Minimum Charge | \$ 17.03 | | 17.03 | | | | | | 17.03 | | \$ 17.03 |
| | All kWh | \$ 0.05552 | 0.00001 | 0.05553 | 0.02456 | (0.00080) | - | 0.06780 | - | 0.14709 | 0.11119 | \$ 0.25828 |

¹ Rate is a subset of Domestic Rate D

Dated: xx xx, 20xx
Effective: May 1, 2022

Issued by: /s/Neil Proudman
Neil Proudman
Title: President

Authorized by NHPUC Order No. in Docket No. DE , dated

RATES EFFECTIVE MAY 1, 2022
FOR USAGE ON AND AFTER MAY 1, 2022

| Rate | Blocks | Distribution Charge | REP/VMP | Net Distribution Charge | Transmission Charge | Stranded Cost Charge | Storm Recovery Adjustment Factor | System Benefits Charge | Electricity Consumption Tax | Total Delivery Service | Energy Service | Total Rate |
|-----------|---|---------------------|-----------|-------------------------|---------------------|----------------------|----------------------------------|------------------------|-----------------------------|------------------------|----------------|------------|
| | Customer Charge | \$14.74 | | \$14.74 | | | | | | | | \$14.74 |
| | <u>Monday through Friday</u> | | | | | | | | | | | |
| D-11 | Off Peak | \$0.04441 | \$0.00001 | \$0.04442 | \$0.00213 | (\$0.00080) | - | \$0.06780 | - | \$0.11355 | \$0.10659 | \$0.22014 |
| | Mid Peak | \$0.06657 | \$0.00001 | \$0.06658 | \$0.00590 | (\$0.00080) | - | \$0.06780 | - | \$0.13948 | \$0.12161 | \$0.26109 |
| | Critical Peak | \$0.09478 | \$0.00001 | \$0.09479 | \$0.23553 | (\$0.00080) | - | \$0.06780 | - | \$0.39732 | \$0.12636 | \$0.52368 |
| | <u>Saturday through Sunday and Holidays</u> | | | | | | | | | | | |
| | Off Peak | \$0.04441 | \$0.00001 | \$0.04442 | \$0.00213 | (\$0.00080) | - | \$0.06780 | - | \$0.11355 | \$0.10659 | \$0.22014 |
| | Mid Peak | \$0.06657 | \$0.00001 | \$0.06658 | \$0.00590 | (\$0.00080) | - | \$0.06780 | - | \$0.13948 | \$0.12161 | \$0.26109 |
| | Customer Charge | \$11.35 | | \$11.35 | | | | | | | | \$11.35 |
| | <u>Monday through Friday</u> | | | | | | | | | | | |
| Rate EV | Off Peak | \$0.04441 | \$0.00001 | \$0.04442 | \$0.00213 | (\$0.00080) | - | \$0.06780 | - | \$0.11355 | \$0.10659 | \$0.22014 |
| | Mid Peak | \$0.06657 | \$0.00001 | \$0.06658 | \$0.00590 | (\$0.00080) | - | \$0.06780 | - | \$0.13948 | \$0.12161 | \$0.26109 |
| | Critical Peak | \$0.09478 | \$0.00001 | \$0.09479 | \$0.23553 | (\$0.00080) | - | \$0.06780 | - | \$0.39732 | \$0.12636 | \$0.52368 |
| | <u>Saturday through Sunday and Holidays</u> | | | | | | | | | | | |
| | Off Peak | \$0.04441 | \$0.00001 | \$0.04442 | \$0.00213 | (\$0.00080) | - | \$0.06780 | - | \$0.11355 | \$0.10659 | \$0.22014 |
| | Mid Peak | \$0.06657 | \$0.00001 | \$0.06658 | \$0.00590 | (\$0.00080) | - | \$0.06780 | - | \$0.13948 | \$0.12161 | \$0.26109 |
| | <u>Luminaire Charge</u> | | | | | | | | | | | |
| | HPS 4,000 | \$8.72 | | \$8.72 | | | | | | | | \$8.72 |
| | HPS 9,600 | \$10.08 | | \$10.08 | | | | | | | | \$10.08 |
| | HPS 27,500 | \$16.73 | | \$16.73 | | | | | | | | \$16.73 |
| | HPS 50,000 | \$20.81 | | \$20.81 | | | | | | | | \$20.81 |
| | HPS 9,600 (Post Top) | \$11.83 | | \$11.83 | | | | | | | | \$11.83 |
| | HPS 27,500 Flood | \$16.91 | | \$16.91 | | | | | | | | \$16.91 |
| M | HPS 50,000 Flood | \$22.58 | | \$22.58 | | | | | | | | \$22.58 |
| | Incandescent 1,000 | \$11.19 | | \$11.19 | | | | | | | | \$11.19 |
| | Mercury Vapor 4,000 | \$7.74 | | \$7.74 | | | | | | | | \$7.74 |
| | Mercury Vapor 8,000 | \$8.69 | | \$8.69 | | | | | | | | \$8.69 |
| | Mercury Vapor 22,000 | \$15.54 | | \$15.54 | | | | | | | | \$15.54 |
| | Mercury Vapor 63,000 | \$26.26 | | \$26.26 | | | | | | | | \$26.26 |
| | Mercury Vapor 22,000 Flood | \$17.78 | | \$17.78 | | | | | | | | \$17.78 |
| | Mercury Vapor 63,000 Flood | \$34.44 | | \$34.44 | | | | | | | | \$34.44 |
| | <u>Luminaire Charge</u> | | | | | | | | | | | |
| | 30 Watt Pole Top | \$5.66 | | \$5.66 | | | | | | | | \$5.66 |
| | 50 Watt Pole Top | \$5.90 | | \$5.90 | | | | | | | | \$5.90 |
| | 130 Watt Pole Top | \$9.10 | | \$9.10 | | | | | | | | \$9.10 |
| LED-1 | 190 Watt Pole Top | \$17.44 | | \$17.44 | | | | | | | | \$17.44 |
| | 30 Watt URD | \$13.18 | | \$13.18 | | | | | | | | \$13.18 |
| | 90 Watt Flood | \$8.96 | | \$8.96 | | | | | | | | \$8.96 |
| | 130 Watt Flood | \$10.31 | | \$10.31 | | | | | | | | \$10.31 |
| | 30 Watt Caretaker | \$5.07 | | \$5.07 | | | | | | | | \$5.07 |
| | <u>Pole - Wood</u> | \$9.87 | | \$9.87 | | | | | | | | \$9.87 |
| | Fiberglass - Direct Embedded | \$10.28 | | \$10.28 | | | | | | | | \$10.28 |
| | Fiberglass w/Foundation <25 ft | \$17.35 | | \$17.35 | | | | | | | | \$17.35 |
| | Fiberglass w/Foundation >=25 ft | \$29.01 | | \$29.01 | | | | | | | | \$29.01 |
| | Metal Poles - Direct Embedded | \$20.68 | | \$20.68 | | | | | | | | \$20.68 |
| | Metal Poles with Foundation | \$24.95 | | \$24.95 | | | | | | | | \$24.95 |
| M & LED-1 | All kWh | \$0.04152 | \$0.00001 | \$0.04153 | \$0.02179 | (\$0.00080) | \$0.00000 | \$0.06780 | \$0.00000 | \$0.13032 | \$0.11119 | \$0.24151 |
| LED-2 | All kWh | \$0.04152 | \$0.00001 | \$0.04153 | \$0.02179 | (\$0.00080) | \$0.00000 | \$0.06780 | \$0.00000 | \$0.13032 | \$0.11119 | \$0.24151 |

