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April 29, 2022

Daniel C. Goldner, Chairman  
New Hampshire Public Utilities Commission  
21 S. Fruit Street, Suite 10  
Concord, New Hampshire 03301

**Re: Docket No. DE 19-057  
Public Service Company of New Hampshire d/b/a Eversource Energy  
Notice of Intent to File Rate Schedules  
Third Step Adjustment**

Dear Chairman Goldner:

Pursuant to the terms of the Settlement Agreement approved by the New Hampshire Public Utilities Commission (the "Commission") in Order No. 26,433 (December 5, 2020) in the above-referenced docket, Public Service Company of New Hampshire d/b/a Eversource Energy (the "Company") submits the enclosed Petition for Approval of the Third Step Adjustment together with supporting testimony and attachments.

As set forth in the enclosed Petition, the Company respectfully requests that the Commission schedule a hearing during June 2022 to allow for rates effective August 1, 2022.

Please contact me if you have any questions. Thank you for your attention to this filing.

Sincerely,



Jessica Buno Ralston

cc: Service List, Docket DE 19-057

**STATE OF NEW HAMPSHIRE**  
**before the**  
**PUBLIC UTILITIES COMMISSION**

Public Service Company of New Hampshire d/b/a Eversource Energy

**DOCKET NO. DE 19-057**

NOTICE OF INTENT TO FILE RATE SCHEDULES

**Petition for Third Step Adjustment**

Pursuant to the terms of the Settlement Agreement on Permanent Distribution Rates dated October 9, 2020 (the “Settlement Agreement”) approved by the New Hampshire Public Utilities Commission (“Commission”) in Order No. 26,433 (December 15, 2020) in the instant docket, Public Service Company of New Hampshire d/b/a Eversource Energy (“Eversource” or the “Company”) hereby petitions the Commission for approval of its third step adjustment, as allowed in the Settlement Agreement, effective for service rendered on and after August 1, 2022.<sup>1</sup> In support of this Petition, Eversource states the following:

1. Pursuant to Section 10 of the Settlement Agreement, the Company was allowed three step adjustments to account for plant placed in service in calendar years 2019, 2020, and 2021. This filing represents the third of those step adjustments and, if approved, will take effect with other rate adjustments on August 1, 2022.
2. Under the terms of the Settlement Agreement, the Company is required to include the following information in support of its step adjustment: (a) the amount of the investments to be included in the step adjustment (by project) and detailed project

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<sup>1</sup> Order No. 26,433 also directed the Company to work with Commission Staff (now Department of Energy Staff) to propose a date for annual regulatory template filings beginning in 2023. Order No. 26,433, at 22. The Company and Department of Energy Staff are conferring on a date; the Company will file a letter in this docket with this proposed date as soon as practicable.

descriptions including the initial budget, the final cost, and the date on which each project was booked to plant in service; and (b) project documentation including Project Authorization Forms, Supplemental Request Forms, and work order cost details. Settlement Agreement, §10.3. The Company is also required to provide its documentation in accordance with the template for documentation agreed to with Department of Energy Staff (previously Commission Staff) for the initial step adjustment. Id. Under the terms of the Settlement Agreement, this third step adjustment is capped at \$9.3 million. Id.

3. The Company has complied with the requirements identified in paragraph 2, above, through submission of the following evidence in support of this Petition:
  - Testimony and supporting attachments sponsored by Russel Johnson, David Plate, and James Devereaux describing the capital projects that are the subject of this filing and the processes in place at the Company pertaining to project management and budgeting; and
  - Testimony and supporting attachments sponsored by Marisa B. Paruta and Edward A. Davis describing the revenue requirement calculations, rate design, and rate impacts from this step increase related to the relevant plant additions.
4. As described in the above-referenced testimony and supporting attachments, this filing demonstrates relevant support for the additions to the Company's plant-in-service in calendar year 2021 consistent with the terms of the Settlement Agreement.
5. As described in the testimony and supporting attachments, the requested revenue requirement increase in this step adjustment is \$9.3 million and would be collected through rates effective August 1, 2022.

6. The rate adjustment requested by the Company in this filing will result in rates that are just and reasonable and in the public interest and therefore should be approved.

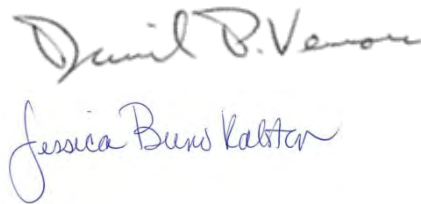
**WHEREFORE**, Eversource respectfully requests that the Commission:

- A. Grant the Company's request for a permanent rate increase of \$9.3 as described in the supporting testimony and attachments;
- B. Schedule a hearing expeditiously during June 2022 to allow for rates effective August 1, 2022; and
- C. Order such further relief as may be just and equitable.

Respectfully submitted,

**Public Service Company of New Hampshire d/b/a Eversource  
Energy**

By Its Attorneys



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Dated: April 29, 2022



**CERTIFICATE OF SERVICE**

I hereby certify that on April 29, 2022, I caused the attached to be served pursuant to N.H. Code Admin. Rule Puc 203.11.

*Jessica Bens Kalster*

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d/b/a Eversource Energy  
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**STATE OF NEW HAMPSHIRE**  
**BEFORE THE**  
**NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION**

**DOCKET NO. DE 19-057**  
**REQUEST FOR PERMANENT RATES**

**DIRECT TESTIMONY OF**  
**RUSSEL D. JOHNSON, DAVID L. PLANTE and JAMES J. DEVEREAUX**

*Step 3 Adjustment*

**On behalf of Public Service Company of New Hampshire**  
**d/b/a Eversource Energy**

**April 29, 2022**

Public Service Company of New Hampshire

d/b/a Eversource Energy

Docket No. DE 19-057

Testimony of Russel D. Johnson, David L. Plante and James J. Devereaux

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**STATE OF NEW HAMPSHIRE**

**BEFORE THE NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION**

**DIRECT TESTIMONY OF  
RUSSEL D. JOHNSON, DAVID L. PLANTE and JAMES J. DEVEREAUX**

**PETITION OF PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
d/b/a EVERSOURCE ENERGY  
REQUEST FOR PERMANENT RATES**

**Docket No. DE 19-057**

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1 **I. INTRODUCTION**

2 **Q. Mr. Johnson, please state your full name, position and business address.**

3 A. My name is Russel D. Johnson. I am employed by Eversource Energy Service Company  
4 as Director of Distribution Engineering. My business address is 780 North Commercial  
5 Street, Manchester, New Hampshire.

6 **Q. What are your principal responsibilities in this position?**

7 A. As the Director of Distribution Engineering, I am responsible for optimizing the  
8 performance of the distribution system assets of Public Service Company of New  
9 Hampshire d/b/a Eversource Energy (“Eversource” or the “Company”) and ensuring  
10 customer needs for service and reliability are satisfied in this regard. The Distribution  
11 Engineering and Design Group reports to me. I am also primarily responsible for the  
12 Company’s capital budgeting and project approval process associated with distribution line  
13 projects and programs. I have also had responsibility for the Reliability Enhancement  
14 Program (“REP”) Plan, which supported up to \$40 million of capital investment annually  
15 targeted at reliability projects.

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1 **Q. Please summarize your professional experience and educational background.**

2 A. I graduated from Clarkson University in Potsdam, New York in 1985 with a Bachelor of  
3 Science in Electrical and Computer Engineering. I also received a Master of Science in  
4 Electric Engineering with a concentration in Power Engineering from Clarkson University  
5 in 1987. Upon graduation from Clarkson University, I was hired by the Company and have  
6 held various positions in Distribution Engineering, Large Commercial and Industrial Sales,  
7 System Projects, and System Planning with increasing responsibility leading to my current  
8 position as Director of Distribution Engineering. I have also been a licensed Professional  
9 Engineer in the State of New Hampshire since 1990.

10 **Q. Have you previously testified before the New Hampshire Public Utilities**  
11 **Commission?**

12 A. Yes, I have testified before the New Hampshire Public Utilities Commission (the  
13 “Commission”) in past proceedings, including Docket No. DE 09-035 (Reliability  
14 Enhancement Program), Docket No. DE 13-177 (Least Cost Integrated Resource Plan),  
15 and Docket No. DE 16-576 (Development of New Alternative Net Metering Tariffs and/or  
16 Other Regulatory Mechanisms and Tariffs for Customer-Generators). I have also co-  
17 sponsored pre-filed testimony in Docket No. DE 22-010 (the Company’s pending 2022  
18 Regulatory Reconciliation Adjustment).

19 **Q. Mr. Plante, please state your full name, position and business address.**

20 A. My name is David L. Plante. I am employed by Eversource Energy Service Company as  
21 Manager of New Hampshire Project Management and Construction. My business address  
22 is 13 Legends Drive, Hooksett, New Hampshire.

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1 **Q. What are your principal responsibilities in this position?**

2 A. In this role, I am responsible for managing the Project Management and Construction  
3 Group as well as providing oversight of the capital program for the transmission business  
4 in New Hampshire. I have oversight on most of the large transmission and distribution  
5 projects in the Eversource New Hampshire service territory.

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

7 A. My name is James J. Devereaux. I am employed by Eversource Energy Service Company  
8 as Manager of Budgets and Investment Planning. My business address is 780 North  
9 Commercial Street, Manchester, New Hampshire.

10 **Q. What are your principal responsibilities in this position?**

11 A. As the Manager of Budgets and Investment Planning, I am primarily responsible for the  
12 financial reporting, analysis and oversight of the Company's capital and O&M programs.  
13 I also monitor capital projects throughout their life cycle and provide reporting on a  
14 monthly basis to review costs and identify projects that need supplemental funding  
15 authorization approvals.

16 **Q. Mr. Plante and Mr. Devereaux, did you previously sponsor testimony in this docket  
17 that contains additional information on your professional experience and educational  
18 backgrounds?**

19 A. Yes. We submitted joint testimony with Company witness Lee G. Lajoie on May 3, 2021  
20 in this docket that provides further information on our professional experience and  
21 educational backgrounds.

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

2 A. The purpose of our testimony is to support the Company's petition for an increase in  
3 distribution rates for the third step adjustment, to be effective August 1, 2022, as provided  
4 in Section 10 of the Settlement Agreement on Permanent Distribution Rates dated October  
5 9, 2020 (the "Settlement Agreement") and approved by the Commission in Order No.  
6 26,433 on December 15, 2020. This is the third step adjustment under the Settlement  
7 Agreement and pertains to certain projects placed in service during calendar year 2021.  
8 Our testimony will describe the capital projects and the processes in place at the Company  
9 pertaining to project management and budgeting. In support of the step adjustment, the  
10 Company is also filing joint testimony from Company witnesses Marisa B. Paruta and  
11 Edward A. Davis on the step adjustment revenue requirement and rate impacts,  
12 respectively.

13 **Q. Are you presenting any attachments in support of your testimony?**

14 A. Yes, we are presenting Attachment RDJ/DLP/JJD-1 containing the capital additions for  
15 calendar year 2021 by project.

16 **Q. How is your testimony organized?**

17 A. Following this introduction, Section II discusses the Company's capital planning and  
18 approval process and describes how the construction budget is developed and managed.  
19 Section III describes the capital projects and costs included in the step adjustment and the  
20 documentation being provided in support of those projects.

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1 **II. CAPITAL PROJECT PLANNING AND APPROVAL PROCESS**

2 **A. Capital Project Planning**

3 **Q. What is the Company's capital project planning process?**

4 A. The Company's capital project planning process primarily consists of two phases: the Five-  
5 Year Long-Range Plan and the Annual Plan.

6 Five-Year Long-Range Plan: The first phase of the capital project planning process begins  
7 with a mid-year Long-Range Planning meeting of the business planning group (the  
8 "Planning Group"). The Planning Group meets with New Hampshire senior management  
9 to review potential capital investments over the upcoming five-year period and develop a  
10 long-range plan (the "Long-Range Plan") for presentation to the Eversource executive  
11 leadership team for approval. During this time there are several meetings, discussions and  
12 reviews led by Engineering to review system needs, age of infrastructure and proposed  
13 investments to address these needs. These meetings are typically held in the first and  
14 second quarters of the year with Engineering, Operations and Investment Planning. The  
15 output of these reviews is the proposed Long-Range Plan, which is presented for review at  
16 the Long-Range Planning meeting, where each operating area presents its capital  
17 investment needs and resource requirements for consideration to the executive leadership  
18 team, and ultimately presented to the Eversource Board of Trustees in late-second quarter  
19 annually. Once approved by the Eversource Board of Trustees, the capital investments  
20 included in year one of the Long-Range Plan are used as the foundation for the annual  
21 planning process for the upcoming year.



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1        Annual Plan: The second phase of the capital project planning process begins with the  
2        annual planning process, which initiates over the summer and continues through the end of  
3        the year with a series of meetings (“Business Plan Meetings”). The Business Plan Meetings  
4        are held in each operating area and include New Hampshire senior management. Each area  
5        presents specific capital projects and the annual blanket projects and programs (“Annuals”)  
6        for the upcoming year identified for inclusion in the Annual Plan. During the Business  
7        Plan Meetings, the specific capital projects and Annuals are reviewed by the Operations  
8        leadership team and modified as needed to address any emergent system concerns. Once  
9        completed, the Annual Plan is then presented to the Eversource executive leadership team  
10       in October-November for approval. Once approved, the Annual Plan becomes the basis  
11       for the subsequent year’s annual budget.

12    **Q.    How are budgeted costs developed for specific capital projects and annuals?**

13    A.    Specific capital project budgeted costs are compiled using cost estimates developed  
14       through various resources, including recently completed projects of a similar nature,  
15       software models, adjusted for escalation factors, and established procurement contracts for  
16       external contractors, supply chain, and materials management. Specific capital projects  
17       are identified by New Hampshire engineering and operations groups and are individually  
18       reviewed by a group of New Hampshire Managers and Directors. The specific capital  
19       projects are evaluated based on the merits and needs for each proposed capital project.  
20       Capital projects with the most significant benefits or that address the most significant needs  
21       are selected for inclusion in the Annual Plan. Because the Annuals are recurring projects  
22       and programs, the Annuals’ budgeted costs are typically developed based on historical

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1 spending levels, adjusted for known and measurable changes that are expected in the  
2 subsequent year.

3 **Q. What factors does the Company consider when evaluating the merits and needs of**  
4 **capital projects?**

5 A. From an overall perspective, the Company's objective is to arrive at a capital budget that  
6 represents the optimal balance of executing capital investments necessary to maintain and  
7 improve the performance of the system, while assuring a cost-efficient use of the  
8 Company's limited resources. At the same time, Eversource must maintain a level of  
9 flexibility in the capital budget process to deal with contingencies that inevitably occur  
10 during the year. A variety of factors are considered during the evaluation process,  
11 including but not limited to, system conditions including resolving overloads, new  
12 customer additions, reliability improvements and initiatives, resource availability, and  
13 aging infrastructure needs. Together, specific capital projects and annuals make up the  
14 body of work that the Company expects to execute over the five-year period. Annuals,  
15 service to new customers, and load driven projects are considered necessary and included  
16 in the budget. Specific capital projects to improve reliability are evaluated based on  
17 anticipated impact on performance. Specific capital projects that address aging assets are  
18 prioritized based on a number of factors, including safety concerns, age of the asset,  
19 difficulty in maintaining the asset or in obtaining spare parts, and other similar  
20 considerations.

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1        **B. Capital Project Authorization Policy**

2        **Q.    What is the Company’s capital project authorization policy?**

3        A.    The Company evaluates each individual capital project in accordance with the Accounting  
4        Policy Standard 1, *Project Authorization Policy* (“APS 1”). In its initial request for  
5        permanent rates filed in this docket on May 28, 2019 (the “Initial Filing”), Attachment  
6        ELM-5 provided the version of APS 1 that was in effect for the capital projects placed in  
7        service in this third step adjustment. The purpose of APS 1 is to provide a framework to  
8        guide decision-making, evaluation and approval of all capital and reimbursable project  
9        spending. Within this framework, the Company is able to identify and plan key corporate  
10       spending initiatives; enable the evaluation of all major projects; and determine the  
11       allocation of corporate financial resources.

12       Capital projects subject to APS 1 include, but are not limited to, electric operations, real  
13       estate/facilities, customer care and information technology. The Company modified APS  
14       1 in 2015 to adopt a common process for project authorization and funding across the  
15       Eversource Energy organization. The Company follows APS-1, as provided in Attachment  
16       ELM-5 to the Initial Filing and utilizes the PowerPlan® system as the repository for capital  
17       project authorization forms (“PAF”). A PAF is required where a specific capital project  
18       cost estimate is expected to exceed the threshold outlined in APS 1. PAFs are approved  
19       by the Company’s management in accordance with the Delegation of Authority (“DOA”),  
20       a copy of which was provided in Attachment ELM-6 to the Initial Filing. This process is  
21       based on Eversource Energy’s enterprise-wide project authorization process, which is  
22       centralized and standardized across the organization. As an additional measure, the

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1 Company still conducts capital project reviews through a Capital Budget Review  
2 Committee (“CBRC”) to monitor spending against the overall capital budget, which is  
3 further described below.

4 **C. Capital Project Authorization Process**

5 **Q. Please describe the approval process for the Company’s PAFs applicable to the**  
6 **proposed step adjustment.**

7 A. Capital projects require a PAF to be submitted for approval to the senior manager of the  
8 relevant operating area in accordance with APS 1. The project sponsor, typically a project  
9 originator or a project manager, is responsible for preparing the necessary PAF  
10 documentation for approval. In addition, all PAFs are reviewed and approved by the Plant  
11 Accounting department to ensure proper capital and expense classification, in accordance  
12 with generally accepted accounting principles, and unit of property accounting. A PAF  
13 includes the following sections:

- 14 • Executive Summary: This section provides a high-level overview or scope of the  
15 project, why it should be undertaken and what, specifically, the requested funding  
16 will be used for. If the project received prior funding, the amount(s) and approval  
17 date(s) are to be noted along with a summary of current status.
- 18 • Project Costs Summary: This section provides a breakdown of the project costs by  
19 category such as labor, materials, outside services, indirect costs, etc. and  
20 depending upon the type of funding request (Initial/Partial/Full) may or may not  
21 include a detailed project estimate.

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- 1           • Technical Justification: This section provides a detailed narrative about the project  
2           including a project need statement, objectives, scope, background/justification,  
3           business process/technical improvements, alternatives considered, project schedule  
4           summary, a list of anticipated risks, and any diagrams or images related to the project.

5           As discussed in previous testimony and responses to data requests, as part of a corporate-  
6           wide initiative to review and enhance the project lifecycle process, Eversource has adopted  
7           an incremental (or “staged”) funding authorization process that ensures that each funding  
8           request has incorporated sufficient knowledge and detail as required to develop an estimate  
9           of appropriate precision. This process has been refined over time to include significant  
10          improvements in the estimating process, construction review, and design deliverables. The  
11          process has also been refined to require specific pieces of information at each funding stage  
12          to ensure a minimum standard of accuracy. Some examples of this information include  
13          specific progress deliverables for engineering, engineering checklists acknowledging  
14          deliverable completeness, documented site constructability reviews, environmental  
15          assessments, outage plans, and major equipment quotes. When available, construction and  
16          testing bids are desirable for development of a quality estimate with lower upside (or  
17          downside) risk.

18   **Q.    At what point in the project lifecycle do projects receive formal approval?**

19    A.    Projects may receive formal approval at several stages of the project lifecycle. There are  
20          three typical pre-construction project funding stages: initial, partial and full funding. It is  
21          not a requirement that every project receive each of these approval levels. Individual

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1 funding strategy is determined on a case-by-case basis depending on project size or  
2 complexity. Upon receipt of any of these authorizations, the actual “Project” is funded,  
3 can open a work order and begin charging efforts to the project. Initial funding  
4 authorizations are typically employed when a system need is discovered but the scope of  
5 the solution is yet to be determined. The initial funding amount is generally used to develop  
6 scope, perform field surveys, conduct site visits and environmental assessments as required  
7 to prepare either a partial funding or full funding request. Partial funding authorizations  
8 are generally used to complete detailed engineering, permitting, construction feasibility  
9 review by construction experts, allow for the ordering of major equipment with long lead  
10 times, and lastly to secure the necessary information to prepare a full funding estimate and  
11 PAF. Prior to project construction commencement, with refined project cost estimates,  
12 projects are presented to the applicable Project Authorization Committee (“PAC”) (either  
13 NH PAC for distribution line projects or EPAC for distribution substation projects) for full  
14 funding authorization. The PAC’s meet at least monthly, normally bi-weekly, to review  
15 projects from an engineering, schedule, and cost perspective as well as reviewing any  
16 projects that may require supplemental funding. The PAC consists of a chairperson plus  
17 representatives from various disciplines including Engineering, Operations, Major  
18 Projects, Investment Planning, and Integrated Planning and Scheduling. Once the PAC  
19 has approved a project for funding, the PAF is then approved within the PowerPlan®  
20 system based on DOA approval limits, as shown in Attachment ELM-6 to the Initial Filing.