Dated: xx xx, 20xx
Effective: May 1, 2022

Issued by: /s/Neil Proudman
Neil Proudman
Title: President

Authorized by NHPUC Order No. in Docket No. DE , dated

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

~~Fifth~~^{Fourth} Revised Page 90
Superseding ~~Fourth~~^{Third} Revised Page 90
Rate D

Rate D

Availability

Retail Delivery Service under this rate is available for all domestic purposes in an individual private dwelling or an individual apartment and for farm purposes. If electricity is delivered through more than one meter, the charge for electricity delivered through each meter shall be computed separately under this rate.

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.

Rate 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

| | |
|-----------------|-------------------|
| Customer Charge | \$14.74 per month |
|-----------------|-------------------|

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

| | |
|---|----------------------------------|
| Distribution Charge All kWh | 6.038 |
| Reliability Enhancement/Vegetation Management | 0.00 164 |
| <hr/> | <hr/> |
| Total Distribution All kWh | 6. 039 ⁴⁰² |
| | |
| Transmission Charge | 3.703 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

| | |
|--|---|
| Issued: November 22, 2021 ^{XX XX, 2022X} | Issued by: <u> /s/ Neil Proudman </u> |
| | Neil Proudman |
| Effective: May ^{November} 1, 2022 + | Title: <u> President </u> |

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

~~Fifth~~^{Fourth} Revised Page 91
Superseding ~~Fourth~~^{Third} Revised Page 91
Rate D

Off-Peak Use: 16 Hour Control

For all electricity separately metered and delivered between the hours of 11:00 p.m. on each day and 7:00 a.m. on the next day, the price of such electricity shall be:

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

| | |
|---|-----------------|
| Distribution Charge Off Peak Use | 5.213 |
| Reliability Enhancement/Vegetation Management | 0.00 <u>164</u> |
| Total Distribution | 5.2 <u>1477</u> |
| Transmission Charge | 3.703 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

If a Customer has installed an electric water heater of a type approved by the Company, electricity is delivered to such water heater is supplied only under this rate.

Off-Peak Use: 6 Hour Control

For all electricity separately metered and subject to the Company's right to limit the operation of the bottom water heating element up to 6 hours a day, the price of such electricity shall be:

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

| | |
|---|-----------------|
| Distribution Charge Off Peak Use | 5.310 |
| Reliability Enhancement/Vegetation Management | 0.00 <u>164</u> |
| Total Distribution | 5.3 <u>1174</u> |
| Transmission Charge | 3.703 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

If a Customer has installed an electric water heater of a type approved by the Company, and electricity delivered to such water heater is supplied only under this rate

Issued: ~~XX XX, 2022~~November 22, 2021 Issued by: /s/ Neil Proudman
Neil Proudman
Effective: ~~May~~November 1, 2022+ Title: President

Authorized by NHPUC Order No. ~~26,537~~ in Docket No. DE-~~19-064~~, dated ~~October 29, 2021~~

NHPUC NO. 21 - ELECTRICITY DELIVERY
 LIBERTY UTILITIES

~~Fifteenth~~ Revised Page 92
 Superseding ~~FourthThird~~ Revised Page 92
 Rate D

Farm Use

The availability of the Farm Use Section is limited to those locations which were served under the Farm Use Section of Domestic Rate D, N.H.P.U.C. No. 8 - Electricity immediately prior to the effective date of this rate. For such farm customers, where all electricity is supplied by the Company, the RATE PER MONTH is modified as follows:

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

| | |
|---|--------------------|
| Distribution Charge* | 5.699 |
| Reliability Enhancement/Vegetation Management | 0.00164 |
| <hr/> | <hr/> |
| Total Distribution | 5.70063 |
| | |
| Transmission Service Cost Adjustment | 3.703 |
| Stranded Cost Adjustment Factor | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

*All Regular Use kilowatt-hours in excess of the greater of the following:
 i. 500 kilowatt-hours
 ii. 100 kilowatt-hours per kilovolt-ampere of transformer capacity needed to serve the Customer

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 Neil Proudman
 Title: President

Effective: ~~May~~ November 1, 2022~~+~~

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Rate D-10 Optional Peak Load Rate

Availability

Retail Delivery Service under this rate is available for all domestic purposes in an individual private dwelling or an individual apartment and for farm purposes to selected customers presently served under Rate D.

If electricity is delivered through more than one meter, the charge for electricity delivered through each meter shall be computed separately under this rate. The availability of this rate will be subject to the Company's ability to obtain the necessary meters and to render such service.

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.

Rate 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

Customer Charge \$14.74 per month

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

Distribution Charge On Peak 12.809

Distribution Charge Off Peak 0.172

Reliability Enhancement/Vegetation Management

0.00164

Total Distribution Charge On Peak 12.81073

Total Distribution Charge Off Peak 0.173236

Transmission Charge 2.848

Stranded Cost Charge (0.080)

Storm Recovery Adjustment Factor 0.000

Peak hours will be from 8:00 a.m. to 9:00 p.m. daily on Monday through Friday excluding holidays.

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Issued by: _____ /s/ Neil Proudman

Neil Proudman

Effective: ~~May~~ November 1, 2022~~1~~

Title: President

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

~~Fifth~~^{fourth} Revised Page 96
Superseding ~~Fourth~~^{Third} Revised Page 96
Rate G-1

Rates for Retail Delivery Service

Customer Charge \$444.70 per month
Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

| | |
|---|----------|
| Distribution Charge On Peak | 0.603 |
| Distribution Charge Off Peak | 0.178 |
| Reliability Enhancement/Vegetation Management | 0.00164 |
| <hr/> | |
| Total Distribution Charge On Peak | 0.60467 |
| Total Distribution Charge Off Peak | 0.179242 |

| | |
|----------------------|---------|
| Transmission Charge | 2.957 |
| Stranded Cost Charge | (0.080) |

| | |
|----------------------------------|-------|
| Storm Recovery Adjustment Factor | 0.000 |
|----------------------------------|-------|

Demand Charges Per Kilowatt

| | |
|--------------|--------|
| Distribution | \$9.43 |
|--------------|--------|

Distribution Energy Charges Peak Periods

Peak hours will be from 8:00 a.m. to 9:00 p.m. daily on Monday through Friday excluding holidays.

Off-Peak hours will be from 9:00 p.m. to 8:00 a.m. daily Monday through Friday, and all day on Saturdays, Sundays, and holidays.

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.

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NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

~~Fourth~~^{Third} Revised Page 98
Superseding ~~Third~~^{Second} Revised Page 98
Rate G-2

General Long Hour Service Rate G-2

Availability

Retail Delivery Service under this rate is available for all purposes except resale subject to the provisions of this section. The sale of electric vehicle charging services to a third party from an electric vehicle charging station shall not be considered resale of electricity. A Customer will take delivery service on this rate if the Company estimates that its average use will be greater than or equal to 20 kW of Demand but is less than 200 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. A customer may be transferred from rate G-2 at its request or at the option of the Company if the customer’s twelve (12) month average monthly demand is less than 180 kW of demand for three consecutive months.

If any electricity is delivered hereunder at a given location, then all electricity delivered by the Company at such location shall be furnished hereunder, except such electricity as may be delivered under the provisions of the Limited Commercial Space Heating Rate V.