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1        **D.     Capital Project Cost Control Procedures**

2        **Q.     Once the PAF is approved, does the Company have measures in place to control costs**  
3        **as the projects are designed and completed?**

4        A.     Yes. The Company's APS 1 was established to allow for incremental project funding  
5        authorizations based upon the developmental stage of the project, which controls the  
6        amount of capital that can be expended on a project until the project is fully defined and  
7        most cost components have sufficient detail to secure quality estimates and a Full Funding  
8        pre-construction authorization.

9        From a project execution perspective, Eversource has solicited competitive pricing from a  
10       variety of qualified engineering, materials, construction and testing vendors forming the  
11       basis for Master Services Agreements, which ensure uniform and favorable terms and  
12       conditions. Additionally, for medium to large materials or project services contracts,  
13       Eversource solicits competitive bids whenever possible to ensure that the most cost-  
14       effective contracts are awarded, to the benefit of our projects. A rigorous contract change  
15       control process is in place to ensure that prior to approval, proposed contract changes  
16       requested by our vendors are in fact necessary for the proper development and execution  
17       of the project, clearly outside of the existing contract scope and have a fair and reasonable  
18       cost. Detailed project schedules and outage plans are developed and utilized to ensure  
19       timely, predictable execution with minimal delays.

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1 **Q. Does the Company have measures in place to monitor project costs and revise project**  
2 **funding authorizations in the event that costs increase as the projects are designed**  
3 **and completed?**

4 A. Yes. Monthly capital project budget review meetings are held with the Capital Budget  
5 Review Committee (“CBRC”), which is led by the President of Eversource New  
6 Hampshire and includes all stakeholders of the annual plan, to discuss the status and cost  
7 of individual projects within the capital budget. Once the monthly accounting close has  
8 completed, a report with all active capital projects is sent to all project managers and  
9 stakeholders for their updates. Updates are provided by project managers and stakeholders  
10 regarding monthly and annual spending projections and any changes to authorization or  
11 project completion status. After all updates have been incorporated, an updated CBRC  
12 report is prepared for review at the monthly CBRC meeting. Each project is discussed with  
13 emphasis on project cash flows, authorization status, completion status, and any issues or  
14 challenges. After all projects are discussed and projections have been updated, a new  
15 annual capital spending projection is calculated and plans can be made to address any  
16 necessary changes. This meeting also provides New Hampshire leadership with the  
17 information necessary to make decisions on accelerating or decelerating certain projects as  
18 necessary to stay within the overall authorized capital budget, as developed and approved  
19 in the Annual Plan, while best supporting the needs of our customers. APS 1 requires the  
20 submission of a Supplement Request Form with revised cost and justification when it  
21 becomes likely that the project direct costs are expected to increase from the original  
22 authorized dollar amount in accordance with certain threshold criteria. For Distribution  
23 Operation projects up to \$250,000, this threshold is an increase in direct costs of \$25,000



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1 or more. For Distribution Operation projects over \$250,000, the threshold is 10 percent of  
2 direct costs. For Corporate Shared Services Projects from \$500,000 to \$10,000,000, the  
3 threshold is an increase of total authorized costs greater than 15 percent. In the same  
4 manner in which the original PAFs are approved through the PAC, the Supplement Request  
5 Forms are also reviewed by the appropriate PAC and, if approved, routed for approval in  
6 PowerPlan® in the same manner as the original PAF.

7 **III. STEP ADJUSTMENT CAPITAL PROJECTS**

8 **Q. What is the scope of projects for which the Company is seeking to commence cost**  
9 **recovery in this third step increase, as provided in the Settlement Agreement?**

10 A. The Company is seeking approval to commence cost recovery for the revenue requirement  
11 associated with \$122.5 million of plant additions placed in service in calendar year 2021,  
12 as described below.

13 **Q. What is your understanding of the Commission's standard for inclusion of plant**  
14 **investment in rate base?**

15 A. It is our understanding that the Commission's long-standing standard for the inclusion of  
16 capital additions in rate base is that the capital expenditures must be prudently incurred,  
17 and the resulting plant must be "used and useful" in providing service to customers. A  
18 prudence review involves a determination of whether the utility's actions, based on all that  
19 the utility knew or should have known at the time, were reasonable and prudent in light of  
20 the circumstances. The Commission considers plant to be "used and useful" if the plant is  
21 in service and provides benefits to customers. As demonstrated below and in Attachment  
22 RDJ/DLP/JJD-1, the Company's capital additions placed in service in calendar year 2021  
23 are consistent with the Commission's standard.

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1 **Q. Please explain how the Company has categorized its plant additions for purposes of**  
2 **the step adjustment.**

3 A. As an initial matter, the Company has segregated all capital additions into three distinct  
4 categories for review purposes: (1) specific capital projects; (2) specific carryover capital  
5 projects; and (3) annual blanket projects and programs (Annuals). Each category of capital  
6 additions has distinct capital addition documentation requirements.

7 **Q. Please explain how the Company defines specific capital projects.**

8 A. Specific capital projects are projects where a stand-alone project is being constructed.  
9 Examples of these projects include new substations, new lines, and circuit conversions.  
10 Specific capital projects have defined start and end dates for construction with a defined  
11 project cost and may be managed by a project manager and have unique project names for  
12 the specific body of work to be executed. For purposes of project review as part of the step  
13 increase, the Company has segmented the specific capital projects into current and  
14 carryover categories. Current specific capital projects are projects that were not reviewed  
15 as part of the rate case and had a substantial portion of plant placed in service in 2021.

16 **Q. Please explain how the Company defines carryover projects.**

17 A. Carryover projects are projects that had a majority of the work orders placed in service  
18 prior to 2021. Therefore, the carryover 2021 plant additions are related to work that  
19 continued into 2021 or where there are adjustments made during the plant accounting  
20 closeout. In other words, carryover project costs are for projects that were in service and  
21 included as part of the prior rate case review in this docket and/or the first or second step  
22 adjustments but that have charges that have “carried over” into 2021. These projects are

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1 now in service and being included in the calculation of the step adjustment in this filing.  
2 Carryover charges may also be credits (or reductions) to a capital project for adjustments  
3 that have been made in 2021.

4 **Q. Please explain how the Company defines annual blanket projects.**

5 A. Annual blanket projects are defined as projects that are high-volume and low dollar in  
6 nature. An annual blanket project funds a variety of activities intended to address a  
7 particular issue. For example, an annual blanket project addressing the issue of voltage  
8 outside regulatory limits may involve activities such as the placement of regulators or  
9 capacitors, the replacement of conductors, or other activities. Work orders for annual  
10 blanket projects are typically under \$100,000 in direct costs. Examples of annual blanket  
11 projects are new services, capital tools, obsolescence and asset renewal, line relocations,  
12 and transformer purchases. These projects are funded at a consistent level from year to  
13 year and utilize the same project names each year.

14 Annual programs support a particular body of work and are typically lower in volume but  
15 higher in cost. An annual program funds the same type of work in many different locations,  
16 such as reject pole replacements (the work associated with this program is always pole  
17 replacements due to an inspection that finds the pole has decayed). Other examples of  
18 annual programs include oil-circuit breaker replacements, direct-buried cable  
19 replacements, vehicle purchases, and substation animal protection projects. These projects  
20 are typically funded at a consistent level from year to year but can vary depending on the  
21 nature of the work to be completed in the year. These projects also utilize the same project  
22 names each year.

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1 **Q. Please describe the documentation you are providing in support of the Company's**  
2 **step adjustment.**

3 A. Attachment RDJ/DLP/JJD-1 identifies the capital projects placed in service in calendar  
4 year 2021 that are not currently in rate base. The attachment contains the following  
5 information:<sup>1</sup>

- 6 • Page 1 contains a summary of the 2021 plant additions by category.
- 7 • Pages 2-3 contain the list of projects identified as current specific capital projects.  
8 For each project, the associated plant account(s), 2021 plant in service amount, pre-  
9 construction authorization amount, any supplemental authorizations, and actual  
10 project life-to-date capital project costs through December 31, 2021 are provided.  
11 Dollar and percentage variances are calculated between: (1) the actual project life-  
12 to-date capital costs and the pre-construction authorized amount; (2) the last  
13 supplemental authorized amount and the pre-construction authorized amount; and  
14 (3) the actual project life-to-date capital costs and the last supplemental authorized  
15 amount. Also provided is an indicator of whether the project is considered final or  
16 still has expected charges in future years. An indicator of "106" means that one or  
17 more work orders within that project are either in FERC Account 107, *Construction*  
18 *Work in Progress* ("CWIP"), or FERC Account 106, *Construction Complete not*  
19 *Categorized* ("CCNC"). Work orders in FERC Account 107 are not in service as

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<sup>1</sup> The following information is also available, if requested, on a project-by-project basis: Project Authorization Forms, Supplemental Request Forms, and work order cost detail summarized at the project level by cost category over the life of the project.

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1 of December 31, 2021 and are not part of this step increase. Work orders in FERC  
2 Account 106 are in service as of December 31, 2021 and therefore are included in  
3 this step increase, but have not been through the completion, closeout and  
4 unitization process for accounting purposes. Projects with the 106 indicators can  
5 still accept charges. An indicator of “101” means that all of the work orders within  
6 the project are in FERC Account 101, *Plant in Service*. Work orders in FERC  
7 Account 101 have gone through the completion process from a project management  
8 perspective and plant accounting unitization process and, in general, should not be  
9 incurring any additional charges and can be considered final. The Company has  
10 provided a brief explanation for variances greater than \$50,000 and ten percent  
11 when comparing the actual project life-to-date capital costs to the last authorized  
12 amount.

- 13 • Page 4 contains the list of projects identified as annual blanket projects and  
14 programs (annuals). For each annual, the associated plant accounts(s), 2021 plant  
15 in service amount, annual authorization amount, any supplemental authorizations,  
16 and 2021 costs are provided. Dollar and percentage variances are calculated  
17 between: (1) the calendar year 2021 costs and the annual authorized amount; (2)  
18 the last supplemental authorized amount and the annual authorized amount; and  
19 (3) the calendar year 2021 costs and the last supplemental authorized amount. The  
20 2021 plant in service amounts can be for construction from the current year or  
21 construction performed in prior years and placed in service in the current year.

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- 1           • Pages 5-6 contain the list of projects identified as carryover specific projects. For  
2           each project, the associated plant account(s), 2021 plant in service amount, pre-  
3           construction authorization amount, any supplemental authorizations, and actual  
4           project life-to-date capital project costs through December 31, 2021 are provided.  
5           Dollar and percentage variances are calculated between: (1) the actual project life-  
6           to-date capital costs and pre-construction authorized amount; (2) the last  
7           supplemental authorized amount and the pre-construction authorized amount; and  
8           (3) the actual project life-to-date capital costs and last supplemental authorized  
9           amount. Also provided is the 106 or 101 indicator. The Company has provided a  
10          brief explanation for variances greater than \$50,000 and ten percent when  
11          comparing the actual project life-to-date capital costs to the last authorized amount.

12 **Q. Please summarize the costs of the plant additions included in the step adjustment.**

13 A. Table 1 below provides capital projects by category placed in service in 2021, excluding  
14 new business, included in the step adjustment:

15

<b>Project Category</b>	<b>Plant Additions as of December 31, 2021</b>
Specific Current Projects	\$ 70,328,873
Annuals - Blanket Projects and Programs	\$ 44,055,580
Specific Carryover Projects	\$ 8,107,592
<b>Total Plant Additions</b>	<b>\$ 122,492,045</b>

16

17 **Q. Is the level of documentation provided in this filing similar to the documentation**  
18 **provided previously in this docket for the Company's permanent rate request and**  
19 **first/second step adjustment requests?**

20 A. Yes. The scope of documentation is the same or similar to what was provided by the  
21 Company in support of its permanent rate request, and the first and second step

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1 adjustments. However, in the Settlement Agreement, the Company agreed to a business  
2 process audit (“BPA”). As of the date of this filing, the BPA has not yet been completed.  
3 Therefore, the information being provided in this third step adjustment filing is consistent  
4 with the first and second step adjustment filings subject to modifications to address  
5 feedback from the BPA auditors to provide enhanced information with more transparency.

6 **Q. Are all of the investments used and useful in providing service to customers?**

7 A. Yes, all of the investments placed in service in calendar year 2021 are used and useful in  
8 the provision of service to Eversource customers.

9 **Q. Were all of the costs for these investments prudently incurred?**

10 A. Yes. As described earlier, the Company follows a comprehensive process for project  
11 authorization and cost-control in developing and implementing its capital program.

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

13 A. Yes, it does.

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**Summary of Projects Placed in Service in 2021, excluding New Business projects**

**Step 3 - Calendar Year 2021**

<u>Line</u>	<b>Project Category</b>	<b>Plant Additions as of</b>	<b>December 31, 2021</b>
1	Specific Current Projects	\$	70,328,873
2	Annuals - Blanket Projects and Programs	\$	44,055,580
3	Specific Carryover Projects	\$	8,107,592
4	Total Plant Additions	<u>\$</u>	<u>122,492,045</u>



PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY  
Specific Projects Placed in Service in 2021, excluding New Business  
Comparison of Budget to Actual

Table with columns: Line, Year, Plant Type, Project Type, Specific Project No., Project Description, First in Service Event, Plant Account(s), 2021 Plant in Service, Pre-Construction Authorization, Supplemental Authorization, Actual Project Life to Date Costs, Actual Final Cost to Pre-Construction Estimate Variance, Supplement to Pre-Construction Estimate Variance, Actual Final Cost to Supplement Variance, GL Account 101 or 106, Explanation. Includes 2021 Total row at the bottom.

Definitions:  
Col. A: Plant in Service Year  
Col. B: Plant Type (Distribution/General Plant)  
Col. C: Specific project, Annual program/basket project or Specific carryover project with trailing charges  
Col. D: Internal Company project identifier  
Col. E: Description of project work  
Col. F: Year when first work order was placed in service for project  
Col. G: Plant account(s) for work orders contained within project  
Col. H: Amount of plant additions placed in service for the plant year identified in Col. A.  
Col. I: Fully funded pre-construction authorization used to begin construction for projects that meet the criteria for needing an authorization based on Company policy  
Col. J: Supplemental funding project authorization (direct, indirect, including cost of removal) (or N/A for none applicable) based on Company policy  
Col. M: Actual Project Costs (direct and indirect, including cost of removal) through the year identified in Col. A.  
Col. N: Variance (\$) between total actual costs as compared to pre-construction authorized amount identified in Col. I.  
Col. O: Variance (%) between total actual costs as compared to pre-construction authorized amount identified in Col. I.  
Col. P: Variance (\$) between supplement as compared to pre-construction authorized amount identified in Col. I.  
Col. Q: Variance (%) between supplement as compared to pre-construction authorized amount identified in Col. I.  
Col. R: Variance (\$) between total actual costs as compared to supplement amount.  
Col. S: Variance (%) between total actual costs as compared to supplement amount.  
Col. T: Indicates whether one or more work orders are in FERC Account 106 (Completed Construction Not Classified (CCNC)) and can still accept charges or FERC Account 101 (Completed and Utilized by Plant Accounting, work orders are closed out and will not allow charges).  
Col. U: Explanation of variances greater than \$50,000 and 10 percent when comparing actual project life-to-date costs to final authorized amount.  
N/A indicates that the estimated project cost is below the threshold for needing a formal project authorization per Eversource Corporate policy.

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**Annual Blanket Projects and Programs Placed in Service in 2021, excluding New Business projects**  
**Comparison of Budget to Actual**

Total Cost (direct and indirect, includes install and cost of removal)																		
Line	Year	Plant Type	Project Type	Specific Project No.	Project Description	Plant Account(s)	2021 Plant in Service	Annual Authorization	Supplemental Authorization	Calendar Year 2021 Year to Date Costs	Actual Annual Cost to Annual Estimate Variance		Supplement to Annual Estimate Variance		Actual Annual Cost to Supplement Variance		Explanation	
											(\$)	%	(\$)	%	(\$)	%		
Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G	Col. H	Col. I	Col. K	Col. L	Col. M	Col. N	Col. O	Col. P	Col. Q			
1	2021	Distribution	Annual	C01SPA01	JOINT POLES PURCHASE & SALE	364	\$ 49,351.77	\$ 459,000.00		\$ (40,911.70)	\$ (499,912)							
2	2021	Distribution	Annual	C03CTV	CABLE TV PROJECTS ANNUAL	364, 365, 366, 367, 368, 369	\$ 459,776.79	\$ 941,000.00		\$ 434,606.28	\$ (506,394)							
3	2021	Distribution	Annual	C03DOT	NHDOT PROJECT PROGRAM	364, 365, 366, 367, 368, 369, 373	\$ 59,700.75	\$ 2,190,000.00		\$ 329,366.86	\$ (1,860,633)							
4	2021	Distribution	Annual	C03TEL	TELEPHONE PROJECTS ANNUAL	364, 365, 366, 367, 368, 369	\$ 254,181.35	\$ 641,000.00		\$ 231,370.77	\$ (409,629)							
5	2021	Distribution	Annual	CO1PCB	PCB TRANSFORMER CHANGEOUT PROGRAM	364, 365, 368, 369	\$ 156,767.11	\$ 140,000.00	\$ 277,248.00	\$ 275,568.26	\$ 135,568	\$ 137,248.00	98.0%	\$ 98.8%		\$ (1,680)	-1.2%	
6	2021	Distribution	Annual	HP59R	ROADWAY LIGHTING	366, 369, 371, 373	\$ 58,646.15	\$ 304,000.00		\$ 116,754.00	\$ (187,246)							
7	2021	Distribution	Annual	DA9R	NON-ROADWAY LIGHTING	364, 365, 369, 371	\$ 172,773.61	\$ 422,000.00		\$ 320,670.00	\$ (101,330)							
8	2021	Distribution	Annual	DG9R	DG FIELD DESIGN & CONSTR- REIMBURSE	364, 365, 366, 367, 368, 369	\$ 48,988.03	\$ 650,000.00		\$ 95,535.82	\$ (554,464)							
9	2021	Distribution	Annual	DH9R	LINE RELOCATIONS	364, 365, 366, 367	\$ 1,011,587.41	\$ 1,584,000.00		\$ 1,489,124.00	\$ (94,876)							
10	2021	Distribution	Annual	DK9R	MAINTAIN VOLTAGE	364, 365, 368, 369	\$ 1,586,428.78	\$ 1,158,000.00	\$ 2,178,000.00	\$ 2,370,465.00	\$ 1,212,465	\$ 1,020,000.00	88.1%	\$ 104.7%		\$ 192,465	16.6%	Actual direct cost was equal to authorized
11	2021	Distribution	Annual	DL9R	DIST LINE ROW PROGRAM	364, 365	\$ 1,073,379.19	\$ 5,000,000.00		\$ 6,213,643.02	\$ 1,213,643							Actual direct cost was \$112K lower than authorized
12	2021	Distribution	Annual	DQ9R	SYSTEM REPAIRS/OBSOLETE	364, 365, 366, 367	\$ 8,473,220.12	\$ 16,011,000.00		\$ 14,527,162.00	\$ (1,483,838)							
13	2021	Distribution	Annual	DR9R	RELIABILITY IMPROVEMENTS	364, 365, 368, 369	\$ 3,913,099.80	\$ 3,000,000.00	\$ 5,237,000.00	\$ 5,405,252.00	\$ 2,405,252	\$ 2,237,000.00	74.6%	\$ 80.2%		\$ 168,252	5.6%	Actual direct cost was \$44K lower than authorized
14	2021	Distribution/General	Annual	DS9RD	NH D SS Annual (Operations)	361, 362, 390	\$ 154,222.41	\$ 950,000.00		\$ 172,834.41	\$ (777,166)							
15	2021	Distribution	Annual	DS9RD1	2021 NH D SS Annual (Operations)	362	\$ 19,481.47	\$ 1,000,000.00		\$ 266,093.37	\$ (733,907)							
16	2021	Distribution	Annual	DS9RE	ROW REPLACE FAILED EQUIPMENT-ANNUA	364, 365	\$ 677,858.77	\$ 1,121,000.00		\$ 1,082,001.50	\$ (38,999)							
17	2021	Distribution/General	Annual	DS9RS	NH D SS Planned Annual (Eng.)	362	\$ 215,441.93	\$ 699,000.00		\$ 103,766.99	\$ (595,233)							
18	2021	Distribution	Annual	DSP8001	DG ENG DESIGN & CONSTR	364, 365, 367, 368, 369	\$ (165,766.23)	\$ -		\$ (60,679.74)	\$ (60,680)							Project is 100% reimbursable (Distr Gen)
19	2021	Distribution	Annual	DT7P	PURCHASE TRANSFORMERS AND REGULATOR	368	\$ 14,624,957.54	\$ 11,566,000.00	\$ 14,624,958.00	\$ 14,624,957.54	\$ 3,058,958	\$ 3,058,958.00	26.4%	\$ 26.4%		\$ (0)	0.0%	
20	2021	Distribution	Annual	DV9R	SERVICES	365, 366, 367, 369	\$ 1,362,068.11	\$ 4,051,000.00		\$ 2,384,953.00	\$ (1,666,047)							
21	2021	General	Annual	GE9R	Tools and Equipment - Engineering	390, 394, 395	\$ 3,304.06	\$ 75,000.00	\$ 150,000.00	\$ 142,096.34	\$ 67,096	\$ 75,000.00	100.0%	\$ 89.5%		\$ (7,904)	-10.5%	
22	2021	General	Annual	GF9R	Misc office equipment	391, 394	\$ 3,328.83	\$ 100,000.00		\$ 142,096.00	\$ 42,096							
23	2021	Distribution/General	Annual	GM9R	NH D SS Capital Tool Annual	362, 389, 390	\$ 92,965.84	\$ 345,000.00		\$ 74,331.83	\$ (270,668)							
24	2021	Distribution/General	Annual	GM9R21	2021 NH D SS Capital Tool Annual	389, 392, 394	\$ 461,662.94	\$ 100,000.00	\$ 625,000.00	\$ 622,168.92	\$ 522,169	\$ 525,000.00	525.0%	\$ 522.2%		\$ (2,831)	-2.8%	
25	2021	General	Annual	GT9R	Tools and Equipment- Troubleshooter	394	\$ 44,875.14	\$ 595,000.00		\$ 490,996.62	\$ (104,003)							
26	2021	General	Annual	GX9R	Tools/equipment - Field Operations	390, 391, 394	\$ 1,000,268.85	\$ 1,122,000.00		\$ 795,314.30	\$ (326,686)							
27	2021	Distribution	Annual	INSOH9R	INSURANCE CLAIM ANNUAL	365, 366, 367, 369	\$ 1,900,569.53	\$ 3,164,000.00		\$ 2,747,899.00	\$ (416,101)							
28	2021	General	Annual	IT6DWANA	TELECOM WAN ANNUALS - PSNH	390	\$ 1,573,832.74	\$ 779,000.00	\$ 1,050,000.00	\$ 1,048,496.00	\$ 269,496	\$ 271,000.00	34.8%	\$ 34.8%		\$ (1,504)	-0.2%	
29	2021	Distribution	Annual	MINOR9R	MINOR STORMS CAPITAL	364, 365, 368, 369	\$ 208,022.87	\$ 202,000.00	\$ 650,000.00	\$ 652,539.00	\$ 450,539	\$ 448,000.00	221.8%	\$ 223.0%		\$ 2,539	1.3%	
30	2021	Distribution	Annual	NHLC03	NH LINE CONTRACTORS	364	\$ 74,519.32	\$ 300,000.00		\$ 249,950.41	\$ (50,050)							
31	2021	Distribution	Annual	NHMT21	NH Annual Meter Project for 2021	370	\$ 1,980,020.32	\$ 32,085,365.00		\$ 1,948,615.21	\$ (30,136,750)							
32	2021	Distribution	Annual	PT9R	TEMPORARY WORK - NH	364, 365, 368, 369	\$ 67,351.19	\$ 250,000.00		\$ 144,080.00	\$ (105,920)							
33	2021	Distribution	Annual	PW9R	PRIVATE WORK - PSNH	364, 365, 360, 369	\$ 160,660.04	\$ 350,000.00		\$ 246,598.00	\$ (103,402)							
34	2021	General	Annual	VEHICLES	NH Vehicle Purchases Distrib	392, 397	\$ 17,633.44	\$ -		\$ -	\$ -							
35	2021	Distribution	Annual	A07X45	REJECT POLE REPLACEMENT	364, 365, 366, 367, 368, 369, 373	\$ 996,951.13	\$ 2,341,000.00		\$ 1,511,565.77	\$ (829,434)							
36	2021	Distribution	Annual	A07X98	NESC CAPITAL REPAIRS	365, 366, 367	\$ 5,862.38	\$ 13,119,164.00		\$ 794.84	\$ (13,118,369)							
37	2021	Distribution	Annual	A10X04	DIRECT BURIED CABLE INJECTION	365,366,367	\$ 41.52	\$ -		\$ -	\$ -							
38	2021	Distribution	Annual	STORMCAP	NH STORM CAPITALIZATION	362, 364, 365, 367, 368, 371, 373	\$ 1,257,544.79	\$ 1,700,000.00		\$ 114,138.53	\$ (1,585,861)							
<b>2021 Total</b>							<b>\$44,055,579.79</b>											