Character of Service

Service supplied under this rate will be 60 cycle, three-phase alternating current normally at a nominal voltage of 120/208, 277/480, 2400, 4160, 4800, 7200, 13,200 and 13,800 volts. All voltages are not available in every area.

Rate 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

Customer Charge \$74.11 per month

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

| | |
|---|----------|
| Distribution Charge | 0.239 |
| Reliability Enhancement/Vegetation Management | 0.00164 |
| <hr/> | |
| Total Distribution Charge | 0.240303 |

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Effective: ~~May~~November 1, 2022+ Title: President

General Service Rate G-3

Availability

Retail Delivery Service under this rate is available for all purposes except resale. The sale of electric vehicle charging services to a third party from an electric vehicle charging station shall not be considered resale of electricity. A Customer will take delivery service on this rate if the Company estimates that its average use will be less than 20 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.

Character of Service

Service supplied under this rate will be 60 cycle, alternating current either:

- a) Single-phase normally three-wire at a nominal voltage of 120/240 volts.
- b) Three-phase secondary normally at a nominal voltage of 120/208, or 277/480 volts.
- c) Three-phase primary normally at a nominal voltage of 2400, 4160, 4800, 7200, 13,200 or 13,800 volts.

All voltages are not available in every area.

Rate Per Month

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

Rates for Retail Delivery Service

Customer Charge \$17.03 per month

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

| | |
|---|---------------|
| Distribution Charge | 5.398 |
| Reliability Enhancement/Vegetation Management | 0.00164 |
| Total Distribution Charge | 5.3994 |
| | 62 |
| Transmission Charge | 3.104 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

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Issued by: /s/ Neil Proudman

Effective: ~~November 1, 2022~~

Title: Neil Proudman
President

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NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

~~Fifth~~^{Fourth} Revised Page 107
Superseding ~~Fourth~~^{Third} Revised Page 107
Rate V

Rates for Retail Delivery Service

| | |
|---|-------------------|
| Customer Charge | \$17.03 per month |
| <u>Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)</u> | |
| Distribution Charge | 5.552 |
| Reliability Enhancement/Vegetation Management | 0.00164 |
| Total Distribution Charge | 5.55366 |
| Transmission Charge | 2.456 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

Terms of Agreement

A Customer served under this rate must provide the Company with one-year prior written notice before installing additional on-site, non-emergency generation for its own use. This notice provision shall be waived with respect to the installation of on-site non-emergency generation from renewable energy resources. Renewable energy resources shall mean fuel cells (including natural gas powered fuel cells), and emerging power generation technologies that produce electricity from wind energy, solar energy, small-scale hydro power, ocean power, landfill gas, sustainably managed biomass, and future clean renewable technologies.

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Title: President

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Outdoor Lighting Service Rate M

Availability

Public Lighting

Available for Street or Highways and areas within the public domain for customers designated as governmental entities, inclusive of the state, municipalities, or other public authorities. Installations on limited access highways, tunnels, bridges and the access and egress ramps thereto are subject to the Special Rate Conditions of this tariff.

Private Lighting

Available to private customers for outdoor lighting of areas on private property where necessary fixtures can be supported on existing poles and where such service can be supplied from existing secondary distribution facilities.

In special circumstances outlined in the pole and accessory section below, the Company will install a wooden pole.

Lighting Services

Service under this rate is for full-night service street lighting whereby the luminaire operates for the entire night time period pursuant to the Hours of Operation provision below. In addition, customers may, at their option, take advantage of part-night service in which the luminaire operates for a portion of the night pursuant to the Hours of Operation provision below. Customers may select the part-night service option at the time of lighting installation or at any time during service. Any request to select the part-time night service option must be made in writing.

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

| | |
|---|-----------------|
| Distribution Charge | 4.152 |
| Reliability Enhancement/Vegetation Management | 0.00164 |
| Total Distribution | 4.153216 |
| Transmission Charge | 2.179 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

No further installation or relocation of Incandescent and Mercury Vapor lights will be made after the effective date of this rate.

Issued: ~~November 22, 2021~~ XX XX, 2022

Issued by: /s/ Neil Proudman

Effective: ~~May~~ November 1, 2022

Title: President

Authorized by NHPUC Order No. ~~26,537~~ in Docket No. DE ~~19-064~~, dated ~~October 29, 2021~~

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

~~Fifth~~^{fourth} Revised Page 114
Superseding ~~Fourth~~^{Third} Revised Page 114
Rate LED-1

Outdoor Lighting Service Rate LED-1

Availability

Public Lighting

Available for Street or Highways and areas within the public domain for customers designated as governmental entities, inclusive of the state, municipalities, or other public authorities. Installations on limited access highways, tunnels, bridges and the access and egress ramps thereto are subject to the Special Rate Conditions of this tariff.

Private Lighting

Available to private customers for outdoor lighting of areas on private property where necessary fixtures can be supported on existing poles and where such service can be supplied from existing secondary distribution facilities.

In special circumstances outlined in the pole and accessory section below, the Company will install a wooden pole.

Lighting Services

Service under this rate is for full-night service street lighting whereby the luminaire operates for the entire night time period pursuant to the Hours of Operation provision below. In addition, customers may, at their option, take advantage of part-night service in which the luminaire operates for a portion of the night pursuant to the Hours of Operation provision below. Customers may select the part-night service option at the time of lighting installation or at any time during service. Any request to select the part-time night service option must be made in writing.

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

| | |
|---|----------|
| Distribution Charge | 4.152 |
| Reliability Enhancement/Vegetation Management | 0.00164 |
| Total Distribution | 4.153216 |
| Transmission Charge | 2.179 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

No further installation or relocation of Incandescent and Mercury Vapor lights will be made after the effective date of this rate.

Issued: ~~November 22, 2021~~ XX XX, 2022 Issued by: /s/ Neil Proudman
Neil Proudman
Effective: ~~May~~ November 1, 2022+ Title: President

Authorized by NHPUC Order No. ~~26,537~~ in Docket No. DE ~~19-064~~, dated ~~October 29, 2021~~

Additional Requirements

Fixtures must be provided by the Customer for installation on the Company's facilities. Fixtures shall be accepted by the Company in advance of installation and must be compatible with existing line voltage and brackets, and must require no special tools or training to install and maintain. Customers who are replacing existing fixtures with LED fixtures are responsible for the cost of removal and installation. Customers may choose to have this work completed by the Company or may opt to hire and pay a private line contractor to perform the work. Any private contractor shall have all the requisite training, certifications and insurance to safely perform the required installations, and shall be licensed by the State and accepted by the Company. Prior to commencement of work, the municipality must provide written certification of the qualifications to the Company. Contractors shall coordinate the installation work with the Company and submit a work plan subject to approval by the Company, including provisions for either returning removed fixtures to the Company or otherwise disposing of them as approved by the Company. The Customer shall bear all expenses related to the use of such labor, including any expenses arising from damage to the Company's electrical system caused by the contractor's actions.

Monthly Rates:

The energy charges for each luminaire will be determined by multiplying the energy charges per kilowatt-hour by the average monthly kilowatt-hours. The Customer is responsible for providing the list of fixtures and wattages to allow the Company to calculate the kWh to be billed. The kWh will be calculated based on the 2020 Farmer's Almanac hours of daylight.

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

| | |
|---|--|
| Distribution Charge per kWh | 4.152 |
| Reliability Enhancement/Vegetation Management | 0.00 16 ⁴ |
| <hr/> Total Distribution | <hr/> 4. 1532 ¹⁶ |
| Transmission Charge | 2.179 |
| Stranded Cost Charge | (0.080) |
| Storm Recovery Adjustment Factor | 0.000 |

For the alternative schedule, the monthly kWh shall be determined as set forth under Use of Advanced Controls.

Failure of Lights to Burn

Should any light fail to burn for the full period provided above, a deduction will be made from the calculated monthly kWh of such light, upon presentation of a claim from the Customer. The provisions of this paragraph do not apply when failure to burn is due to an act of God, or an act or order of any Public Authority or accidental or malicious breakage, provided, however, the necessary repairs are made with reasonable dispatch upon notification by the Customer.

| | |
|--|---|
| Issued: November 22, 2021 ^{XX XX, 2022} | Issued by: <u> /s/ Neil Proudman</u> |
| | Neil Proudman |
| Effective: May ^{November} 1, 202 1 ² | Title: <u> President</u> |

NHPUC NO. 21 - ELECTRICITY DELIVERY
LIBERTY UTILITIES

~~Tenth~~^{Ninth} Revised Page 123
Superseding ~~Ninth~~^{Eighth} 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, 2022, November 1, 2021~~ through ~~October 31, 2022, April 30, 2022~~

| | |
|---|-------------------|
| Customer Charge | \$11.35 per month |
| <u>Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)</u> | |
| Distribution Charge Off Peak | 4.441 |
| Distribution Charge Mid Peak | 6.657 |
| Distribution Charge Critical Peak | 9.478 |
| Reliability Enhancement/Vegetation Management | 0.00164 |
| Total Distribution Charge Off Peak | 4.442505 |
| Total Distribution Charge Mid Peak | 6.658721 |
| Total Distribution Charge Critical Peak | 9.479542 |
| Transmission Charge Off Peak | 0.213 |
| Transmission Charge Mid Peak | 0.590 |
| Transmission Charge Critical Peak | 23.553 |
| Energy Service Charge Off Peak | 10.659 |
| Energy Service Charge Mid Peak | 12.161 |
| Energy Service Charge Critical Peak | 12.636 |
| Stranded Cost Adjustment Factor | (0.080) |
| 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: ~~XX XX, 2022, January 10, 2022~~ Issued by: /s/ Neil Proudman
Neil Proudman
Effective: ~~May~~^{February} 1, 2022 Title: President