**Definitions:**

- Col. A: Plant in Service Year
  - Col. B: Plant Type (Distribution/General Plant)
  - Col. C: Specific project, Annual program/blanket project or Specific carryover project with trailing charges
  - Col. D: Internal Company project identifier
  - Col. E: Description of project work
  - Col. F: Plant account(s) for work orders contained within project
  - Col. G: Amount of plant additions placed in service for the plant year identified in Col. A.
  - Col. H: Annual authorization for projects that meet the criteria for needing an authorization based on Company policy
  - Col. I: Supplemental funding project authorization (direct, indirect, including cost of removal) (or N/A for none applicable) based on Company policy
  - Col. K: Actual Year to Date Project Costs (direct and indirect, including cost of removal) for the calendar year identified in Col. A.
  - Col. L: Variance (\$) between the actual annual costs as compared to annual authorized amount identified in Col. H.
  - Col. M: Variance (%) between actual annual costs as compared to annual authorized amount identified in Col. H.
  - Col. N: Variance (\$) between supplement as compared to annual authorized amount identified in Col. H.
  - Col. O: Variance (%) between supplement as compared to annual authorized amount identified in Col. H.
  - Col. P: Variance (\$) between actual annual costs as compared to supplement amount.
  - Col. Q: Variance (%) between actual annual costs as compared to supplement amount.
- N/A indicates that the estimated project cost is below the threshold for needing a formal project authorization per Eversource Corporate policy.





**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**Specific Carryover Projects Placed in Service in 2021**  
**Comparison of Budget to Actual**

Total Cost (direct and indirect, includes install and cost of removal)																		
Line	Year	Plant Type	Project Type	Specific Project No.	Project Description	First in Service Event	Plant Account(s)	2021 Plant in Service	Pre-Construction Authorization	Supplemental Authorization	As of 12/31/21 Actual Project Life to Date Costs	Actual Final Cost to Pre-Construction Estimate Variance		Supplement to Pre-Construction Estimate Variance		Actual Final Cost to Supplement Variance		GL Account
												(\$)	%	(\$)	%	(\$)	%	
1	Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G.	Col. H	Col. I	Col. J	Col. M	Col. N	Col. O	Col. P	Col. Q	Col. R	Col. S	Col. T

Col. D: Internal Company project identifier  
 Col. E: Description of project work  
 Col. F: Year when first work order was placed in service for project  
 Col. G: Plant account(s) for work orders contained within project  
 Col. H: Amount of plant additions placed in service for the plant year identified in Col. A.  
 Col. I: Fully funded Pre-construction authorization used to begin construction on project for projects that meet the criteria for needed an authorization based on Company policy  
 Col. J: Supplemental funding project authorization (direct, indirect, including cost of removal) (or N/A for none applicable) based on Company policy  
 Col. M: Actual Project Costs (direct and indirect, including cost of removal) through the year identified in Col. A.  
 Col. N: Variance (\$) between total actual costs as compared to authorized amount identified in Col. I.  
 Col. O: Variance (%) between total actual costs as compared to authorized amount identified in Col. I.  
 Col. P: Variance (\$) between supplement as compared to pre-construction authorized amount identified in Col. I.  
 Col. Q: Variance (%) between supplement as compared to pre-construction authorized amount identified in Col. I.  
 Col. R: Variance (\$) between total actual costs as compared to final authorized amount.  
 Col. S: Variance (%) between total actual costs as compared to final authorized amount.  
 Col. T: Indicates whether one or more work orders are in FERC Account 106 (Completed Construction not Classified (CCNC)) and can still accept charges or FERC Account 101 (Completed and Unitized by Plant Accounting, work orders are closed out and will not allow charges).  
 Col. U: Explanation of variances greater than \$50,000 and 10 percent when comparing actual project life-to-date costs to final authorized amount.  
 N/A indicates that the estimated project cost is below the threshold for needing a formal project authorization per Eversource Corporate policy.

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Explanation  
Col. U

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Does not require a supplement as total costs were within 15% threshold for Corporate Shared Services Projects

Does not require a supplement as total costs were within 15% threshold for Corporate Shared Services Projects  
Does not require a supplement as total costs were within 15% threshold for Corporate Shared Services Projects

Does not require a supplement as direct costs were 7% above authorized  
Does not require a supplement as direct costs were 1.2% above authorized  
Does not require additional supplement as direct costs were 7.5% above authorized

Does not require a supplement as direct costs were \$2.3M less than authorized

Does not require a supplement as direct costs were \$7,578 less than authorized

Does not require a supplement as direct costs were \$252,677 less than authorized  
Does not require a supplement as direct costs were \$20,523 less than authorized  
Does not require a supplement as direct costs were 9% above authorized

Does not require a supplement as direct costs were 5.6% above authorized

Does not require a supplement as direct costs were 6% below authorized

Part of T1267A transmission project and under the threshold for requiring a supplement per APS-01  
Part of T1338A transmission project and under the threshold for requiring a supplement per APS-01  
Part of T1382A transmission project and under the threshold for requiring a supplement per APS-01

Does not require a supplement as direct costs were 8% below authorized

No additional supplement needed as actual directs were \$38,829 below authorized directs.

Under the threshold for a PAF per APS-01

Under the threshold for a PAF per APS-01

Does not require a supplement as direct costs were 5% above authorized

---

Explanation

Col. U

Public Service Company of New Hampshire  
d/b/a Eversource Energy  
Docket No. DE 19-057  
Testimony of Marisa B. Paruta and Edward A. Davis  
April 29, 2022

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

**DOCKET NO. DE 19-057**  
**REQUEST FOR PERMANENT RATES ADJUSTMENT**

**DIRECT TESTIMONY OF**  
**MARISA B. PARUTA and EDWARD A. DAVIS**  
*Step 3 Adjustment Revenue Requirement and Rates*

**On behalf of Public Service Company of New Hampshire**  
**d/b/a Eversource Energy**

**April 29, 2022**

Public Service Company of New Hampshire  
d/b/a Eversource Energy  
Docket No. DE 19-057  
Testimony of Marisa B. Paruta and Edward A. Davis  
April 29, 2022

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**STATE OF NEW HAMPSHIRE**

**BEFORE THE NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION**

**DIRECT TESTIMONY OF  
MARISA B. PARUTA and EDWARD A. DAVIS**

**PETITION OF PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
d/b/a EVERSOURCE ENERGY  
REQUEST FOR PERMANENT RATES ADJUSTMENT**

**Docket No. DE 19-057**

---

1 **I. INTRODUCTION**

2 **Q. Ms. Paruta, please state your full name, position and business address.**

3 A. My name is Marisa B. Paruta. I am employed by Eversource Energy Service Company as  
4 Director of Revenue Requirements for Connecticut and New Hampshire. My business  
5 address is 107 Selden Street, Berlin, Connecticut.

6 **Q. Please provide your educational and professional background.**

7 A. I received a Bachelor of Arts degree in accounting from the University of Connecticut  
8 School of Business. I started my career at Arthur Andersen in the client audit and assurance  
9 practice, continuing at Deloitte in the same practice. I joined Northeast Utilities,  
10 Eversource's predecessor, and worked in the accounting organization through multiple  
11 positions leading to the Director of Corporate Accounting and Financial Reporting. I  
12 moved to the Regulatory and Revenue Requirements team in my current position in June  
13 2021. I have been with Eversource Energy for over 18 years.

14

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1 **Q. What are your principal responsibilities in your current position?**

2 A. As the Director of Revenue Requirements, I am responsible for the coordination and  
3 implementation of revenue requirements calculations and regulatory filings for the  
4 Connecticut and New Hampshire electric and gas subsidiaries of Eversource Energy,  
5 including Public Service Company of New Hampshire d/b/a Eversource Energy (“PSNH”,  
6 “Eversource” or the “Company”). This includes filings associated with the Company’s  
7 Energy Service (“ES”), Stranded Cost Recovery Charge (“SCRC”), Transmission Cost  
8 Adjustment Mechanism (“TCAM”), Regulatory Reconciliation Adjustment (“RRA”) and  
9 Distribution rates.

10 **Q. Have you previously sponsored testimony in this docket?**

11 A. No, I have not.

12 **Q. Mr. Davis, please state your full name, position and business address.**

13 A. My name is Edward A. Davis. I am employed by Eversource Energy Service Company as  
14 the Director of Rates. My business address is 107 Selden Street, Berlin, Connecticut.

15 **Q. What are your principal responsibilities in this position?**

16 A. As the Director of Rates, I am responsible for activities related to rate design, cost of service  
17 and rates administration for Connecticut, Massachusetts and New Hampshire electric and  
18 gas subsidiaries of Eversource Energy, including the Company.

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1 **Q. Did you previously sponsor testimony in this docket that contains additional**  
2 **information on your professional experience and educational backgrounds?**

3 A. Yes. I previously submitted direct testimony as part of the (i) Company's temporary rate  
4 request filed on April 26, 2019; (ii) initial request for permanent rates filed on May 28,  
5 2019, and (iii) Company's rebuttal testimony filed on March 4, 2020.

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

7 A. The purpose of our joint testimony is to support the Company's petition for an increase in  
8 distribution rates for the third step adjustment, to be effective August 1, 2022, as provided  
9 in Section 10 of the Settlement Agreement on Permanent Distribution Rates dated October  
10 9, 2020 (the "Settlement Agreement") and approved by the Commission in Order No.  
11 26,433 on December 15, 2020. The Commission previously approved step adjustments  
12 pursuant to the Settlement Agreement as follows: (i) Step 1 adjustment revenue  
13 requirement of \$10.610 million per Order No. 26,439 on December 23, 2020; and (ii) the  
14 Step 2 adjustment revenue requirement of \$10.969 million per Order No. 26,504 on July  
15 30, 2021, both in this docket. This request is for the Step 3 adjustment referenced in the  
16 Settlement Agreement (Section 10.1(c)) and pertains to certain projects placed in service  
17 during calendar year 2021. Our testimony addresses the revenue requirement calculations,  
18 rate design and rate impacts related to the relevant plant additions, consistent with the terms  
19 of the Settlement Agreement. Documentation on the projects is included with the joint  
20 testimony of Company witnesses Russel Johnson, David Plante and James Devereaux,  
21 which accompanies the petition.

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1 **Q. Are you presenting any attachments in support of your testimony?**

2 A. Yes, we are presenting the following attachments in support of this testimony:

<b>Attachment</b>	<b>Description</b>
Attachment MBP/EAD-1	Revenue Requirement Calculation
Attachment MBP/EAD-2	Distribution Rate Increase, Rate Design and Bill Impact Calculations Effective August 1, 2022
Attachment MBP/EAD-3	Clean and Redline Tariffs

3

4 **Q. How is your testimony organized?**

5 A. Following this introduction, Section II discusses the Settlement Agreement requirements,  
6 Section III explains the revenue requirement calculation, and Section IV provides the rate  
7 calculations.

8 **II. SETTLEMENT AGREEMENT REQUIREMENTS**

9 **Q. Please describe the Settlement Agreement requirements relative to the step**  
10 **adjustments.**

11 A. Section 10 of the Settlement Agreement provides for three step adjustments. This  
12 testimony supports the third of those adjustments. Under the Settlement Agreement, this  
13 step recovers the costs associated with capital projects placed in service during calendar  
14 year 2021, excluding new business projects. That is, it excludes projects that were done to  
15 support new business on the basis that such projects are expected to support themselves  
16 through newly generated revenue.

17 In accordance with Section 10.1(c)(i) of the Settlement Agreement, the third step  
18 adjustment is capped at \$9.3 million in allowed revenue requirement. Any revenue

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1 requirement above that amount will be deferred for future recovery in the next base  
2 distribution rate case. If the revenue requirement is less than \$9.3 million, only the actual  
3 amount will be recovered in the step adjustment. The rate for this third step adjustment is  
4 designed to recover the capped amount of \$9.3 million, effective August 1, 2022, over a  
5 12-month period. The rate impact of the third step adjustment is described in greater detail  
6 below.

7 **Q. Does the Settlement Agreement provide for a revenue requirement calculation design**  
8 **to be used for this step adjustment?**

9 A. As noted in Section 10 of the Settlement Agreement, the method for calculating the revenue  
10 requirement for the step adjustment is similar to the Company's Settlement Agreement  
11 Step 1 and Step 2 revenue requirement filings as approved in Order Nos. 26,439 (December  
12 23, 2020) and 26,504 (July 30, 2021), respectively. As shown in this filing, the Company  
13 has allocated the capped Step 3 revenue requirement increase of \$9.3 million based on the  
14 revenue percentage for each rate class as described below.

15 **Q. Does the Settlement Agreement call for a particular rate design to be used for this**  
16 **step adjustment?**

17 A. Not directly, no. Section 14 of the Settlement Agreement describes the revenue allocation  
18 that will be applied for the permanent rate increase. Specifically, the parties to the  
19 Settlement Agreement agreed that the revenue increase would be allocated in equal  
20 proportionality among the classes. In this filing, the Company has allocated the step  
21 increase revenues among classes based on their respective distribution revenue, which is  
22 equivalent to each class receiving an equal percentage allocation of such increase.

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1 Consistent with prior step adjustments, distribution rates within each class have been  
2 designed in accordance with their respective allocated revenue.

3 **III. REVENUE REQUIREMENT CALCULATION**

4 **Q. Based on the general understandings stated above, please explain how you calculated**  
5 **the revenue requirement for the projects for which the Company is seeking recovery**  
6 **in this step adjustment.**

7 A. As summarized in Attachment MBP/EAD-1, page 1, the revenue requirement for the Step  
8 3 adjustment was calculated by first computing the year-over-year net change in plant  
9 between the year ending December 31, 2020 and the year ending December 31, 2021 as  
10 shown on line 5. Then, the return on the net change in plant was calculated as shown on  
11 line 8 using the rate of return and gross revenue conversion factor. Depreciation and  
12 property taxes were added to calculate the total revenue requirement of \$10,372,595.  
13 Because the calculated revenue requirement was above the Step 3 capped threshold of \$9.3  
14 million, the Company's request is limited to the \$9.3 million capped amount for this Step  
15 3 increase.

16 Page 2 of Attachment MBP/EAD-1 provides more detail on the distribution plant placed  
17 in service, excluding new business. The detail of the 2021 Distribution plant additions  
18 included in line 7 are provided by project in the Johnson/Plante/Devereaux testimony.

19 Page 3 of Attachment MBP/EAD-1 provides the detail on the cost of capital structure as  
20 provided in the Settlement Agreement.

21 Page 4 of Attachment MBP/EAD-1 provides the computation of the Gross Revenue  
22 Conversion Factor ("GRCF") based on the New Hampshire corporate business tax rate of

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1 7.7 percent and the federal corporate income tax rate of 21 percent for the taxable period  
2 ending December 31, 2021. The rate of return and GCRF are used to calculate the return  
3 on the net plant.

4 Page 5 of Attachment MBP/EAD-1 provides the detail behind the calculation of the  
5 composite depreciation rate of 3.15 percent used to apply a depreciation factor to the  
6 revenue requirement.

7 Page 6 of Attachment MBP/EAD-1 provides the computation of the property tax rate to  
8 apply to the revenue requirement.

9 **IV. RATE CALCULATIONS**

10 **Q. Please explain how you calculated the rates for this step adjustment.**

11 A. As this is the third and final step adjustment provided for in the Settlement Agreement, the  
12 revenue requirement recovery period for the Step 3 increase begins August 1, 2022 and  
13 will continue until the time of the Company's next base distribution rate case. Therefore,  
14 the Company calculated the rate design revenue that rates would be set to recover the step  
15 increase over a twelve-month period. The annualized distribution revenue increase has  
16 been allocated to each rate class on a uniform percentage basis to determine the distribution  
17 revenue adjustments and rate design revenue targets for each class. Rates within each class  
18 have been designed to be recover these revenues through volumetric or demand rates,  
19 depending on the distribution rate structure of each rate class. Details of the rate design  
20 for each rate class are provided in Attachment MBP/EAD-2 of this filing.