NHPUC NO. 21 – ELECTRCITY DELIVERY
LIBERTY UTILITIES

~~TenthNinth~~ Revised Page 125
Superseding ~~NinthEighth~~ 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, 2022~~~~November 1, 2021~~, through ~~October 31~~~~April 30~~, 2022

Customer Charge \$14.74 per month

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

| | |
|---|------------------------------|
| Distribution Charge Off Peak | 4.441 |
| Distribution Charge Mid Peak | 6.657 |
| Distribution Charge Critical Peak | 9.478 |
| Reliability Enhancement/Vegetation Management | 0.00 <u>164</u> |
| Total Distribution Charge Off Peak | 4. 442 <u>505</u> |
| Total Distribution Charge Mid Peak | 6. 658 <u>721</u> |
| Total Distribution Charge Critical Peak | 9. 479 <u>542</u> |
| Transmission Charge Off Peak | 0.213 |
| Transmission Charge Mid Peak | 0.590 |
| Transmission Charge Critical Peak | 23.553 |
| Energy Service Charge Off Peak | 10.659 |
| Energy Service Charge Mid Peak | 12.161 |
| Energy Service Charge Critical Peak | 12.636 |
| Stranded Cost Adjustment Factor | (0.080) |
| 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: ~~XX XX, 2022~~~~January 10, 2022~~

Issued by: /s/ Neil Proudman

Effective: ~~May~~~~February~~ 1, 2022

Neil Proudman
Title: President

RATES EFFECTIVE MARCH 1, 2022
FOR USAGE ON AND AFTER MARCH 1, 2022

| Rate | Blocks | Distribution Charge | REP/ VMP | Net Distribution Charge | Transmission Charge | Stranded Cost Charge | Storm Recovery Adjustment Factor | System Benefits Charge | Electricity Consumption Tax | Total Delivery Service | Energy Service | Total Rate |
|---|-----------------|---------------------|-------------|-------------------------------|------------------------|----------------------------|---|------------------------------|-----------------------------------|-------------------------------------|-------------------|---------------|
| D | Customer Charge | \$ 14.74 | | 14.74 | | | | | | 14.74 | | \$ 14.74 |
| | All kWh | \$ 0.06038 | -0.00064 | 0.06102 | 0.03703 | (0.00080) | - | 0.06780 | - | -0.16505 | 0.11119 | \$ -0.27624 |
| Off Peak Water Heating Use 16 Hour Control ¹ | All kWh | \$ 0.05213 | -0.00064 | 0.05277 | 0.03703 | (0.00080) | - | 0.06780 | - | -0.15680 | 0.11119 | \$ -0.26799 |
| Off Peak Water Heating Use 6 Hour Control ¹ | All kWh | \$ 0.05310 | -0.00064 | 0.05374 | 0.03703 | (0.00080) | - | 0.06780 | - | -0.15777 | 0.11119 | \$ -0.26896 |
| Farm ¹ | All kWh | \$ 0.05699 | -0.00064 | 0.05763 | 0.03703 | (0.00080) | - | 0.06780 | - | -0.16166 | 0.11119 | \$ -0.27285 |
| D-10 | Customer Charge | \$ 14.74 | | 14.74 | | | | | | 14.74 | | \$ 14.74 |
| | On Peak kWh | \$ 0.12809 | -0.00064 | 0.12873 | 0.02848 | (0.00080) | - | 0.06780 | - | -0.22421 | 0.11119 | \$ -0.33540 |