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1

2 **Q. What are the impacts related to the rate calculations you have described?**

3 A. Attachment MBP/EAD-2 to this testimony provides the rate and bill impacts of this rate  
4 adjustment for each rate and customer class, and for customers at various usage levels  
5 within each class. These impacts reflect the twelve-month period August 1, 2022 through  
6 July 31, 2023 of recovery associated with the Step 3 increase. Attachment MBP/EAD-2,  
7 Pages 1 through 5 show the distribution and overall revenue impacts by customer class;  
8 Attachment MBP/EAD-2, Pages 6 through 27 provide the allocation of distribution  
9 revenue and setting of rate design targets, and show rate design and resulting rates and  
10 revenue by rate class for the Step 3 adjustment; and Attachment MBP/EAD-2, Pages 28  
11 through 50 provide the associated bill impacts for customers within each rate class. Pages  
12 1 through 5 of Attachment MBP/EAD-2 show an average impact of 2.2% for the  
13 distribution component of service and 0.6% overall. Page 28 shows that a residential  
14 customer using 650 kWh in a month would see a bill increase of \$1.09, or 0.75%, relative  
15 to current rates.

16 Distribution rates submitted in this filing are proposed to become effective August 1, 2022.

17 **Q. Are the revenue requirements and rates just and reasonable?**

18 A. Yes. The revenue requirement calculation and resulting rate impacts are consistent with  
19 the Settlement Agreement and result in rates that are just and reasonable.

20 **Q. Does this complete your testimony?**

21 A. Yes, it does.



**CALCULATION OF STEP ADJUSTMENT #3 (EXCLUDES NEW BUSINESS)**

Line	Description	(effective 8/1/2022)		Attachment/Reference
		Year-Ending 12/31/2020 (A)	Year-Ending 12/31/2021 (B)	
1	Total Utility Plant in Service	\$ 2,345,505,174	\$ 2,448,011,579	MBP/EAD-1, Page 2, Line 1
2	Accumulated Provision for Depreciation	633,383,629	670,563,352	MBP/EAD-1, Page 2, Line 2
3	Net Utility Plant	<u>\$ 1,712,121,545</u>	<u>\$ 1,777,448,227</u>	Line 1 - Line 2
4	Gross Plant Change (year over year)		\$ 102,506,405	Line 1 Col. (B) - Line 1 Col. (A)
5	Net Plant Change (year over year)		\$ 65,326,682	Line 3 Col. (B) - Line 3 Col. (A)
6	Rate of Return		6.87%	MBP/EAD-1, Page 3, Line 8
7	Gross Revenue Conversion Factor		<u>1.37142</u>	MBP/EAD-1, Page 4, Line 7
8	Return		\$ 6,154,238	Line 5 x Line 6 x Line 7
9	Depreciation Rate		3.15%	MBP/EAD-1, Page 5, Line 71
10	Depreciation		\$ 2,057,790	Line 5 x Line 9
11	Property Tax Rate		2.11%	MBP/EAD-1, Page 6, Line 3
12	Property Taxes		\$ 2,160,566	Line 4 x Line 11
13	Total Revenue Requirement		<u>\$ 10,372,595</u>	Line 8 + Line 10 + Line 12
14	Step 3 Revenue Requirement Capped Amount		\$ 9,300,000	DE 19-057 Settlement, Section 10.1(c)(i), Bates Page 20
15	<b>Step 3 Revenue Increase (\$000s)</b>		<u><b>\$ 9,300</b></u>	If (Line 13 > Line 14), (Line 14 / 1000)

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### DISTRIBUTION PLANT

Line	Description	Year-Ending 12/31/2020 (A)	Year-Ending 12/31/2021 (B)	Reference
1	Total Utility Plant In Service	\$ 2,345,505,174	\$ 2,448,011,579	FERC Form 1 adj to excl New Business
2	Accumulated Provision for Depreciation	633,383,629	670,563,352	FERC Form 1 adj to excl New Business
3	Net Utility Plant	<u>\$ 1,712,121,545</u>	<u>\$ 1,777,448,227</u>	Line 1 - Line 2
4	Gross Distribution Plant Change (year over year)		<u>\$ 102,506,405</u>	Line 1 Col. (B) - Line 1 Col. (A)
5	Net Distribution Plant Change (year over year)		<u>\$ 65,326,682</u>	Line 3 Col. (B) - Line 3 Col. (A)
6	Beginning Plant Balance	\$ 2,250,917,651	\$ 2,345,505,174	Prior Year Line 9 Col. (A)
7	Additions (excluding New Business)	123,141,060	122,492,045	FERC Form 1 adj to excl New Business
8	Retirements (excluding New Business)	(28,553,538)	(19,985,639)	FERC Form 1 adj to excl New Business
9	Ending Plant Balance	<u>\$ 2,345,505,174</u>	<u>\$ 2,448,011,579</u>	Line 6 + Line 7 + Line 8

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### COST OF CAPITAL

Line	Description	Fixed Percentage	Cost	Rate of Return	Reference
		(A)	(B)	(C) = (A) x (B)	
1	Short-Term Debt	2.44%	2.07%	0.05%	
2	Long-term Debt	43.15%	4.08%	1.76%	
3	Common Equity	54.41%	9.30%	5.06%	
4	Total Capital	100.00%		6.87%	Line 1 + Line 2 + Line 3
5	Weighted Cost of				
6	Debt			1.81%	Line 1 + Line 2
7	Equity			5.06%	Line 3
8	Cost of Capital			6.87%	Line 6 + Line 7

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**COMPUTATION OF GROSS REVENUE CONVERSION FACTOR**

Line Description	Step 3		Reference
	12/31/2020	12/31/2021	
1 Operating revenue percentage	100.000%	100.000%	
2 Less: New Hampshire corporate business tax	<u>7.700%</u>	<u>7.700%</u>	
3 Operating revenue percentage after state taxes	92.300%	92.300%	Line 1 - Line 2
4 Federal income tax rate	21.000%	21.000%	
5 Federal income tax	<u>19.383%</u>	<u>19.383%</u>	Line 3 x Line 4
6 Operating income after federal income tax	<u><u>72.917%</u></u>	<u><u>72.917%</u></u>	Line 3 - Line 5
7 Gross revenue conversion factor	<u><u>137.142%</u></u>	<u><u>137.142%</u></u>	1 / Line 6

**SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST  
AND CALCULATED ANNUAL AND ACCRUED DEPRECIATION RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2018  
WHOLE LIFE DEPRECIATION - AMR RECOVERY OVER 9 YEARS**

LINE	PLANT ACCOUNT	DESCRIPTION	SURVIVOR CURVE	NET SALVAGE PERCENT	ORIGINAL COST AS OF DECEMBER 31, 2018	CALCULATED ANNUAL ACCRUAL AMOUNT	CALCULATED ANNUAL ACCRUAL RATE (G)=(F)/(E)	CALCULATED ACCRUED DEPRECIATION
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
1		<b>ELECTRIC PLANT</b>						
2		<b>INTANGIBLE PLANT</b>						
7	303.00	MISCELLANEOUS INTANGIBLE PLANT	5-SQ	0	18,278,819.53	1,769,835	9.68	14,600,391
8	303.00	MISCELLANEOUS INTANGIBLE PLANT - AMR	5-SQ	0	2,864,448.00	95,483 *	3.33	2,660,846
9	303.20	MISCELLANEOUS INTANGIBLE PLANT - 10 YEAR	10-SQ	0	31,771,797.33	486,807	1.53 **	28,607,554
11		<b>TOTAL INTANGIBLE PLANT</b>			<b>52,915,064.86</b>	<b>2,352,125</b>	<b>4.45</b>	<b>45,868,791</b>
12		<b>DISTRIBUTION PLANT</b>						
15	360.20	LAND AND LAND RIGHTS	75-R4	0	4,123,039.65	54,836	1.33	2,204,822
16	361.00	STRUCTURES AND IMPROVEMENTS	75-R3	(25)	26,387,975.26	438,700	1.66	6,187,652
17	362.00	STATION EQUIPMENT	55-S0.5	(25)	303,092,439.65	6,895,353	2.28	65,238,205
18	362.10	STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM	25-R2.5	0	3,155,937.71	126,238	4.00	1,015,444
19	364.00	POLES, TOWERS AND FIXTURES	53-R0.5	(90)	303,587,829.37	10,901,646	3.59	110,737,706
20	365.00	OVERHEAD CONDUCTORS AND DEVICES	55-R1	(35)	582,095,624.35	14,302,089	2.46	154,119,837
21	366.00	UNDERGROUND CONDUIT	60-R2	(40)	38,757,668.49	906,154	2.34	9,625,266
22	367.00	UNDERGROUND CONDUCTORS AND DEVICES	54-R1.5	(40)	133,741,822.05	3,463,913	2.59	42,368,714
23	368.00	LINE TRANSFORMERS	40-S0	(2)	262,481,157.73	6,693,270	2.55	73,140,846
24	369.10	OVERHEAD SERVICES	44-R2	(125)	81,721,434.74	4,173,922	5.11	47,501,588
25	369.20	UNDERGROUND SERVICES	55-R1.5	(125)	76,631,011.71	3,138,040	4.10	32,482,673
26	370.00	METERS	18-L1	0	44,821,891.75	2,479,416	5.53	19,961,157
27	370.00	METERS - AMR	18-L1	0	31,614,492.00	2,981,203 *	9.43	5,819,204
28	371.00	INSTALLATION ON CUSTOMERS' PREMISES	17-L0	(50)	6,563,781.88	578,892	8.82	3,082,834
29	373.00	STREET LIGHTING AND SIGNAL SYSTEMS	27-L0	(10)	5,130,537.46	208,813	4.07	2,083,777
31		<b>TOTAL DISTRIBUTION PLANT</b>			<b>1,903,906,643.80</b>	<b>57,342,485</b>	<b>3.01</b>	<b>575,569,725</b>
32		<b>GENERAL PLANT</b>						
35	389.20	LAND AND LAND RIGHTS	65-R4	0	26,976.55	415	1.54	13,692
36	390.00	STRUCTURES AND IMPROVEMENTS	50-S0.5	(10)	84,363,470.03	1,854,713	2.20	20,052,815
37	390.10	STRUCTURES AND IMPROVEMENTS - LEASEHOLD	20-S0.5	0	50,859.53	2,543	5.00	19,095
38	391.10	OFFICE FURNITURE AND EQUIPMENT	20-SQ	0	9,755,154.62	487,758	5.00	4,695,337
39	391.20	OFFICE FURNITURE AND EQUIPMENT - COMPUTER EQUIP	5-SQ	0	1,672,250.89	243,506	14.56	960,508
40		<b>TRANSPORTATION EQUIPMENT</b>						
43	392.00	OTHER	15-S4	15	30,225.00	1,714	5.67	14,507
44	392.10	CARS	6-L3	15	97,593.41	13,828	14.17	13,479
45	392.20	LIGHT TRUCKS	11-S1	15	8,605,166.97	664,878	7.73	2,687,250
46	392.30	MEDIUM TRUCKS	14-S3	15	2,764,714.96	167,791	6.07	767,426
47	392.40	HEAVY TRUCKS	15-S2.5	15	26,391,434.00	1,496,262	5.67	8,212,511
48	392.50	ROLLING EQUIPMENT	13-L2.5	15	1,321,753.47	86,396	6.54	235,242
49	392.60	TRAILERS	13-L3	15	4,958,571.11	324,117	6.54	1,661,871
50	392.70	ELECTRIC VEHICLE CHARGING STATION	10-R4	0	7,902.10	790	10.00	5,244
52		<b>TOTAL TRANSPORTATION EQUIPMENT</b>			<b>44,177,361.02</b>	<b>2,755,776</b>	<b>6.24</b>	<b>13,597,530</b>
54	393.00	STORES EQUIPMENT	20-SQ	0	3,257,904.89	162,895	5.00	1,109,379
55	394.00	TOOLS, SHOP AND GARAGE EQUIPMENT	25-SQ	0	14,194,677.76	567,787	4.00	4,037,342
56	395.00	LABORATORY EQUIPMENT	20-SQ	0	2,072,746.95	96,433	4.65	1,339,656
57	396.00	POWER OPERATED EQUIPMENT	15-L4	0	159,421.09	10,633	6.67	71,720
59		<b>COMMUNICATION EQUIPMENT</b>						
61	397.10	MICROWAVE	15-SQ	0	5,646,707.11	240,089	4.25	3,854,488
62	397.20	OTHER	15-SQ	0	22,098,802.35	1,279,811	5.79	10,667,691
63	397.30	GPS	5-SQ	0	443,487.30	54,399	12.27	366,151
65		<b>TOTAL COMMUNICATION EQUIPMENT</b>			<b>28,188,996.76</b>	<b>1,574,299</b>	<b>5.58</b>	<b>14,888,330</b>
67	398.00	MISCELLANEOUS EQUIPMENT	20-SQ	0	1,279,168.86	63,958	5.00	658,566
69		<b>TOTAL GENERAL PLANT</b>			<b>189,198,988.95</b>	<b>7,820,716</b>	<b>4.13</b>	<b>61,443,970</b>
71		<b>TOTAL DEPRECIABLE PLANT</b>			<b>2,146,020,697.61</b>	<b>67,515,326</b>	<b>3.15</b>	<b>682,882,486</b>
72		<b>NONDEPRECIABLE PLANT</b>						
75	301.00	ORGANIZATION			45,057.29			
76	360.10	LAND			5,830,013.57			
77	389.10	LAND			4,806,992.04			
79		<b>TOTAL NONDEPRECIABLE PLANT</b>			<b>10,682,062.90</b>			
81		<b>TOTAL ELECTRIC PLANT</b>			<b>2,156,702,760.51</b>	<b>67,515,326</b>		<b>682,882,486</b>
83		* AMR METERS NET BOOK VALUE BEING DEPRECIATED OVER 9 YEARS						
84		** NEW ADDITIONS TO THIS ACCOUNT WILL BE DEPRECIATED USING A 10.00% RATE						
86		Less Transportation Equipment				(2,755,776)		
87		<b>TOTAL ELECTRIC PLANT</b>				<b>64,759,550</b>		

Public Service Company of New Hampshire  
d/b/a Eversource Energy  
Docket No. DE 19-057  
Settlement Agreement - Step 3 Revenue Requirement  
Attachment MBP/EAD-1  
Page 6 of 6

## PROPERTY TAX RATE CALCULATION

Line	Description	Year-Ended 12/31/2021	Reference
1	Total Distribution Property Taxes	\$ 52,266,266	Reflects CY 2021 Property Tax expense
2	Gross Distribution Plant In Service	\$ 2,479,733,073	Reflects Total Distribution Plant @ 12/31/2021
3	Gross Property Tax Rate	<u>2.11%</u>	Line 1 / Line 2

STATE OF NEW HAMPSHIRE  
PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes - Step 3 Adjustment

Tariff NHPUC No. 10

Date Effective: August 1, 2022

(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
Class of Service	Effect of Proposed Change	Average Number of Customers	Estimated Annual Revenue (a)		Proposed Annual Change	
			Current Rates (b)	Proposed Rates (c)	Revenue	Percent
Residential Service Rate R and R-OTOD	Increase	439,078	\$ 728,530,299	\$ 733,913,532	\$ 5,383,233	0.7%
General Service Rate G and Rate G-OTOD	Increase	75,983	\$ 355,653,547	\$ 357,905,308	\$ 2,251,761	0.6%
Primary General Service Rate GV	Increase	1,393	\$ 294,282,419	\$ 295,261,573	\$ 979,154	0.3%
Large General Service Rate LG	Increase	121	\$ 160,581,132	\$ 161,119,848	\$ 538,716	0.3%
Outdoor Lighting Service Rate OL and Rate EOL	Decrease	773	\$ 9,092,182	\$ 9,239,000	\$ 146,818	1.6%
Total (a)	Increase	517,349	\$ 1,548,139,579	\$ 1,557,439,261	\$ 9,299,682	0.6%

Notes:

(a) Based on actual sales to customers for the twelve-month period ending December 31, 2018, normalized for lighting inventory as of December 2018.

(b) Current rate revenue is based on rates effective February 1, 2022.

(c) Proposed rate revenue is based on proposed distribution rates for effect August 1, 2022.

STATE OF NEW HAMPSHIRE  
PUBLIC UTILITIES COMMISSIONReport of Proposed Rate Changes  
Current Rates

Tariff NHPUC No. 10

Date Effective: August 1, 2022

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H) = Sum of (B) to (G)
Class	Current Distribution	Current Transmission	Current SCRC	Current System Benefits	Current Regulatory Reconciliation Adjustment	Current Energy Service (b)	Total Revenue
Residential Service Rate R (a)	\$ 242,004,920	\$ 98,850,718	\$ 14,999,686	\$ 24,330,751	\$ (1,029,661)	\$ 349,373,885	\$ 728,530,299
General Service Rate G	101,044,149	49,795,013	7,794,224	12,854,042	(409,628)	184,575,747	355,653,547
Primary General Service Rate GV	43,649,668	44,647,900	5,289,630	12,396,614	(169,974)	188,468,581	294,282,419
Large General Service Rate LG	24,145,189	30,355,925	5,503,851	9,308,181	(72,457)	91,340,443	160,581,132
Outdoor Lighting Rates OL, EOL	<u>6,590,241</u>	<u>590,669</u>	<u>343,282</u>	<u>211,765</u>	<u>(1,684,585)</u>	<u>3,040,810</u>	<u>9,092,182</u>
Total Retail	<u>\$ 417,434,167</u>	<u>\$ 224,240,225</u>	<u>\$ 33,930,673</u>	<u>\$ 59,101,353</u>	<u>\$ (3,366,305)</u>	<u>\$ 816,799,466</u>	<u>\$ 1,548,139,579</u>

## Notes:

(a) Revenues for Residential Rate R do not include credits issued to qualifying customers under the Residential Electric Assistance Program.

(b) For purposes of this calculation, all customers are assumed to receive service under the Energy Service rate.

(c) Support for amounts shown above is contained in MBP/EAD-3, pages 11 through 21.



STATE OF NEW HAMPSHIRE  
PUBLIC UTILITIES COMMISSIONReport of Proposed Rate Changes  
Proposed Rates

Tariff NHPUC No. 10

Date Effective: August 1, 2022

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H) = Sum of (B) to (G)
Class	Proposed Permanent Distribution	Current Transmission	Current SCRC	Current System Benefits	Proposed Regulatory Reconciliation Adjustment	Current Energy Service (b)	Total Revenue
Residential Service Rate R (a)	\$ 247,388,153	\$ 98,850,718	\$ 14,999,686	\$ 24,330,751	(1,029,661)	\$ 349,373,885	\$ 733,913,532
General Service Rate G	103,295,910	49,795,013	7,794,224	12,854,042	(409,628)	184,575,747	357,905,308
Primary General Service Rate GV	44,628,822	44,647,900	5,289,630	12,396,614	(169,974)	188,468,581	295,261,573
Large General Service Rate LG	24,683,905	30,355,925	5,503,851	9,308,181	(72,457)	91,340,443	161,119,848
Outdoor Lighting Rates OL, EOL	<u>6,737,059</u>	<u>590,669</u>	<u>343,282</u>	<u>211,765</u>	<u>(1,684,585)</u>	<u>3,040,810</u>	<u>9,239,000</u>
Total Retail	<u>\$ 426,733,849</u>	<u>\$ 224,240,225</u>	<u>\$ 33,930,673</u>	<u>\$ 59,101,353</u>	<u>\$ (3,366,305)</u>	<u>\$ 816,799,466</u>	<u>\$ 1,557,439,261</u>

## Notes:

(a) Revenues for Residential Rate R do not include credits issued to qualifying customers under the Residential Electric Assistance Program.

(b) For purposes of this calculation, all customers are assumed to receive service under the Energy Service rate.

(c) Support for amounts shown above is contained in MBP/EAD-3, pages 11 through 21.

STATE OF NEW HAMPSHIRE  
PUBLIC UTILITIES COMMISSIONReport of Proposed Rate Changes  
Incremental Increase/(Decrease)

Tariff NHPUC No. 10

Date Effective: August 1, 2022

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H) = Sum of (B) to (G)
Class	Proposed Permanent Distribution (b)	Current Transmission	Current SCRC	Current System Benefits	Proposed Regulatory Reconciliation Adjustment	Current Energy Service (c)	Total Revenue
Residential Service Rate R (a)	\$ 5,383,233	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,383,233
General Service Rate G	2,251,761	-	-	-	-	-	2,251,761
Primary General Service Rate GV	979,154	-	-	-	-	-	979,154
Large General Service Rate LG	538,716	-	-	-	-	-	538,716
Outdoor Lighting Rates OL, EOL	146,818	-	-	-	-	-	146,818
Total Retail	<u>\$ 9,299,682</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 9,299,682</u>

## Notes:

(a) Revenues for Residential Rate R do not include credits issued to qualifying customers under the Residential Electric Assistance Program.

(b) MBP/EAD-2, page 3 - MBP/EAD-3, page 2

(c) For purposes of this calculation, all customers are assumed to receive service under the Energy Service rate.

STATE OF NEW HAMPSHIRE  
PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes  
Percent Increase/(Decrease)

Tariff NHPUC No. 10

Date Effective: August 1, 2022

(A) Class	(B) Proposed Permanent Distribution (b)	(C) Current Transmission	(D) Current SCRC	(E) Current System Benefits	(F) Proposed Regulatory Reconciliation Adjustment (c)	(G) Current Energy Service (d)	(H) Total Revenue
Residential Service Rate R (a)	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%
General Service Rate G	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%
Primary General Service Rate GV	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
Large General Service Rate LG	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
Outdoor Lighting Rates OL, EOL	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%
Total Retail	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%

Notes:

- (a) Revenues for Residential Rate R do not include credits issued to qualifying customers under the Residential Electric Assistance Program.
- (b) Percent change is MBP/EAD-3, page 4, Column (B) / MBP/EAD-3, page 2, Column (B)
- (c) Not a calculable value
- (d) For purposes of this calculation, all customers are assumed to receive service under the Energy Service rate.

**Distribution Revenue Allocation  
Step 3 Distribution Change**

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Current Rate Distribution Revenue	\$	417,434
Step 3 Incremental Revenue	\$	9,300
Proposed Distribution Revenue	\$	426,734
Incremental Increase	\$	<b>9,300</b>
Step 3 Incremental Change		<b>2.23%</b>

Source:
Line 55, Column A
Settlement Agreement
Line 11 + Line 13
Line 15 - Line 11
Line 15 / Line 11

	A	B	C = B * Line 19	D = B + C	E	F = E - B	G = F / A	H = E / B	
	Test Year 2018 Billed Sales (MWh)	Current Rate Distribution Revenue (Rev \$000)	D Change (Rev \$000)	Distribution Target (Rev \$000)	Proposed Rate Distribution (Rev \$000)	Difference Proposed vs Current			
Rate						(Rev \$000)	c/kWh	% Chg.	
R	3,144,509	\$ 236,433.4	\$ 5,267.5	\$ 241,700.9	\$ 241,684.8	(16.16)			
R-TOD	462	40.6	0.9	41.5	41.4	(0.13)			
	3,144,971	236,474.1	5,268.4	241,742.5	241,726.2	(16.29) \$	5,252.1	0.167	
								2.22%	
R-WH	92,916	4,749.7	105.8	4,855.5	4,856.5	1.04			
G-WH	3,379	155.5	3.5	159.0	159.4	0.42			
LCS-R	36,777	781.2	17.4	798.6	805.4	6.87			
LCS-G	4,510	76.1	1.7	77.7	79.0	1.28			
	137,582	5,762.4	128.4	5,890.8	5,900.4	9.61	138.0	0.100	
								2.39%	
G	1,715,822	100,361.8	2,236.0	102,597.8	102,595.3	(2.45)			
G-TOD	856	209.1	4.7	213.8	215.1	1.28			
	1,716,678	100,570.9	2,240.6	102,811.5	102,810.4	(1.17)	2,239.4	0.130	
								2.23%	
G-SH	5,452	241.7	5.4	247.1	247.1	0.07	5.5	0.100	
								2.26%	
GV	1,665,676	43,396.4	966.8	44,363.2	44,370.7	7.48	974.3	0.058	
								2.25%	
LG	1,172,439	22,580.3	503.1	23,083.3	23,083.3	(0.01)	503.1	0.043	
								2.23%	
B-GV	2,778	253.3	5.6	258.9	258.1	(0.80)			
B-LG	80,345	1,564.9	34.9	1,599.8	1,600.6	0.79			
	83,123	1,818.2	40.5	1,858.7	1,858.7	(0.00)	40.5	0.049	
								2.23%	
EOL	11,371	2,149.1	47.9	2,197.0	2,197.0	(0.01)			
OL	17,130	4,441.1	98.9	4,540.1	4,540.1	0.00			
	28,501	6,590.2	146.8	6,737.1	6,737.1	(0.01)	146.8	0.515	
								2.23%	
Total Retail	<b>7,954,422</b>	<b>\$ 417,434.2</b>	<b>\$ 9,300.0</b>	<b>\$ 426,734.2</b>	<b>\$ 426,733.8</b>	<b>(0.32) \$</b>	<b>9,299.7</b>	<b>0.117</b>	<b>2.23%</b>
				Distribution Target	\$ 426,734.2		Line 15		
				Difference	\$ (0.3)		Line 55, Col. F - Line 57, Col. F		

Public Service Company of New Hampshire  
d/b/a Eversource Energy  
Docket No. DE 19-057  
Attachment MBP/EAD-2  
April 29, 2022  
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## SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

Rate	Blocks	Current Rates (02/01/22)	Proposed Rates (08/01/22)	Percent Change
R	Customer charge	\$ 13.81	\$ 13.81	0.00%
	All KWH	0.05196	0.05363	3.21%
Uncontrolled				
Water	Meter charge	\$ 4.87	\$ 4.87	0.00%
Heating	All KWH	0.02404	0.02519	4.78%
Controlled				
Water	Meter charge	\$ 4.87	\$ 4.87	0.00%
Heating	All KWH	0.02404	0.02519	4.78%
R-OTOD	Customer charge	\$ 32.08	\$ 32.08	0.00%
	On-peak KWH	\$ 0.15095	\$ 0.15263	1.11%
	Off-peak KWH	0.00818	0.00986	20.54%
G	Single phase customer charge	\$ 16.21	\$ 16.21	0.00%
	Three phase customer charge	32.39	32.39	0.00%
	Load charge (over 5 KW)	\$ 11.69	\$ 12.24	4.70%
	First 500 KWH	\$ 0.02820	\$ 0.02820	0.00%
	Next 1,000 KWH	0.02283	0.02283	0.00%
	All additional KWH	0.01724	0.01724	0.00%
Space Heating	Meter charge	\$ 3.24	\$ 3.24	0.00%
	All KWH	0.04135	0.04235	2.42%
G-OTOD	Single phase customer charge	\$ 41.98	\$ 41.98	0.00%
	Three phase customer charge	60.00	60.00	0.00%
	Load charge	\$ 15.12	\$ 15.67	3.64%
	On-peak KWH	0.05350	0.05350	0.00%
	Off-peak KWH	0.00851	0.00851	0.00%
LCS	Radio-controlled option	\$ 6.99	\$ 6.99	0.00%
	8, 10 or 11-hour option	4.87	4.87	0.00%
	Switch option	4.87	4.87	0.00%
	Radio-controlled option	\$ 0.01284	\$ 0.01350	5.14%
	8-hour option	0.02404	\$ 0.02470	2.75%
	10 or 11-hour option	0.02404	\$ 0.02470	2.75%

Public Service Company of New Hampshire  
d/b/a Eversource Energy  
Docket No. DE 19-057  
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April 29, 2022  
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## SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

Rate	Blocks	Current Rates (02/01/21)	Proposed Rates (08/01/22)	Percent Change
GV	Customer charge	\$ 211.21	\$ 211.21	0.00%
	First 100 KW	\$ 6.98	\$ 7.21	3.30%
	All additional KW	6.72	\$ 6.95	3.42%
	First 200,000 KWH	\$ 0.00663	\$ 0.00663	0.00%
	All additional KWH	0.00590	0.00590	0.00%
	Minimum Charge	\$ 1,062.00	\$ 1,062.00	0.00%
LG	Customer charge	\$ 660.15	\$ 660.15	0.00%
	Demand charge	\$ 5.92	\$ 6.11	3.19%
	On-peak KWH	\$ 0.00559	\$ 0.00559	0.00%
	Off-peak KWH	0.00473	0.00473	0.00%
	Minimum Charge	\$ 1,126.00	\$ 1,126.00	0.00%
	Discount for Service at 115kV	\$ (0.51)	\$ (0.51)	0.00%
B Service at less than 115 KV	Administrative charge	\$ 372.10	\$ 372.10	0.00%
	Translation charge	62.42	62.42	0.00%
	Demand charge	\$ 5.43	\$ 5.57	2.52%
	All KWH	Energy charges in the standard rate		
B Service at 115 KV or higher	Administrative charge	\$ 372.10	\$ 372.10	0.00%
	Translation charge	62.42	62.42	0.00%
	Demand charge	Not applicable		
	All KWH	Not applicable		

Public Service Company of New Hampshire  
d/b/a Eversource Energy  
Docket No. DE 19-057  
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SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

Outdoor Lighting Service Rate OL

	<u>Lumens</u>	<u>Watts</u>	<u>Current Rates (02/01/22)</u>	<u>Proposed Rates (08/01/22)</u>	<u>Percent Change</u>
<b>For new and existing installations</b>					
High Pressure Sodium	4,000	50	\$ 15.59	\$ 15.94	2.23%
	5,800	70	15.59	15.94	2.23%
	9,500	100	20.73	21.20	2.23%
	16,000	150	29.32	29.98	2.23%
	30,000	250	30.05	30.72	2.23%
	50,000	400	30.39	31.06	2.23%
	130,000	1,000	48.76	49.85	2.23%
Metal Halide	5,000	70	16.26	16.62	2.23%
	8,000	100	22.26	22.76	2.23%
	13,000	150	30.54	31.22	2.23%
	13,500	175	31.19	31.89	2.23%
	20,000	250	31.19	31.89	2.23%
	36,000	400	31.48	32.18	2.23%
	100,000	1,000	47.19	48.24	2.23%
Light Emitting Diode (LED)	2,500	28	10.29	10.52	2.23%
	4,100	36	10.27	10.50	2.23%
	4,800	51	10.44	10.67	2.23%
	8,500	92	11.47	11.73	2.23%
	13,300	142	12.67	12.96	2.23%
	24,500	220	15.89	16.25	2.23%
<b>For existing installations only</b>					
Incandescent	600	105	8.98	9.18	2.23%
	1,000	105	10.03	10.25	2.23%
	2,500	205	12.86	13.15	2.23%
	6,000	448	22.10	22.59	2.23%
Mercury	3,500	100	13.75	14.06	2.23%
	7,000	175	16.55	16.92	2.23%
	11,000	250	20.46	20.91	2.23%
	15,000	400	23.40	23.92	2.23%
	20,000	400	25.26	25.83	2.23%
	56,000	1,000	40.16	41.05	2.23%
Fluorescent	20,000	330	34.27	35.03	2.23%
High Pressure Sodium in existing mercury luminaires					
	12,000	150	21.45	21.92	2.23%
	34,200	360	27.45	28.06	2.23%

Public Service Company of New Hampshire  
d/b/a Eversource Energy  
Docket No. DE 19-057  
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April 29, 2022  
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**Summary of Revenues by Type and Class**

Current Revenues							
	Distribution	Transmission	SCRC	SBC	RRA	Energy	Total
Rate R	236,433,440	95,781,754	14,401,853	23,363,704	(1,006,243)	335,487,699	704,462,207
Rate R CWH	27,658	12,845	2,500	4,047	(98)	58,117	105,069
Rate R UWH	4,722,027	2,178,117	423,061	686,319	(16,627)	9,855,103	17,848,000
Rate R LCS	781,152	867,199	168,806	273,252	(6,619)	3,923,726	6,007,516
Rate R OTOD	40,643	10,803	3,466	3,429	(74)	49,240	107,507
Rate R	242,004,920	98,850,718	14,999,686	24,330,751	(1,029,661)	349,373,885	728,530,299
Rate G	100,361,807	49,398,204	7,711,551	12,748,559	(406,092)	183,061,068	352,875,097
Rate G CWH	-	-	-	-	-	-	-
Rate G UWH	155,486	79,684	35,145	25,108	(608)	360,538	655,353
Rate G LCS	76,055	106,343	7,712	33,508	(812)	481,159	703,965
Rate G Space	241,682	154,833	35,437	40,507	(1,036)	581,659	1,053,082
Rate G OTOD	209,119	55,949	4,379	6,360	(1,080)	91,323	366,050
Rate G	101,044,149	49,795,013	7,794,224	12,854,042	(409,628)	184,575,747	355,653,547
Rate GV	43,649,668	44,647,900	5,289,630	12,396,614	(169,974)	188,468,581	294,282,419
Rate LG	24,145,189	30,355,925	5,503,851	9,308,181	(72,457)	91,340,443	160,581,132
Rate OL/EOL	6,590,241	590,669	343,282	211,765	(1,684,585)	3,040,810	9,092,182
<b>TOTAL</b>	<b>417,434,167</b>	<b>224,240,225</b>	<b>33,930,673</b>	<b>59,101,353</b>	<b>(3,366,305)</b>	<b>816,799,466</b>	<b>1,548,139,579</b>

Proposed Revenues							
	Distribution	Transmission	SCRC	SBC	RRA	Energy	Total
Rate R	241,684,771	95,781,754	14,401,853	23,363,704	(1,006,243)	335,487,699	709,713,538
Rate R CWH	28,285	12,845	2,500	4,047	(98)	58,117	105,696
Rate R UWH	4,828,254	2,178,117	423,061	686,319	(16,627)	9,855,103	17,954,227
Rate R LCS	805,425	867,199	168,806	273,252	(6,619)	3,923,726	6,031,789
Rate R OTOD	41,418	10,803	3,466	3,429	(74)	49,240	108,282
Rate R	247,388,153	98,850,718	14,999,686	24,330,751	(1,029,661)	349,373,885	733,913,532
Rate G	102,595,312	49,398,204	7,711,551	12,748,559	(406,092)	183,061,068	355,108,602
Rate G CWH	-	-	-	-	-	-	-
Rate G UWH	159,373	79,684	35,145	25,108	(608)	360,538	659,240
Rate G LCS	79,031	106,343	7,712	33,508	(812)	481,159	706,941
Rate G Space	247,134	154,833	35,437	40,507	(1,036)	581,659	1,058,534
Rate G OTOD	215,060	55,949	4,379	6,360	(1,080)	91,323	371,991
Rate G	103,295,910	49,795,013	7,794,224	12,854,042	(409,628)	184,575,747	357,905,308
Rate GV	44,628,822	44,647,900	5,289,630	12,396,614	(169,974)	188,468,581	295,261,573
Rate LG	24,683,905	30,355,925	5,503,851	9,308,181	(72,457)	91,340,443	161,119,848
Rate OL/EOL	6,737,059	590,669	343,282	211,765	(1,684,585)	3,040,810	9,239,000
<b>TOTAL</b>	<b>426,733,849</b>	<b>224,240,225</b>	<b>33,930,673</b>	<b>59,101,353</b>	<b>(3,366,305)</b>	<b>816,799,466</b>	<b>1,557,439,261</b>

9,299,682

Note: Immaterial differences due to rounding.

Source of data is MBP/EAD-2, pages 12 through 21



Comparison of Current vs Proposed  
Permanent Rates

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
<b>Rate R - Residential Electric Service</b>							
<b>Customer Charge</b>	5,289,264	\$ 13.81	\$ 73,044,736	\$ 13.81	\$ 73,044,736	\$ -	0.00%
<b>Energy Charge All kWh</b>	3,144,509,315						
Distribution		\$ 0.05196	\$ 163,388,704	\$ 0.05363	\$ 168,640,035	\$ 5,251,331	3.21%
Transmission		0.03046	95,781,754	0.03046	95,781,754	-	0.00%
Stranded Cost Recovery Charge		0.00458	14,401,853	0.00458	14,401,853	-	0.00%
System Benefits Charge		0.00743	23,363,704	0.00743	23,363,704	-	0.00%
Regulatory Reconciliation Adjustment		(0.00032)	(1,006,243)	(0.00032)	(1,006,243)	-	0.00%
Energy Service Charge		0.10669	335,487,699	0.10669	335,487,699	-	0.00%
Distribution Impact Only		\$ 0.07519	\$ 236,433,440	\$ 0.07686	\$ 241,684,771	\$ 5,251,331	2.22%
Total Change		\$ 0.22403	\$ 704,462,207	\$ 0.22570	\$ 709,713,538	\$ 5,251,331	0.75%
<b>Rate R - Residential Uncontrolled Water Heating</b>							
<b>Customer Charge</b>	513,638	\$ 4.87	\$ 2,501,419	\$ 4.87	\$ 2,501,419	\$ -	0.00%
<b>Energy Charge All kWh</b>	92,371,389						
Distribution		\$ 0.02404	\$ 2,220,608	\$ 0.02519	\$ 2,326,835	\$ 106,227	4.78%
Transmission		0.02358	2,178,117	0.02358	2,178,117	-	0.00%
Stranded Cost Recovery Charge		0.00458	423,061	0.00458	423,061	-	0.00%
System Benefits Charge		0.00743	686,319	0.00743	686,319	-	0.00%
Regulatory Reconciliation Adjustment		(0.00018)	(16,627)	(0.00018)	(16,627)	-	0.00%
Energy Service Charge		0.10669	9,855,103	0.10669	9,855,103	-	0.00%
Distribution Impact Only		\$ 0.05112	\$ 4,722,027	\$ 0.05227	\$ 4,828,254	\$ 106,227	2.25%
Total Change		\$ 0.19322	\$ 17,848,000	\$ 0.19437	\$ 17,954,227	\$ 106,227	0.60%
<b>Rate R - Residential Controlled Water Heating</b>							
<b>Customer Charge</b>	2,990	\$ 4.87	\$ 14,563	\$ 4.87	\$ 14,563	\$ -	0.00%
<b>Energy Charge All kWh</b>	544,730						
Distribution		\$ 0.02404	\$ 13,095	\$ 0.02519	\$ 13,722	\$ 627	4.78%
Transmission		0.02358	12,845	0.02358	12,845	-	0.00%
Stranded Cost Recovery Charge		0.00459	2,500	0.00459	2,500	-	0.00%
System Benefits Charge		0.00743	4,047	0.00743	4,047	-	0.00%
Regulatory Reconciliation Adjustment		(0.00018)	(98)	(0.00018)	(98)	-	0.00%
Energy Service Charge		0.10669	58,117	0.10669	58,117	-	0.00%
Distribution Impact Only		\$ 0.05077	\$ 27,658	\$ 0.05192	\$ 28,285	\$ 627	2.27%
Total Change		\$ 0.19288	\$ 105,069	\$ 0.19403	\$ 105,696	\$ 627	0.60%

Comparison of Current vs Proposed  
 Permanent Rates

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Rate R - Load Control Service, Radio Controlled							
<b>Customer Charge</b>	41,348	\$ 6.99	\$ 289,020	\$ 6.99	\$ 289,020	\$ -	0.00%
<b>Energy Charge All kWh</b>	36,095,933						
Distribution		\$ 0.01284	\$ 463,472	\$ 0.01350	\$ 487,295	\$ 23,823	5.14%
Transmission		0.02358	851,142	0.02358	851,142	-	0.00%
Stranded Cost Recovery Charge		0.00459	165,680	0.00459	165,680	-	0.00%
System Benefits Charge		0.00743	268,193	0.00743	268,193	-	0.00%
Regulatory Reconciliation Adjustment		(0.00018)	(6,497)	(0.00018)	(6,497)	-	0.00%
Energy Service Charge		0.10669	3,851,075	0.10669	3,851,075	-	0.00%
Distribution Impact Only		\$ 0.02085	\$ 752,492	\$ 0.02151	\$ 776,315	\$ 23,823	3.17%
Total Change		\$ 0.16296	\$ 5,882,085	\$ 0.16362	\$ 5,905,908	\$ 23,823	0.41%
Rate R - Load Control Service, 8 Hour Switch							
<b>Customer Charge</b>	145	\$ 4.87	\$ 704	\$ 4.87	\$ 704	\$ -	0.00%
<b>Energy Charge All kWh</b>	44,152						
Distribution		\$ 0.02404	\$ 1,061	\$ 0.02470	\$ 1,091	\$ 30	2.75%
Transmission		0.02358	1,041	0.02358	1,041	-	0.00%
Stranded Cost Recovery Charge		0.00459	203	0.00459	203	-	0.00%
System Benefits Charge		0.00743	328	0.00743	328	-	0.00%
Regulatory Reconciliation Adjustment		(0.00018)	(8)	(0.00018)	(8)	-	0.00%
Energy Service Charge		0.10669	4,711	0.10669	4,711	-	0.00%
Distribution Impact Only		\$ 0.03998	\$ 1,765	\$ 0.04066	\$ 1,795	\$ 30	1.70%
Total Change		\$ 0.18210	\$ 8,040	\$ 0.18278	\$ 8,070	\$ 30	0.37%
Rate R - Load Control Service, 8 Hour No Switch							
<b>Customer Charge</b>	1,249	\$ 4.87	\$ 6,084	\$ 4.87	\$ 6,084	\$ -	0.00%
<b>Energy Charge All kWh</b>	357,451						
Distribution		\$ 0.02404	\$ 8,593	\$ 0.02470	\$ 8,829	\$ 236	2.75%
Transmission		0.02358	8,429	0.02358	8,429	-	0.00%
Stranded Cost Recovery Charge		0.00459	1,641	0.00459	1,641	-	0.00%
System Benefits Charge		0.00743	2,656	0.00743	2,656	-	0.00%
Regulatory Reconciliation Adjustment		(0.00018)	(64)	(0.00018)	(64)	-	0.00%
Energy Service Charge		0.10669	38,136	0.10669	38,136	-	0.00%
Distribution Impact Only		\$ 0.04106	\$ 14,677	\$ 0.04172	\$ 14,913	\$ 236	1.61%
Total Change		\$ 0.18317	\$ 65,475	\$ 0.18383	\$ 65,711	\$ 236	0.36%
Rate R - Load Control Service, 10/11 Hour Switch							
<b>Customer Charge</b>	60	\$ 4.87	\$ 292	\$ 4.87	\$ 292	\$ -	0.00%
<b>Energy Charge All kWh</b>	13,784						
Distribution		\$ 0.02404	\$ 331	\$ 0.02470	\$ 340	\$ 9	2.75%
Transmission		0.02358	325	0.02358	325	-	0.00%
Stranded Cost Recovery Charge		0.00459	63	0.00459	63	-	0.00%
System Benefits Charge		0.00743	102	0.00743	102	-	0.00%
Regulatory Reconciliation Adjustment		(0.00018)	(2)	(0.00018)	(2)	-	0.00%
Energy Service Charge		0.10669	1,471	0.10669	1,471	-	0.00%
Distribution Impact Only		\$ 0.04520	\$ 623	\$ 0.04585	\$ 632	\$ 9	1.44%
Total Change		\$ 0.18732	\$ 2,582	\$ 0.18797	\$ 2,591	\$ 9	0.35%
Rate R - Load Control Service, 10/11 Hour No Switch							
<b>Customer Charge</b>	1,070	\$ 4.87	\$ 5,211	\$ 4.87	\$ 5,211	\$ -	0.00%
<b>Energy Charge All kWh</b>	265,564						
Distribution		\$ 0.02404	\$ 6,384	\$ 0.02470	\$ 6,559	\$ 175	2.75%
Transmission		0.02358	6,262	0.02358	6,262	-	0.00%
Stranded Cost Recovery Charge		0.00459	1,219	0.00459	1,219	-	0.00%
System Benefits Charge		0.00743	1,973	0.00743	1,973	-	0.00%
Regulatory Reconciliation Adjustment		(0.00018)	(48)	(0.00018)	(48)	-	0.00%
Energy Service Charge		0.10669	28,333	0.10669	28,333	-	0.00%
Distribution Impact Only		\$ 0.04366	\$ 11,595	\$ 0.04432	\$ 11,770	\$ 175	1.51%
Total Change		\$ 0.18577	\$ 49,334	\$ 0.18643	\$ 49,509	\$ 175	0.35%