| | Off Peak kWh | \$ 0.00172 | -0.00064 | 0.00236 | 0.02848 | (0.00080) | - | 0.06780 | - | -0.09784 | 0.11119 | \$ -0.20903 |
| | Customer Charge | \$ 444.70 | | 444.70 | | | | | | 444.70 | | \$ 444.70 |
| | Demand Charge | \$ 9.43 | | 9.43 | | | | | | 9.43 | | \$ 9.43 |
| | On Peak kWh | \$ 0.00603 | -0.00064 | 0.00667 | 0.02957 | (0.00080) | - | 0.06780 | - | -0.10324 | | |
| | | | | | | | | | | Effective 2/1/22, usage on or after | 0.20258 | \$ -0.30582 |
| | | | | | | | | | | Effective 3/1/22, usage on or after | 0.13422 | \$ -0.23746 |
| | | | | | | | | | | Effective 4/1/22, usage on or after | 0.08985 | \$ -0.19309 |
| | | | | | | | | | | Effective 5/1/22, usage on or after | 0.07084 | \$ -0.17408 |
| | | | | | | | | | | Effective 6/1/22, usage on or after | 0.07443 | \$ -0.17767 |
| | | | | | | | | | | Effective 7/1/22, usage on or after | 0.08324 | \$ -0.18648 |
| G-1 | Off Peak kWh | \$ 0.00178 | -0.00064 | 0.00242 | 0.02957 | (0.00080) | - | 0.06780 | - | -0.09899 | | |
| | | | | | | | | | | Effective 2/1/22, usage on or after | 0.20258 | \$ -0.30157 |
| | | | | | | | | | | Effective 3/1/22, usage on or after | 0.13422 | \$ -0.23321 |
| | | | | | | | | | | Effective 4/1/22, usage on or after | 0.08985 | \$ -0.18884 |
| | | | | | | | | | | Effective 5/1/22, usage on or after | 0.07084 | \$ -0.16983 |
| | | | | | | | | | | Effective 6/1/22, usage on or after | 0.07443 | \$ -0.17342 |
| | | | | | | | | | | Effective 7/1/22, usage on or after | 0.08324 | \$ -0.18223 |
| | Customer Charge | \$ 74.11 | | 74.11 | | | | | | 74.11 | | \$ 74.11 |
| | Demand Charge | \$ 9.48 | | 9.48 | | | | | | 9.48 | | \$ 9.48 |
| | All kWh | \$ 0.00239 | -0.00064 | 0.00303 | 0.03418 | (0.00080) | - | 0.06780 | - | -0.10421 | | |
| | | | | | | | | | | Effective 2/1/22, usage on or after | 0.20258 | \$ -0.30679 |
| | | | | | | | | | | Effective 3/1/22, usage on or after | 0.13422 | \$ -0.23843 |
| | | | | | | | | | | Effective 4/1/22, usage on or after | 0.08985 | \$ -0.19406 |
| | | | | | | | | | | Effective 5/1/22, usage on or after | 0.07084 | \$ -0.17505 |
| | | | | | | | | | | Effective 6/1/22, usage on or after | 0.07443 | \$ -0.17864 |
| | | | | | | | | | | Effective 7/1/22, usage on or after | 0.08324 | \$ -0.18745 |
| G-3 | Customer Charge | \$ 17.03 | | 17.03 | | | | | | 17.03 | | \$ 17.03 |
| | All kWh | \$ 0.05398 | -0.00064 | 0.05462 | 0.03104 | (0.00080) | - | 0.06780 | - | -0.15266 | 0.11119 | \$ -0.26385 |
| T | Customer Charge | \$ 14.74 | | 14.74 | | | | | | 14.74 | | \$ 14.74 |
| | All kWh | \$ 0.04871 | -0.00064 | 0.04935 | 0.02795 | (0.00080) | - | 0.06780 | - | -0.14430 | 0.11119 | \$ -0.25549 |
| V | Minimum Charge | \$ 17.03 | | 17.03 | | | | | | 17.03 | | \$ 17.03 |
| | All kWh | \$ 0.05552 | -0.00064 | 0.05616 | 0.02456 | (0.00080) | - | 0.06780 | - | -0.14772 | 0.11119 | \$ -0.25891 |