Comparison of Current vs Proposed  
Permanent Rates

Rate R - Optional Time of Day	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
<b>Customer Charge</b>	466	\$ 32.08	\$ 14,936	\$ 32.08	\$ 14,936	\$ -	0.00%
<b>Energy Charge On Peak kWh</b>	153,613						
Distribution		\$ 0.15095	\$ 23,188	\$ 0.15263	\$ 23,446	\$ 258	1.11%
Transmission		0.03046	4,679	0.03046	4,679	-	0.00%
Stranded Cost Recovery Charge		0.00751	1,154	0.00751	1,154	-	0.00%
System Benefits Charge		0.00743	1,141	0.00743	1,141	-	0.00%
Regulatory Reconciliation Adjustment		(0.00016)	(25)	(0.00016)	(25)	-	0.00%
Energy Service Charge		0.10669	16,389	0.10669	16,389	-	0.00%
<b>Energy Charge Off Peak kWh</b>	307,907						
Distribution		\$ 0.00818	\$ 2,519	\$ 0.00986	\$ 3,036	517	20.52%
Transmission		0.01989	6,124	0.01989	6,124	-	0.00%
Stranded Cost Recovery Charge		0.00751	2,312	0.00751	2,312	-	0.00%
System Benefits Charge		0.00743	2,288	0.00743	2,288	-	0.00%
Regulatory Reconciliation Adjustment		(0.00016)	(49)	(0.00016)	(49)	-	0.00%
Energy Service Charge		0.10669	32,851	0.10669	32,851	-	0.00%
Distribution Impact Only		\$ 0.08806	\$ 40,643	\$ 0.08974	\$ 41,418	\$ 775	1.91%
<b>Total Change</b>		\$ 0.23294	\$ 107,507	\$ 0.23462	\$ 108,282	\$ 775	0.72%

Comparison of Current vs Proposed  
 Permanent Rates

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg	
11	Rate G - General Service							
16	<b>Customer Charge</b>							
17	Customer Charge 1 Phase	682,271	\$ 16.21	\$ 11,059,613	\$ 16.21	\$ 11,059,613	-	0.00%
18	Customer Charge 3 Phase	235,118	\$ 32.39	7,615,478	32.39	7,615,478	-	0.00%
21	<b>Demand Charge &gt;5 kW</b>							
21		4,060,918						
22	Distribution		\$ 11.69	\$ 47,472,131	\$ 12.24	\$ 49,705,636	2,233,505	4.70%
23	Transmission		7.86	31,918,815	7.86	31,918,815	-	0.00%
24	Stranded Cost Recovery Charge		0.53	2,152,287	0.53	2,152,287	-	0.00%
25	Regulatory Reconciliation Adjustment		(0.10)	(406,092)	(0.10)	(406,092)	-	0.00%
27	<b>Energy Charge &lt; 500 kWh</b>							
27		273,389,497						
28	Distribution		\$ 0.02820	\$ 7,709,584	\$ 0.02820	\$ 7,709,584	-	0.00%
29	Transmission		0.02840	7,764,262	0.02840	7,764,262	-	0.00%
30	Stranded Cost Recovery Charge		0.00324	885,782	0.00324	885,782	-	0.00%
31	System Benefits Charge		0.00743	2,031,284	0.00743	2,031,284	-	0.00%
32	Energy Service Charge		0.10669	29,167,925	0.10669	29,167,925	-	0.00%
35	<b>Energy Charge 501 - 1500 kWh</b>							
35		292,926,918						
36	Distribution		\$ 0.02283	\$ 6,687,522	\$ 0.02283	\$ 6,687,522	-	0.00%
37	Transmission		0.01068	3,128,459	0.01068	3,128,459	-	0.00%
38	Stranded Cost Recovery Charge		0.00324	949,083	0.00324	949,083	-	0.00%
39	System Benefits Charge		0.00743	2,176,447	0.00743	2,176,447	-	0.00%
40	Energy Service Charge		0.10669	31,252,373	0.10669	31,252,373	-	0.00%
43	<b>Energy Charge &gt;1500 kWh</b>							
43		1,149,505,765						
44	Distribution		\$ 0.01724	19,817,479	\$ 0.01724	19,817,479	-	0.00%
45	Transmission		0.00573	6,586,668	0.00573	6,586,668	-	0.00%
46	Stranded Cost Recovery Charge		0.00324	3,724,399	0.00324	3,724,399	-	0.00%
47	System Benefits Charge		0.00743	8,540,828	0.00743	8,540,828	-	0.00%
48	Energy Service Charge		0.10669	122,640,770	0.10669	122,640,770	-	0.00%
50	Distribution Impact Only		\$ 0.05849	100,361,807	\$ 0.05979	\$ 102,595,312	\$ 2,233,505	2.23%
51	Total Change		\$ 0.20566	352,875,097	\$ 0.20696	\$ 355,108,602	\$ 2,233,505	0.63%

Comparison of Current vs Proposed  
 Permanent Rates

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Rate G - General Service Uncontrolled Water Heating							
<b>Customer Charge</b>	15,246	\$ 4.87	\$ 74,248	\$ 4.87	\$ 74,248	\$ -	0.00%
<b>Energy Charge All kWh</b>	3,379,300						
Distribution		\$ 0.02404	\$ 81,238	\$ 0.02519	\$ 85,125	\$ 3,887	4.78%
Transmission		0.02358	79,684	0.02358	79,684	-	0.00%
Stranded Cost Recovery Charge		0.01040	35,145	0.01040	35,145	-	0.00%
System Benefits Charge		0.00743	25,108	0.00743	25,108	-	0.00%
Regulatory Reconciliation Adjustment		(0.00018)	(608)	(0.00018)	(608)	-	0.00%
Energy Service Charge		0.10669	360,538	0.10669	360,538	-	0.00%
Distribution Impact Only		\$ 0.04601	\$ 155,486	\$ 0.04716	\$ 159,373	\$ 3,887	2.50%
Total Change		\$ 0.19393	\$ 655,353	\$ 0.19508	\$ 659,240	\$ 3,887	0.59%
Rate G - General Service Controlled Water Heating							
<b>Customer Charge</b>	-	\$ 4.87	\$ -	\$ 4.87	\$ -	\$ -	0.00%
<b>Energy Charge All kWh</b>	-						
Distribution		\$ 0.02404	\$ -	\$ 0.02519	\$ -	\$ -	4.78%
Transmission		0.02358	-	0.02358	-	-	0.00%
Stranded Cost Recovery Charge		0.00550	-	0.00550	-	-	0.00%
System Benefits Charge		0.00743	-	0.00743	-	-	0.00%
Regulatory Reconciliation Adjustment		(0.00018)	-	(0.00018)	-	-	0.00%
Energy Service Charge		0.10669	-	0.10669	-	-	0.00%
Distribution Impact Only			\$ -		\$ -	\$ -	
Total Change			\$ -		\$ -	\$ -	

Comparison of Current vs Proposed  
 Permanent Rates

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Rate G - Space Heating							
<b>Customer Charge</b>							
Customer Charge	5,015	\$ 3.24	\$ 16,248	\$ 3.24	\$ 16,248	\$ -	0.00%
<b>Energy Charge All kWh</b>							
Distribution	5,451,861	\$ 0.04135	\$ 225,434	\$ 0.04235	\$ 230,886	\$ 5,452	2.42%
Transmission		0.02840	154,833	0.02840	154,833	-	0.00%
Stranded Cost Recovery Charge		0.00650	35,437	0.00650	35,437	-	0.00%
System Benefits Charge		0.00743	40,507	0.00743	40,507	-	0.00%
Regulatory Reconciliation Adjustment		(0.00019)	(1,036)	(0.00019)	(1,036)	-	0.00%
Energy Service Charge		0.10669	581,659	0.10669	581,659	-	0.00%
Distribution Impact Only		\$ 0.04433	\$ 241,682	\$ 0.04533	\$ 247,134	\$ 5,452	2.26%
Total		\$ 0.19316	\$ 1,053,082	\$ 0.19416	\$ 1,058,534	\$ 5,452	0.52%
Rate G - Optional Time of Day							
<b>Customer Charge</b>							
Customer Charge 1 Phase	199	\$ 41.98	\$ 8,354	\$ 41.98	\$ 8,354	\$ -	0.00%
Customer Charge 3 Phase	261	\$ 60.00	15,636	60.00	15,636	-	0.00%
<b>Demand Charge</b>							
Distribution	10,801	\$ 15.12	\$ 163,311	\$ 15.67	\$ 169,252	\$ 5,941	3.64%
Transmission		5.18	55,949	5.18	55,949	-	0.00%
Stranded Cost Recovery Charge		0.27	2,916	0.27	2,916	-	0.00%
Regulatory Reconciliation Adjustment		(0.10)	(1,080)	(0.10)	(1,080)	-	0.00%
<b>Energy Charge On Peak kWh</b>							
Distribution	323,044	\$ 0.05350	\$ 17,283	\$ 0.05350	\$ 17,283	\$ -	0.00%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00171	552	0.00171	552	-	0.00%
System Benefits Charge		0.00743	2,400	0.00743	2,400	-	0.00%
Energy Service Charge		0.10669	34,466	0.10669	34,466	-	0.00%
<b>Energy Charge Off Peak kWh</b>							
Distribution	532,915	\$ 0.00851	\$ 4,535	\$ 0.00851	\$ 4,535	\$ -	0.00%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00171	911	0.00171	911	-	0.00%
System Benefits Charge		0.00743	3,960	0.00743	3,960	-	0.00%
Energy Service Charge		0.10669	56,857	0.10669	56,857	-	0.00%
Distribution Impact Only		\$ 0.24431	\$ 209,119	\$ 0.25125	\$ 215,060	\$ 5,941	2.84%
Total Change		\$ 0.42765	\$ 366,050	\$ 0.43459	\$ 371,991	\$ 5,941	1.62%

Comparison of Current vs Proposed  
 Permanent Rates

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Rate G - Load Control Service, Radio Controlled							
16	<b>Customer Charge</b>						
17	Customer Charge	2,298	\$ 6.99	\$ 16,063	\$ 6.99	\$ 16,063	\$ - 0.00%
19	<b>Energy Charge All kWh</b>	4,365,538					
20	Distribution		\$ 0.01284	\$ 56,054	\$ 0.01350	\$ 58,935	\$ 2,881 5.14%
21	Transmission		0.02358	102,939	0.02358	102,939	- 0.00%
22	Stranded Cost Recovery Charge		0.00171	7,465	0.00171	7,465	- 0.00%
23	System Benefits Charge		0.00743	32,436	0.00743	32,436	- 0.00%
24	Regulatory Reconciliation Adjustment		(0.00018)	(786)	(0.00018)	(786)	- 0.00%
25	Energy Service Charge		0.10669	465,759	0.10669	465,759	- 0.00%
27	Distribution Impact Only		\$ 0.01652	\$ 72,117	\$ 0.01718	\$ 74,998	\$ 2,881 3.99%
28	Total Change		\$ 0.15575	\$ 679,930	\$ 0.15641	\$ 682,811	\$ 2,881 0.42%
Rate G - Load Control Service, 8 Hour No Switch							
33	<b>Customer Charge</b>						
34	Customer Charge	72	\$ 4.87	\$ 351	\$ 4.87	\$ 351	\$ - 0.00%
36	<b>Energy Charge All kWh</b>	68,521					
37	Distribution		\$ 0.02404	\$ 1,647	\$ 0.02470	\$ 1,692	\$ 45 2.75%
38	Transmission		0.02358	1,616	0.02358	1,616	- 0.00%
39	Stranded Cost Recovery Charge		0.00171	117	0.00171	117	- 0.00%
40	System Benefits Charge		0.00743	509	0.00743	509	- 0.00%
41	Regulatory Reconciliation Adjustment		(0.00018)	(12)	(0.00018)	(12)	- 0.00%
42	Energy Service Charge		0.10669	7,311	0.10669	7,311	- 0.00%
44	Distribution Impact Only		\$ 0.02916	\$ 1,998	\$ 0.02982	\$ 2,043	\$ 45 2.25%
45	Total Change		\$ 0.16840	\$ 11,539	\$ 0.16906	\$ 11,584	\$ 45 0.39%
Rate G - Load Control Service, 8 Hour Switch							
50	<b>Customer Charge</b>						
51	Customer Charge	0	\$ 4.87	\$ -	\$ 4.87	\$ -	\$ - 0.00%
53	<b>Energy Charge All kWh</b>	0					
54	Distribution		\$ 0.02404	\$ -	\$ 0.02470	\$ -	\$ - 2.75%
55	Transmission		0.02358	-	0.02358	-	- 0.00%
56	Stranded Cost Recovery Charge		0.00171	-	0.00171	-	- 0.00%
57	System Benefits Charge		0.00743	-	0.00743	-	- 0.00%
58	Regulatory Reconciliation Adjustment		(0.00018)	-	(0.00018)	-	- 0.00%
59	Energy Service Charge		0.10669	-	0.10669	-	- 0.00%
61	Distribution Impact Only		\$ -	\$ -	\$ -	\$ -	\$ -
62	Total Change		\$ -	\$ -	\$ -	\$ -	\$ -
Rate G - Load Control Service, 10/11 Hour Switch							
67	<b>Customer Charge</b>						
68	Customer Charge	0	\$ 4.87	\$ -	\$ 4.87	\$ -	\$ - 0.00%
70	<b>Energy Charge All kWh</b>	0					
71	Distribution		\$ 0.02404	\$ -	\$ 0.02470	\$ -	\$ - 2.75%
72	Transmission		0.02358	-	0.02358	-	- 0.00%
73	Stranded Cost Recovery Charge		0.00171	-	0.00171	-	- 0.00%
74	System Benefits Charge		0.00743	-	0.00743	-	- 0.00%
75	Regulatory Reconciliation Adjustment		(0.00018)	-	(0.00018)	-	- 0.00%
76	Energy Service Charge		0.10669	-	0.10669	-	- 0.00%
78	Distribution Impact Only		\$ -	\$ -	\$ -	\$ -	\$ -
79	Total Change		\$ -	\$ -	\$ -	\$ -	\$ -
Rate G - Load Control Service, 10/11 Hour No Switch							
84	<b>Customer Charge</b>						
85	Customer Charge	24	\$ 4.87	\$ 117	\$ 4.87	\$ 117	\$ - 0.00%
87	<b>Energy Charge All kWh</b>	75,820					
88	Distribution		\$ 0.02404	\$ 1,823	\$ 0.02470	\$ 1,873	\$ 50 2.75%
89	Transmission		0.02358	1,788	0.02358	1,788	- 0.00%
90	Stranded Cost Recovery Charge		0.00171	130	0.00171	130	- 0.00%
91	System Benefits Charge		0.00743	563	0.00743	563	- 0.00%
92	Regulatory Reconciliation Adjustment		(0.00018)	(14)	(0.00018)	(14)	- 0.00%
93	Energy Service Charge		0.10669	8,089	0.10669	8,089	- 0.00%
95	Distribution Impact Only		\$ 0.02559	\$ 1,940	\$ 0.02625	\$ 1,990	\$ 50 2.58%
96	Total Change		\$ 0.16481	\$ 12,496	\$ 0.16547	\$ 12,546	\$ 50 0.40%

Comparison of Current vs Proposed  
 Permanent Rates

Rate GV	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
<b>Customer Charge</b>							
Customer Charge	16,601	\$ 211.21	\$ 3,506,255	\$ 211.21	\$ 3,506,255	\$ -	0.00%
<b>Demand 1-100 kW</b>	1,568,428						
Distribution		\$ 6.98	\$ 10,947,627	\$ 7.21	\$ 11,308,366	\$ 360,739	3.30%
Transmission		10.52	16,499,863	10.52	16,499,863	-	0.00%
Stranded Cost Recovery Charge		0.45	705,793	0.45	705,793	-	0.00%
Regulatory Reconciliation Adjustment		(0.04)	(62,737)	(0.04)	(62,737)	-	0.00%
<b>Demand &gt; 100 kW</b>	2,667,694						
Distribution		\$ 6.72	\$ 17,926,904	\$ 6.95	\$ 18,540,473	\$ 613,569	3.42%
Transmission		10.52	28,064,141	10.52	28,064,141	-	0.00%
Stranded Cost Recovery Charge		0.45	1,200,462	0.45	1,200,462	-	0.00%
Regulatory Reconciliation Adjustment		(0.04)	(106,708)	(0.04)	(106,708)	-	0.00%
<b>Minimum Charge</b>	123	\$ 1,062.00	\$ 130,894	\$ 1,062.00	\$ 130,894	\$ -	0.00%
<b>Energy Charge 1 - 200,000 kWh</b>	1,448,276,753						
Distribution		\$ 0.00663	\$ 9,602,075	\$ 0.00663	\$ 9,602,075	\$ -	0.00%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00202	2,925,519	0.00202	2,925,519	-	0.00%
System Benefits Charge		0.00743	10,760,696	0.00743	10,760,696	-	0.00%
Energy Service Charge		0.11296	163,597,342	0.11296	163,597,342	-	0.00%
<b>Energy Charge &gt;200,000 kWh</b>	217,399,074						
Distribution		\$ 0.00590	\$ 1,282,655	\$ 0.00590	\$ 1,282,655	\$ -	0.00%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00202	439,146	0.00202	439,146	-	0.00%
System Benefits Charge		0.00743	1,615,275	0.00743	1,615,275	-	0.00%
Energy Service Charge		0.11296	24,557,399	0.11296	24,557,399	-	0.00%
Distribution Impact Only		\$ 0.02605	\$ 43,396,410	\$ 0.02664	\$ 44,370,718	\$ 974,308	2.25%
Total Change		\$ 0.17626	\$ 293,592,601	\$ 0.17685	\$ 294,566,909	\$ 974,308	0.33%
<b>Rate GV - Backup Service &lt; 115 KV</b>							
<b>Administrative Charge</b>	108	\$ 372.10	\$ 40,187	\$ 372.10	\$ 40,187	\$ -	0.00%
<b>Translation Charge</b>	39	\$ 62.42	\$ 2,434	\$ 62.42	\$ 2,434	\$ -	0.00%
<b>Demand Charge</b>	35,399						
Distribution		\$ 5.43	\$ 192,217	\$ 5.57	\$ 197,063	\$ 4,846	2.52%
Transmission		2.37	83,896	2.37	83,896	-	0.00%
Stranded Cost Recovery Charge		0.37	13,098	0.37	13,098	-	0.00%
Regulatory Reconciliation Adjustment		(0.01)	(529)	(0.01)	(529)	-	0.00%
<b>Energy Charge 1 - 200,000 kWh</b>	2,778,333						
Distribution		\$ 0.00663	\$ 18,420	\$ 0.00663	\$ 18,420	\$ -	0.00%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00202	5,612	0.00202	5,612	-	0.00%
System Benefits Charge		0.00743	20,643	0.00743	20,643	-	0.00%
Energy Service Charge		0.11296	313,840	0.11296	313,840	-	0.00%
<b>Energy Charge &gt;200,000 kWh</b>	0						
Distribution		\$ 0.00590	\$ -	\$ 0.00590	\$ -	\$ -	0.00%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00624	-	0.00624	-	-	0.00%
System Benefits Charge		0.00743	-	0.00743	-	-	0.00%
Energy Service Charge		0.11296	-	0.11296	-	-	0.00%
Distribution Impact Only		\$ 0.09115	\$ 253,258	\$ 0.09290	\$ 258,104	\$ 4,846	1.91%
Total Change		\$ 0.24828	\$ 689,818	\$ 0.25003	\$ 694,664	\$ 4,846	0.70%
<b>Rate GV - Backup Service &gt; 115 KV</b>							
<b>Administrative Charge</b>	-	\$ 372.10	\$ -	\$ 372.10	\$ -	\$ -	0.00%
<b>Translation Charge</b>	-	\$ 62.42	\$ -	\$ 62.42	\$ -	\$ -	0.00%
<b>Demand Charge</b>	-						
Transmission		2.37	-	2.37	-	-	0.00%
Stranded Cost Recovery Charge		0.37	-	0.37	-	-	0.00%
Regulatory Reconciliation Adjustment		(0.01)	-	(0.01)	-	-	0.00%
<b>Energy Charge On Peak</b>	-						
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00202	-	0.00202	-	-	0.00%
System Benefits Charge		0.00743	-	0.00743	-	-	0.00%
Energy Service Charge		0.11296	-	0.11296	-	-	0.00%
<b>Energy Charge Off Peak</b>	-						
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00171	-	0.00171	-	-	0.00%
System Benefits Charge		0.00743	-	0.00743	-	-	0.00%
Energy Service Charge		0.11296	-	0.11296	-	-	0.00%
Distribution Impact Only		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Change		\$ -	\$ -	\$ -	\$ -	\$ -	-



**Comparison of Current vs Proposed  
 Permanent Rates**

Rate LG	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
<b>Customer Charge</b>							
Customer Charge	1,272	\$ 660.15	\$ 839,711	\$ 660.15	\$ 839,711	\$ -	0.00%
<b>Demand</b>	2,661,538						
Distribution		\$ 5.92	\$ 15,756,305	\$ 6.11	\$ 16,259,362	\$ 503,057	3.19%
Transmission		10.36	27,573,534	10.36	27,573,534	-	0.00%
Stranded Cost Recovery Charge		0.50	1,330,769	0.50	1,330,769	-	0.00%
Regulatory Reconciliation Adjustment		(0.02)	(54,905)	(0.02)	(54,905)	-	0.00%
<b>Minimum Charge</b>	0	\$ 1,126.00	\$ -	\$ 1,126.00	\$ -	\$ -	0.00%
<b>Discount for above 115kV</b>	0	\$ (0.51)	\$ -	\$ (0.51)	\$ -	\$ -	0.00%
<b>Energy Charge On Peak</b>	510,025,661						
Distribution		\$ 0.00559	\$ 2,851,043	\$ 0.00559	\$ 2,851,043	\$ -	0.00%
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00393	2,004,401	0.00393	2,004,401	-	0.00%
System Benefits Charge		0.00743	3,789,491	0.00743	3,789,491	-	0.00%
Energy Service Charge		0.07291	37,185,971	0.07291	37,185,971	-	0.00%
<b>Energy Charge Off Peak</b>	662,413,106						
Distribution		\$ 0.00473	\$ 3,133,214	\$ 0.00473	\$ 3,133,214	\$ -	0.00%
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00247	1,636,160	0.00247	1,636,160	-	0.00%
System Benefits Charge		0.00743	4,921,729	0.00743	4,921,729	-	0.00%
Energy Service Charge		0.07291	48,296,540	0.07291	48,296,540	-	0.00%
Distribution Impact Only		\$ 0.01926	\$ 22,580,273	\$ 0.01969	\$ 23,083,330	\$ 503,057	2.23%
Total Charge		\$ 0.12731	\$ 149,283,963	\$ 0.12774	\$ 149,767,020	\$ 503,057	0.34%
<b>Rate LG - Backup Service &lt; 115 KV</b>							
<b>Administrative Charge</b>	109	\$ 372.10	\$ 40,633	\$ 372.10	\$ 40,633	\$ -	0.00%
<b>Translation Charge</b>	26	\$ 62.42	\$ 1,623	\$ 62.42	\$ 1,623	\$ -	0.00%
<b>Demand Charge</b>	260,477						
Distribution		\$ 5.43	\$ 1,414,390	\$ 5.57	\$ 1,450,049	\$ 35,659	2.52%
Transmission		2.37	617,330	2.37	617,330	-	0.00%
Stranded Cost Recovery Charge		0.25	65,119	0.25	65,119	-	0.00%
Regulatory Reconciliation Adjustment		(0.01)	(3,894)	(0.01)	(3,894)	-	0.00%
<b>Energy Charge On Peak</b>	6,651,595						
Distribution		\$ 0.00559	\$ 37,182	\$ 0.00559	\$ 37,182	\$ -	0.00%
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00393	26,141	0.00393	26,141	-	0.00%
System Benefits Charge		0.00743	49,421	0.00743	49,421	-	0.00%
Energy Service Charge		0.07291	484,968	0.07291	484,968	-	0.00%
<b>Energy Charge Off Peak</b>	8,704,697						
Distribution		\$ 0.00473	\$ 41,173	\$ 0.00473	\$ 41,173	\$ -	0.00%
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00247	21,501	0.00247	21,501	-	0.00%
System Benefits Charge		0.00743	64,676	0.00743	64,676	-	0.00%
Energy Service Charge		0.07291	634,659	0.07291	634,659	-	0.00%
Distribution Impact Only		\$ 0.09996	\$ 1,535,001	\$ 0.10228	\$ 1,570,660	\$ 35,659	2.32%
Total Charge		\$ 0.22759	\$ 3,494,922	\$ 0.22991	\$ 3,530,581	\$ 35,659	1.02%
<b>Rate LG - Backup Service &gt; 115 KV</b>							
<b>Administrative Charge</b>	80	\$ 372.10	\$ 29,915	\$ 372.10	\$ 29,915	\$ -	0.00%
<b>Translation Charge</b>	-	\$ 62.42	\$ -	\$ 62.42	\$ -	\$ -	0.00%
<b>Demand Charge</b>	913,528						
Transmission		2.37	\$ 2,165,061	2.37	\$ 2,165,061	-	0.00%
Stranded Cost Recovery Charge		0.25	228,382	0.25	228,382	-	0.00%
Regulatory Reconciliation Adjustment		(0.01)	(13,658)	(0.01)	(13,658)	-	0.00%
<b>Energy Charge On Peak</b>	21,134,611						
Transmission		-	\$ -	-	\$ -	-	0.00%
Stranded Cost Recovery Charge		0.00393	83,059	0.00393	83,059	-	0.00%
System Benefits Charge		0.00743	157,030	0.00743	157,030	-	0.00%
Energy Service Charge		0.07291	1,540,924	0.07291	1,540,924	-	0.00%
<b>Energy Charge Off Peak</b>	43,853,801						
Transmission		-	\$ -	-	\$ -	-	0.00%
Stranded Cost Recovery Charge		0.00247	108,319	0.00247	108,319	-	0.00%
System Benefits Charge		0.00743	325,834	0.00743	325,834	-	0.00%
Energy Service Charge		0.07291	3,197,381	0.07291	3,197,381	-	0.00%
Distribution Impact Only		\$ 0.00046	\$ 29,915	\$ 0.00046	\$ 29,915	\$ -	0.00%
Total Charge		\$ 0.12036	\$ 7,822,247	\$ 0.12036	\$ 7,822,247	\$ -	0.00%

Public Service Company of New Hampshire  
d/b/a Eversource Energy  
Docket No. DE 19-057  
Attachment MBP/EAD-2  
April 29, 2022  
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## SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

## Energy Efficient Outdoor Lighting Service Rate EOL and EOL-2

	<u>Lumens</u>	<u>Watts</u>	<u>Current Rates (02/01/22)</u>	<u>Proposed Rates (08/01/22)</u>	<u>Percent Change</u>
High Pressure Sodium	4,000	50	\$ 6.36	\$6.45	1.5%
	5,800	70	6.67	6.76	1.4%
	9,500	100	7.09	7.18	1.3%
	16,000	150	7.75	7.84	1.2%
	30,000	250	8.98	9.06	1.0%
	50,000	400	10.69	10.77	0.8%
	130,000	1,000	17.38	17.44	0.4%
Metal Halide	5,000	70	6.69	\$6.78	1.4%
	8,000	100	7.03	7.12	1.3%
	13,000	150	7.76	7.85	1.2%
	13,500	175	7.93	8.02	1.1%
	20,000	250	8.80	8.88	1.0%
	36,000	400	10.52	10.60	0.8%
	100,000	1,000	17.20	17.26	0.4%
LED's and other technologies accepted by the Company					
	Per fixture charge		\$ 3.24	\$3.34	3.1%
	Per watt charge		\$ 0.01060	\$ 0.01060	0.0%
EOL-2 LED's and other technologies accepted by the Company					
	Per fixture charge		\$ 2.92	\$ 2.92	-
	Per watt charge		\$ 0.01060	\$ 0.01060	-

**Comparison of Current vs Proposed  
 Permanent Rates**

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg	
<b>Rate OL - Outdoor Lighting</b>								
16	<b>Energy Charge All kWh</b>	17,130,466						
17	Transmission	\$ 0.02082	\$ 356,656	\$ 0.02082	\$ 356,656	\$ -	0.00%	
18	Stranded Cost Recovery Charge	0.00683	117,001	0.00683	117,001	-	0.00%	
19	System Benefits Charge	0.00743	127,279	0.00743	127,279	-	0.00%	
20	Regulatory Reconciliation Adjustment	(0.09800)	(1,678,786)	(0.09800)	(1,678,786)	-	0.00%	
21	Energy Service Charge	0.10669	1,827,649	0.10669	1,827,649	-	0.00%	
22	Total	\$ 0.04377	\$ 749,799	\$ 0.04377	\$ 749,799	\$ -	0.00%	
24	<b>Distribution Charge (per fixture)</b>							
25	4000 LUMEN HP SODIUM	42,792	\$ 15.59	\$ 667,211	\$ 15.94	\$ 682,076	\$ 14,865	2.23%
26	5800 LUMEN HP SODIUM	7,260	15.59	113,198	15.94	115,720	2,522	2.23%
27	9500 LUMEN HP SODIUM	10,692	20.73	221,682	21.20	226,621	4,939	2.23%
28	16000 LUMEN HP SODIUM	9,936	29.32	291,347	29.98	297,838	6,491	2.23%
29	30000 LUMEN HP SODIUM	15,480	30.05	465,193	30.72	475,557	10,364	2.23%
30	50000 LUMEN HP SODIUM	22,860	30.39	694,627	31.06	710,102	15,475	2.23%
31	130000 LUMEN HP SODIUM	3,684	48.76	179,632	49.85	183,634	4,002	2.23%
32	5000 LUMEN METAL HALIDE	2,700	16.26	43,907	16.62	44,885	978	2.23%
33	8000 LUMEN METAL HALIDE	1,608	22.26	35,794	22.76	36,592	798	2.23%
34	13000 LUMEN METAL HALIDE	-	30.54	-	31.22	-	-	2.23%
35	13500 LUMEN METAL HALIDE	1,464	31.19	45,668	31.89	46,685	1,017	2.23%
36	20000 LUMEN METAL HALIDE	3,696	31.19	115,292	31.89	117,861	2,569	2.23%
37	36000 LUMEN METAL HALIDE	5,136	31.48	161,678	32.18	165,280	3,602	2.23%
38	100000 LUMEN METAL HALIDE	3,216	47.19	151,762	48.24	155,143	3,381	2.23%
39	600 LUMEN INCANDESCENT	1,068	8.98	9,594	9.18	9,807	213	2.22%
40	1000 LUMEN INCANDESCENT	2,844	10.03	28,517	10.25	29,152	635	2.23%
41	2500 LUMEN INCANDESCENT	48	12.86	617	13.15	631	14	2.27%
42	6000 LUMEN INCANDESCENT	-	22.10	-	22.59	-	-	2.23%
43	3500 LUMEN MERCURY	59,064	13.75	812,135	14.06	830,229	18,094	2.23%
44	7000 LUMEN MERCURY	11,472	16.55	189,832	16.92	194,061	4,229	2.23%
45	11000 LUMEN MERCURY	684	20.46	13,993	20.91	14,305	312	2.23%
46	15000 LUMEN MERCURY	36	23.40	842	23.92	861	19	2.26%
47	20000 LUMEN MERCURY	5,088	25.26	128,545	25.83	131,409	2,864	2.23%
48	56000 LUMEN MERCURY	1,632	40.16	65,536	41.05	66,996	1,460	2.23%
49	20000 LUMEN FLUORESCENT	24	34.27	822	35.03	841	19	2.31%
50	12000 LUMEN HP SODIUM	96	21.45	2,059	21.92	2,105	46	2.23%
51	34200 LUMEN HP SODIUM	60	27.45	1,647	28.06	1,684	37	2.25%
52	Average Number of Fixtures/Month	17,720						
54	Distribution Impact Only	\$ 0.25925	\$ 4,441,130	\$ 0.26503	\$ 4,540,075	\$ 98,945	2.23%	
55	Total Charge	\$ 0.30302	\$ 5,190,929	\$ 0.30880	\$ 5,289,874	\$ 98,945	1.91%	
58	<b>Rate EOL - Efficient Outdoor Lighting</b>							
60	<b>Energy Charge All kWh</b>	11,370,898						
61	Transmission	\$ 0.02058	\$ 234,013	\$ 0.02058	\$ 234,013	\$ -	0.00%	
62	Stranded Cost Recovery Charge	0.01990	226,281	0.01990	226,281	-	0.00%	
63	System Benefits Charge	0.00743	84,486	0.00743	84,486	-	0.00%	
64	Regulatory Reconciliation Adjustment	(0.00051)	(5,799)	(0.00051)	(5,799)	-	0.00%	
65	Energy Service Charge	0.10669	1,213,161	0.10669	1,213,161	-	0.00%	
66	Total		\$ 1,752,142		\$ 1,752,142	\$ -	0.00%	
68	<b>Distribution Charge (per fixture)</b>							
69	4000 LUMEN HP SODIUM	45,216	\$ 6.36	\$ 287,523	\$ 6.45	\$ 291,716	\$ 4,193	1.46%
70	5800 LUMEN HP SODIUM	2,616	6.67	17,439	6.76	17,680	241	1.38%
71	9500 LUMEN HP SODIUM	4,272	7.09	30,291	7.18	30,679	388	1.28%
72	16000 LUMEN HP SODIUM	6,648	7.75	51,509	7.84	52,102	593	1.15%
73	30000 LUMEN HP SODIUM	20,784	8.98	186,602	9.06	188,389	1,787	0.96%
74	50000 LUMEN HP SODIUM	1,584	10.69	16,926	10.77	17,055	129	0.76%
75	130000 LUMEN HP SODIUM	684	17.38	11,886	17.44	11,930	44	0.37%
76	5000 LUMEN METAL HALIDE	9,984	6.69	66,769	6.78	67,686	917	1.37%
77	8000 LUMEN METAL HALIDE	1,152	7.03	8,095	7.12	8,200	105	1.30%
78	13000 LUMEN METAL HALIDE	-	7.76	-	7.85	-	-	1.15%
79	13500 LUMEN METAL HALIDE	1,056	7.93	8,372	8.02	8,466	94	1.12%
80	20000 LUMEN METAL HALIDE	840	8.80	7,390	8.88	7,463	73	0.99%
81	36000 LUMEN METAL HALIDE	528	10.52	5,552	10.60	5,596	44	0.79%
82	100000 LUMEN METAL HALIDE	1,236	17.20	21,255	17.26	21,335	80	0.38%
83	LEDs	388,872	3.24	1,260,956	3.34	1,300,141	39,185	3.11%
84	Average Number of Fixtures/Month	40,456						
85	388,872	1,289,048						
86	<b>Distribution Charge (per Watt)</b>							
87	LEDs	15,894,084	\$ 0.01060	\$ 168,546	\$ 0.01060	\$ 168,546	\$ -	0.00%
89	Distribution Impact Only	\$ 0.18900	\$ 2,149,111	\$ 0.19321	\$ 2,196,984	\$ 47,873	2.23%	
90	Total Charge	\$ 0.34309	\$ 3,901,253	\$ 0.34730	\$ 3,949,126	\$ 47,873	1.23%	

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**STREET LIGHTING DISTRIBUTION RATE DESIGN**

Distribution Breakout by Component

	Rate EOL		Rate OL	
Total Fixtures	A	40,456	E	17,720
	Aa - Non-LED	8,050	Ea - Non-LED	17,720
	Ab - LED	32,406	Eb - LED	-
Connected Demand KW	B	2,619	F	3,947
Annual kWh	C	11,370,898	G	17,130,466
Proposed Distribution Revenue	D	\$ 2,196,547	H	\$ 4,540,073
<b>Distribution by Category</b>				
<b>1) D - System Demand</b>				
Revenue \$	I	\$ 332,442	K = J* F* 12* 1000	\$501,029
Charge Per Watt	J = I / B / 1000 / 12	<b>0.01058</b>	L = K / F	<b>0.01058</b>
<b>2) D - System Customer</b>				
Revenue \$	M = D - Q - I	\$1,488,538	O = N* E* 12* 1000	\$651,990
Charge Per Fixture	N = M / A	<b>\$3.07</b>	P = O / E	<b>\$3.07</b>
<b>3) D - Operations &amp; Maintenance</b>				
Revenue \$	Q = R*Aa*12 + S*Ab*12	\$375,567	T = U*Ea*12 + V*Eb*12	\$589,433
Charge Per Fixture Non-LED	R	<b>\$2.77</b>	U = R	<b>\$2.77</b>
LED = 10% of Non-LED	S	<b>\$0.28</b>	V = S	<b>\$0.28</b>
<b>4) D - Equipment</b>				
Revenue \$			W = H- K- O- T	\$ 2,797,622
<b>Total D</b>		<b>\$2,196,547</b>		<b>\$4,540,073</b>

Note: A, B, C, D - See MBP/EAD-3, page 25.  
 E, F, G, H - See MBP/EAD-3, page 26.  
 I - See Application Attachment AN-1, page 3, lines 41 and 42.  
 R - See MBP/EAD-3, page 23, line 28.  
 S - See MBP/EAD-3, page 23, line 30.