¹ Rate is a subset of Domestic Rate D

Dated: February 25, 2022
Effective: March 1, 2022

Issued by: /s/Neil Proudman
Neil Proudman
Title: President

Authorized by NHPUC Order No. 26,579 in Docket No. DE 20-092, dated February 10, 2022

**RATES EFFECTIVE MARCH 1, 2022
FOR USAGE ON AND AFTER MARCH 1, 2022**

| Rate | Blocks | Distribution Charge | REP/ VMP | Net Distribution Charge | Transmission Charge | Stranded Cost Charge | Storm Recovery Adjustment Factor | System Benefits Charge | Electricity Consumption Tax | Total Delivery Service | Energy Service | Total Rate |
|-----------|---|---------------------|-------------|-------------------------------|------------------------|----------------------------|---|------------------------------|-----------------------------------|------------------------------|-------------------|---------------|
| | Customer Charge | \$14.74 | | \$14.74 | | | | | | | | \$14.74 |
| | <u>Monday through Friday</u> | | | | | | | | | | | |
| D-11 | Off Peak | \$0.04441 | \$0.00064 | \$0.04505 | \$0.00213 | (\$0.00080) | - | \$0.06780 | - | \$0.14418 | \$0.10659 | \$0.22077 |
| | Mid Peak | \$0.06657 | \$0.00064 | \$0.06721 | \$0.00590 | (\$0.00080) | - | \$0.06780 | - | \$0.14011 | \$0.12161 | \$0.26172 |
| | Critical Peak | \$0.09478 | \$0.00064 | \$0.09542 | \$0.23553 | (\$0.00080) | - | \$0.06780 | - | \$0.39795 | \$0.12636 | \$0.52431 |
| | <u>Saturday through Sunday and Holidays</u> | | | | | | | | | | | |
| | Off Peak | \$0.04441 | \$0.00064 | \$0.04505 | \$0.00213 | (\$0.00080) | - | \$0.06780 | - | \$0.14418 | \$0.10659 | \$0.22077 |
| | Mid Peak | \$0.06657 | \$0.00064 | \$0.06721 | \$0.00590 | (\$0.00080) | - | \$0.06780 | - | \$0.14011 | \$0.12161 | \$0.26172 |
| | Customer Charge | \$11.35 | | \$11.35 | | | | | | | | \$11.35 |
| | <u>Monday through Friday</u> | | | | | | | | | | | |
| Rate EV | Off Peak | \$0.04441 | \$0.00064 | \$0.04505 | \$0.00213 | (\$0.00080) | - | \$0.06780 | - | \$0.14418 | \$0.10659 | \$0.22077 |
| | Mid Peak | \$0.06657 | \$0.00064 | \$0.06721 | \$0.00590 | (\$0.00080) | - | \$0.06780 | - | \$0.14011 | \$0.12161 | \$0.26172 |
| | Critical Peak | \$0.09478 | \$0.00064 | \$0.09542 | \$0.23553 | (\$0.00080) | - | \$0.06780 | - | \$0.39795 | \$0.12636 | \$0.52431 |
| | <u>Saturday through Sunday and Holidays</u> | | | | | | | | | | | |
| | Off Peak | \$0.04441 | \$0.00064 | \$0.04505 | \$0.00213 | (\$0.00080) | - | \$0.06780 | - | \$0.14418 | \$0.10659 | \$0.22077 |
| | Mid Peak | \$0.06657 | \$0.00064 | \$0.06721 | \$0.00590 | (\$0.00080) | - | \$0.06780 | - | \$0.14011 | \$0.12161 | \$0.26172 |
| | <u>Luminaire Charge</u> | | | | | | | | | | | |
| | HPS 4,000 | \$8.72 | | \$8.72 | | | | | | | | \$8.72 |
| | HPS 9,600 | \$10.08 | | \$10.08 | | | | | | | | \$10.08 |
| | HPS 27,500 | \$16.73 | | \$16.73 | | | | | | | | \$16.73 |
| | HPS 50,000 | \$20.81 | | \$20.81 | | | | | | | | \$20.81 |
| | HPS 9,600 (Post Top) | \$11.83 | | \$11.83 | | | | | | | | \$11.83 |
| | HPS 27,500 Flood | \$16.91 | | \$16.91 | | | | | | | | \$16.91 |
| M | HPS 50,000 Flood | \$22.58 | | \$22.58 | | | | | | | | \$22.58 |
| | Incandescent 1,000 | \$11.19 | | \$11.19 | | | | | | | | \$11.19 |
| | Mercury Vapor 4,000 | \$7.74 | | \$7.74 | | | | | | | | \$7.74 |
| | Mercury Vapor 8,000 | \$8.69 | | \$8.69 | | | | | | | | \$8.69 |
| | Mercury Vapor 22,000 | \$15.54 | | \$15.54 | | | | | | | | \$15.54 |
| | Mercury Vapor 63,000 | \$26.26 | | \$26.26 | | | | | | | | \$26.26 |
| | Mercury Vapor 22,000 Flood | \$17.78 | | \$17.78 | | | | | | | | \$17.78 |
| | Mercury Vapor 63,000 Flood | \$34.44 | | \$34.44 | | | | | | | | \$34.44 |
| | <u>Luminaire Charge</u> | | | | | | | | | | | |
| | 30 Watt Pole Top | \$5.66 | | \$5.66 | | | | | | | | \$5.66 |
| | 50 Watt Pole Top | \$5.90 | | \$5.90 | | | | | | | | \$5.90 |
| | 130 Watt Pole Top | \$9.10 | | \$9.10 | | | | | | | | \$9.10 |
| LED-1 | 190 Watt Pole Top | \$17.44 | | \$17.44 | | | | | | | | \$17.44 |
| | 30 Watt URD | \$13.18 | | \$13.18 | | | | | | | | \$13.18 |
| | 90 Watt Flood | \$8.96 | | \$8.96 | | | | | | | | \$8.96 |
| | 130 Watt Flood | \$10.31 | | \$10.31 | | | | | | | | \$10.31 |
| | 30 Watt Caretaker | \$5.07 | | \$5.07 | | | | | | | | \$5.07 |
| | <u>Pole - Wood</u> | \$9.87 | | \$9.87 | | | | | | | | \$9.87 |
| | Fiberglass - Direct Embedded | \$10.28 | | \$10.28 | | | | | | | | \$10.28 |
| Poles | Fiberglass w/Foundation <25 ft | \$17.35 | | \$17.35 | | | | | | | | \$17.35 |
| | Fiberglass w/Foundation >=25 ft | \$29.01 | | \$29.01 | | | | | | | | \$29.01 |
| | Metal Poles - Direct Embedded | \$20.68 | | \$20.68 | | | | | | | | \$20.68 |
| | Metal Poles with Foundation | \$24.95 | | \$24.95 | | | | | | | | \$24.95 |
| M & LED-1 | All kWh | \$0.04152 | \$0.00064 | \$0.04216 | \$0.02179 | (\$0.00080) | \$0.00000 | \$0.06780 | \$0.00000 | \$0.13095 | \$0.11119 | \$0.24214 |
| LED-2 | All kWh | \$0.04152 | \$0.00064 | \$0.04216 | \$0.02179 | (\$0.00080) | \$0.00000 | \$0.06780 | \$0.00000 | \$0.13095 | \$0.11119 | \$0.24214 |

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