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### Street Lighting Operations & Maintenance

#### Charge Per Fixture

#### Source

Test Year Street Lighting O & M	\$965,000	A = MBP/EAD-3, page 24, line 26
<b><u>Non-LED Fixtures</u></b>		
Rate EOL	8,050	B = MBP/EAD-3, page 22, line 17
Rate OL	17,720	C = MBP/EAD-3, page 22, line 17
Total Non-LED	<u>25,770</u>	D = B + C
<b><u>LED Fixtures</u></b>		
Rate EOL	32,406	E = MBP/EAD-3, page 2, line 18
Rate OL	-	F = MBP/EAD-3, page 22, line 18
Total LED	<u>32,406</u>	G = E + F
Average Cost Per Fixture	\$2.77	H = A / (D+G*10%) / 12
<b>Non-LED Monthly Charge Per Fixture</b>	<b>\$2.77</b>	I = H
<b>LED Monthly Charge Per Fixture</b>	<b>\$0.28</b>	J = H * 10%

**Street Lighting Operations & Maintenance Expense**

	<u>Distribution Expense *</u>		
	<u>Operation</u>	<u>Maintenance</u>	<u>Total</u>
Supervision and Engineering	444	2	446
Street Lighting	519	52	571
Other	<u>67</u>	<u>277</u>	<u>345</u>
Total Distribution Expense	1,031	331	1,362

	<u>Street Lighting Expense</u>		
	<u>Operation</u>	<u>Maintenance</u>	<u>Total</u>
Derived Supervision and Engineering	393	0	393
Street Lighting	<u>519</u>	<u>52</u>	<u>571</u>
Total Distribution Expense	912	53	965

Note \* See Rate Case Application Attachment AN-1, page 10

Street Lighting EOL- Efficient Outdoor Lighting

Unbundled Rate Calculation

		TY Fixtures			Connected Demand	kWh per Fixture			Annual kWh			Current Distribution			Proposed Distribution Unbundled (A)									
		All	Mid-	Total		All	Mid-	Total	All	Mid-	Total	Rate	Revenue	New Start	Distribution Bundled			Customer	Demand O&M		Monthly	Annual		
	Watts	Lumens	Night	night	KW	Night	night	Night	night	Total	Rate	Revenue	2.23%	Rate	Revenue	% Chg	3.07	3.07	0.01058	2.77	Rate	Revenue	% Chg	
13	<b>High Pressure Sodium</b>																							
14			3,753	15	3,768	219	252	117	945,756	1,755	947,511	\$6.36	\$ 287,523	\$0.14	\$6.50	\$ 293,929	2.2%	\$3.07	138,640	\$ 0.61	\$2.77	\$6.45	\$ 291,716	1.5%
15			218		218	19	376		81,968		81,968	6.67	17,439	\$0.15	\$6.81	17,828	2.2%	3.07	8,021	0.92	2.77	\$6.76	\$ 17,680	1.4%
16			356		356	45	550		195,800		195,800	7.09	30,291	\$0.16	\$7.25	30,966	2.2%	3.07	13,099	1.34	2.77	\$7.18	\$ 30,679	1.3%
17			554	-	554	105	821	379	454,834	-	454,834	7.75	51,509	\$0.17	\$7.92	52,657	2.2%	3.07	20,384	2.00	2.77	\$7.84	\$ 52,102	1.2%
18			1,731	1	1,732	528	1326	614	2,295,306	614	2,295,920	8.98	186,602	\$0.20	\$9.18	190,759	2.2%	3.07	63,727	3.23	2.77	\$9.06	\$ 188,389	1.0%
19			132		132	62	2026		267,432		267,432	10.69	16,926	\$0.24	\$10.92	17,303	2.2%	3.07	4,857	4.93	2.77	\$10.77	\$ 17,055	0.8%
20			57		57	63	4765		271,605		271,605	17.38	11,886	\$0.39	\$17.76	12,151	2.2%	3.07	2,097	11.60	2.77	\$17.44	\$ 11,930	0.4%
21	<b>Metal Halide</b>																							
22			832		832	74	386		321,152		321,152	6.69	\$ 66,769	\$0.15	6.84	\$ 68,257	2.2%	3.07	30,613	0.94	2.77	\$6.78	\$ 67,686	1.4%
23			96		96	12	527		50,592		50,592	7.03	8,095	\$0.16	7.18	8,275	2.2%	3.07	3,532	1.28	2.77	\$7.12	\$ 8,200	1.3%
24			-		-	-	825		-		-	7.76	-	\$0.17	7.93	-		3.07	-	2.01	2.77	\$7.85	\$ -	1.1%
25			88		88	18	896		78,848		78,848	7.93	8,372	\$0.18	8.10	8,559	2.2%	3.07	3,238	2.18	2.77	\$8.02	\$ 8,466	1.1%
26			70		70	20	1251		87,570		87,570	8.80	7,390	\$0.20	8.99	7,555	2.2%	3.07	2,576	3.05	2.77	\$8.88	\$ 7,463	1.0%
27			44		44	20	1956		86,064		86,064	10.52	5,552	\$0.23	10.75	5,676	2.2%	3.07	1,619	4.76	2.77	\$10.60	\$ 5,596	0.8%
28			103		103	111	4692		483,276		483,276	17.20	21,255	\$0.38	17.58	21,728	2.2%	3.07	3,790	11.42	2.77	\$17.26	\$ 21,335	0.4%
29	<b>Light Emitting Diodes (LED)</b>																							
30	Various		32,367	39	32,406									\$0.07	3.31	\$ 1,289,048	2.2%	3.07	1,192,346		0.28	\$3.34	\$ 1,300,141	3.1%
31	Demand		1,321,662	2,845	1,324,507	1,325	4345	2005	5,742,621	5,704	5,748,326	\$0.01058	168,111	\$0.00024	0.01081	171,857	2.2%						\$ 168,111	0.0%
32	<b>Total EOL</b>		<b>40,401</b>	<b>55</b>	<b>40,456</b>	<b>2,619</b>			<b>11,362,824</b>	<b>8,073</b>	<b>11,370,898</b>		<b>\$ 2,148,677</b>			<b>\$ 2,196,547</b>			1,488,538				<b>\$ 2,196,547</b>	2.2%
33	Note: A - Distribution Component Source:																							
34	Customer - See MBP/EAD-3, page 22, line 39																							
35	Demand - See MBP/EAD-3, page 22, line 34																							
36	O&M - See MBP/EAD-3, page 22, line 44 & 45																							

Street Lighting Rate OL - Outdoor Lighting

Unbundled Rate Calculation

Connected	TY Average Fixtures			Annual kWh per Fixture			Connected Demand	Annual kWh			Current Dist Only			New Start			Distribution Bundled			Proposed Distribution Unbundled (A)						
	All	Mid	Total	All	Mid	Night		Monthly Rate	Annual Revenue	2.23%	Rate	Revenue	% Chg	Cust	Demand	O&M	Equip	Monthly	Annual	Rate	Revenue	% Chg				
<b>High Pressure Sodium</b>																										
15	Watts	Lumens	Night	Night	Total	Night	Mid	KW	All Night	Midnight	Total	Rate	Revenue	2.23%	Rate	Revenue	% Chg	3.07	0.01058	\$2.77	ment	Rate	Revenue	% Chg		
16	58	4,000	3,566	-	3,566	252	117	207	898,632	-	898,632	\$ 15.59	\$ 667,211	\$0.35	\$15.94	\$ 682,076	2.2%	3.07	\$0.61	\$2.77	\$9.49	\$15.94	\$ 682,076	2.2%		
17	87	5,800	605	-	605	376	174	53	227,480	-	227,480	15.59	113,198	0.35	\$15.94	115,720	2.2%	3.07	0.92	2.77	9.18	\$15.94	115,720	2.2%		
18	127	9,500	889	2	891	550	255	113	488,950	510	489,460	20.73	221,682	0.46	\$21.20	226,621	2.2%	3.07	1.34	2.77	14.01	\$21.20	226,621	2.2%		
19	189	16,000	825	3	828	821	379	156	677,325	1,137	678,462	29.32	291,347	0.65	\$29.98	297,838	2.2%	3.07	2.00	2.77	22.14	\$29.98	297,838	2.2%		
20	305	30,000	1,289	1	1,290	1,326	614	393	1,709,214	614	1,709,828	30.05	465,193	0.67	\$30.72	475,557	2.2%	3.07	3.23	2.77	21.66	\$30.72	475,557	2.2%		
21	466	50,000	1,902	3	1,905	2,026	937	888	3,853,452	2,811	3,856,263	30.39	694,627	0.68	\$31.06	710,102	2.2%	3.07	4.93	2.77	20.30	\$31.06	710,102	2.2%		
22	1,097	130,000	306	1	307	4,765	2,199	337	1,458,090	2,199	1,460,289	48.76	179,632	1.09	\$49.85	183,634	2.2%	3.07	11.60	2.77	32.41	\$49.85	183,634	2.2%		
<b>Metal Halide</b>																										
26	89	5,000	225	-	225	386	178	20	86,850	-	86,850	16.26	\$ 43,907	0.36	\$16.62	\$ 44,885	2.2%	3.07	\$0.94	\$2.77	\$9.84	\$16.62	\$ 44,885	2.2%		
27	121	8,000	133	1	134	527	243	16	70,091	243	70,334	22.26	35,794	0.50	\$22.76	36,592	2.2%	3.07	1.28	2.77	15.64	\$22.76	36,592	2.2%		
28	190	13,000	-	-	-	825	382	-	-	-	-	30.54	-	0.68	\$31.22	-	2.2%	3.07	2.01	2.77	23.38	\$31.22	-	2.2%		
29	206	13,500	119	3	122	896	414	25	106,624	1,242	107,866	31.19	45,668	0.69	\$31.89	46,685	2.2%	3.07	2.18	2.77	23.87	\$31.89	46,685	2.2%		
30	288	20,000	305	3	308	1,251	578	89	381,555	1,734	383,289	31.19	115,292	0.69	\$31.89	117,861	2.2%	3.07	3.05	2.77	23.00	\$31.89	117,861	2.2%		
31	450	36,000	422	6	428	1,956	902	193	825,432	5,412	830,844	31.48	161,678	0.70	\$32.18	165,280	2.2%	3.07	4.76	2.77	21.58	\$32.18	165,280	2.2%		
32	1,080	100,000	266	2	268	4,692	2,165	289	1,248,072	4,330	1,252,402	47.19	151,762	1.05	\$48.24	155,143	2.2%	3.07	11.42	2.77	30.98	\$48.24	155,143	2.2%		
<b>Light-Emitting Diode (LED)</b>																										
36	28	2,500				122						10.29		\$0.23	\$10.52		2.2%	3.07	\$0.30	\$0.28	\$6.88	\$10.52				
37	36	4,100				156						10.27		\$0.23	\$10.50		2.2%	3.07	0.38	0.28	6.77	10.50				
38	51	4,800				222						10.44		\$0.23	\$10.67		2.2%	3.07	0.54	0.28	6.79	10.67				
39	92	8,500				400						11.47		\$0.26	\$11.73		2.2%	3.07	0.97	0.28	7.41	11.73				
40	142	13,300				617						12.67		\$0.28	\$12.96		2.2%	3.07	1.50	0.28	8.11	12.96				
41	220	24,500				956						15.89		\$0.35	\$16.25		2.2%	3.07	2.33	0.28	10.58	16.25				
<b>Incandescent</b>																										
45	105	600	89		89	456		9	40,584		40,584	8.98	\$ 9,594	0.20	\$9.18	\$ 9,807	2.2%	3.07	\$1.11	\$2.77	\$2.23	\$9.18	\$ 9,807	2.2%		
46	105	1,000	237		237	456		25	108,072		108,072	10.03	28,517	0.22	\$10.25	29,152	2.2%	3.07	1.11	2.77	3.30	\$10.25	29,152	2.2%		
47	205	2,500	4		4	890		1	3,560		3,560	12.86	617	0.29	\$13.15	631	2.2%	3.07	2.17	2.77	5.14	\$13.15	631	2.2%		
48	448	6,000	-		-	1,947		-	-		-	22.10	-	0.49	\$22.59	-	2.2%	3.07	4.74	2.77	12.02	\$22.59	-	2.2%		
<b>Mercury</b>																										
52	117	3,500	4,922		4,922	509		576	2,505,298		2,505,298	13.75	\$ 812,135	0.31	\$14.06	\$ 830,229	2.2%	3.07	\$1.24	\$2.77	\$6.98	\$14.06	\$ 830,229	2.2%		
53	205	7,000	956		956	890		196	850,840		850,840	16.55	189,832	0.37	\$16.92	194,061	2.2%	3.07	2.17	2.77	8.91	\$16.92	194,061	2.2%		
54	292	11,000	57		57	1,269		17	72,333		72,333	20.46	13,993	0.46	\$20.91	14,305	2.2%	3.07	3.09	2.77	11.99	\$20.91	14,305	2.2%		
55	453	15,000	3		3	1,968		1	5,904		5,904	23.40	842	0.52	\$23.92	861	2.2%	3.07	4.79	2.77	13.29	\$23.92	861	2.2%		
56	453	20,000	424		424	1,968		192	834,432		834,432	25.26	128,545	0.56	\$25.83	131,409	2.2%	3.07	4.79	2.77	15.20	\$25.83	131,409	2.2%		
57	1,082	56,000	136		136	4,701		147	639,336		639,336	40.16	65,536	0.89	\$41.05	66,996	2.2%	3.07	11.44	2.77	23.77	\$41.05	66,996	2.2%		
<b>Fluorescent</b>																										
59	330	20,000	2		2	1,433		1	2,866		2,866	34.27	\$ 822	0.76	\$35.03	\$ 841	2.2%	3.07	\$3.49	\$2.77	\$25.70	\$35.03	\$ 841	2.2%		
<b>HPS in Mercury Luminaires</b>																										
63	180	12,000	8		8	784		1	6,272		6,272	21.45	\$ 2,059	0.48	\$21.92	\$ 2,105	2.2%	3.07	\$1.90	\$2.77	\$14.18	\$21.92	\$ 2,105	2.2%		
64	413	34,200	5		5	1,794		2	8,970		8,970	27.45	\$1,647	0.61	\$28.06	\$1,684	2.2%	3.07	4.37	2.77	17.86	\$28.06	\$1,684	2.2%		
66	<b>Total OL</b>		17,695	25	17,720			3,947	17,110,234	20,232	17,130,466		\$ 4,441,130			\$ 4,540,073	2.2%						\$ 4,540,073	2.2%		

Note A - Distribution Components Source:  
Customer - See MBP/EAD-3, page 22, line 39  
Demand - See MBP/EAD-3, page 22, line 34  
O&M - See MBP/EAD-3, page 22, line 44 & 45  
Equipment - Non LED equals Distribution Bundled Rate minus Customer, Demand, and O&M Components  
Equipment LED - See MBP/EAD-3, page 27, line 59.



## Calculation of Current Installed Cost of LED Street Lighting Equipment

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		LED Equipment Calculation					
		28 Watts	36 Watts	51 Watts	92 Watts	142 Watts	220 Watts
<b>LABOR COST</b>							
<b>Hours</b>							
Work Tasks		1.41	1.41	1.41	1.41	1.41	1.41
Setup/Span		0.53	0.53	0.53	0.53	0.53	0.53
Travel		0.36	0.36	0.36	0.36	0.36	0.36
<b>Total</b>		<b>2.30</b>	<b>2.30</b>	<b>2.30</b>	<b>2.30</b>	<b>2.30</b>	<b>2.30</b>
Labor Cost (Unloaded)	\$	105.30	105.30	105.30	105.30	105.30	105.30
<b>Labor Loaders</b>							
Non-Productive	\$	16.03	16.03	16.03	16.03	16.03	16.03
Labor	\$	46.14	46.14	46.14	46.14	46.14	46.14
Direct Engineering	\$	13.44	13.44	13.44	13.44	13.44	13.44
<b>Total</b>	\$	<b>75.61</b>	<b>75.61</b>	<b>75.61</b>	<b>75.61</b>	<b>75.61</b>	<b>75.61</b>
<b>Total Labor Cost</b>	\$	<b>180.91</b>	<b>180.91</b>	<b>180.91</b>	<b>180.91</b>	<b>180.91</b>	<b>180.91</b>
<b>EQUIPMENT COST</b>							
Hours		1.15	1.15	1.15	1.15	1.15	1.15
Rate	\$	32.40	32.40	32.40	32.40	32.40	32.40
<b>Total Equipment Cost</b>	\$	<b>37.31</b>	<b>37.31</b>	<b>37.31</b>	<b>37.31</b>	<b>37.31</b>	<b>37.31</b>
<b>MATERIAL COST</b>							
(From Materials Tab)	\$	288.86	279.65	279.65	328.99	383.69	579.55
Material Loader		13.25%	13.25%	13.25%	13.25%	13.25%	13.25%
<b>Total Material Cost</b>	\$	<b>327.13</b>	<b>316.70</b>	<b>316.70</b>	<b>372.58</b>	<b>434.53</b>	<b>656.33</b>
<b>OTHER LOADERS</b>							
Eng. & Sup.	\$	77.19	77.19	77.19	77.19	77.19	77.19
Small Tool	\$	5.43	5.43	5.43	5.43	5.43	5.43
AS&E	\$	2.73	2.67	2.67	2.95	3.26	4.37
<b>Total Other Cost</b>	\$	<b>85.34</b>	<b>85.29</b>	<b>85.29</b>	<b>85.57</b>	<b>85.88</b>	<b>86.99</b>
<b>Total Installed Cost</b>	\$	<b>630.70</b>	<b>620.22</b>	<b>620.22</b>	<b>676.38</b>	<b>738.64</b>	<b>961.55</b>
Annual Carrying Charge		12.73%	12.73%	12.73%	12.73%	12.73%	12.73%
<b>Per Month Charge</b>	\$	<b>6.69</b>	<b>6.58</b>	<b>6.58</b>	<b>7.18</b>	<b>7.84</b>	<b>10.20</b>

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Typical Bills by Rate Schedule

Residential Service - Rate R

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 33.91	\$ 34.07	\$ 0.17	0.49%
200	54.00	\$ 54.34	0.33	0.62%
250	64.05	\$ 64.47	0.42	0.65%
300	74.10	\$ 74.60	0.50	0.68%
400	94.19	\$ 94.86	0.67	0.71%
500	114.29	\$ 115.13	0.83	0.73%
550	124.34	\$ 125.26	0.92	0.74%
650	144.43	\$ 145.52	1.09	0.75%
700	154.48	\$ 155.65	1.17	0.76%
750	164.53	\$ 165.78	1.25	0.76%
1,000	214.77	\$ 216.44	1.67	0.78%
1,500	315.25	\$ 317.76	2.51	0.79%
2,000	415.73	\$ 419.07	3.34	0.80%
2,500	516.21	\$ 520.39	4.18	0.81%
3,000	616.69	\$ 621.70	5.01	0.81%
5,000	1018.61	\$ 1,026.96	8.35	0.82%
7,500	1521.01	\$ 1,533.54	12.53	0.82%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 13.81	\$ 13.81	\$ -
Distribution Charge per kWh	0.05196	0.05363	0.00167
Transmission Charge per kWh	0.03046	0.03046	-
Stranded Cost Recovery Charge	0.00458	0.00458	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00016)	(0.00016)	-
Energy Service Charge	0.10669	0.10669	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

Residential Service - Uncontrolled Water Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 21.49	\$ 21.61	\$ 0.11	0.54%
200	\$ 38.12	38.35	0.23	0.60%
300	\$ 54.74	55.08	0.34	0.63%
400	\$ 71.36	71.82	0.46	0.64%
500	\$ 87.99	88.56	0.57	0.65%
600	\$ 104.61	105.30	0.69	0.66%
700	\$ 121.23	122.04	0.80	0.66%
800	\$ 137.85	138.77	0.92	0.67%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02404	0.02519	0.00115
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00458	0.00458	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.10669	0.10669	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

Residential Service - Controlled Water Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 21.49	\$ 21.61	\$ 0.11	0.54%
200	38.12	38.35	0.23	0.60%
300	54.74	55.09	0.34	0.63%
400	71.37	71.83	0.46	0.64%
500	87.99	88.57	0.57	0.65%
600	104.61	105.30	0.69	0.66%
700	121.24	122.04	0.80	0.66%
800	137.86	138.78	0.92	0.67%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02404	0.02519	\$ 0.00115
Transmission Charge per kWh	0.02358	0.02358	\$ -
Stranded Cost Recovery Charge	0.00459	0.00459	\$ -
System Benefits Charge	0.00743	0.00743	\$ -
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	\$ -
Energy Service Charge	0.10669	0.10669	\$ -

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

Residential Service - Optional Time of Day

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
TOTAL ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 52.62	\$ 52.79	\$ 0.17	0.32%
200	73.16	73.49	0.34	0.46%
250	83.43	83.85	0.42	0.50%
300	93.69	94.20	0.50	0.54%
400	114.23	114.90	0.67	0.59%
500	134.77	135.61	0.84	0.62%
750	186.12	187.38	1.26	0.68%
1,000	237.46	239.14	1.68	0.71%
1,500	340.15	342.67	2.52	0.74%
2,000	442.84	446.20	3.36	0.76%
2,500	545.53	549.73	4.20	0.77%
3,000	648.22	653.26	5.04	0.78%
5,000	1,058.99	1,067.39	8.40	0.79%
7,500	1,572.44	1,585.04	12.60	0.80%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 32.08	\$ 32.08	\$ -
<u>Energy Charge On Peak kWh</u>			
Distribution Charge per kWh	\$ 0.15095	\$ 0.15263	\$ 0.00168
Transmission Charge per kWh	0.03046	0.03046	-
Stranded Cost Recovery Charge	0.00751	0.00751	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00016)	(0.00016)	-
Energy Service Charge	0.10669	0.10669	-
Total per On Peak kWh	0.30288	0.30456	0.00168
<u>Energy Charge Off Peak kWh</u>			
Distribution Charge per kWh	\$ 0.00818	\$ 0.00986	\$ 0.00168
Transmission Charge per kWh	0.01989	0.01989	-
Stranded Cost Recovery Charge	0.00751	0.00751	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00016)	(0.00016)	-
Energy Service Charge	0.10669	0.10669	-
Total per Off Peak kWh	0.14954	0.15122	0.00168
% Sales On Peak	36%	36%	
% Sales Off Peak	64%	64%	

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

Residential Load Control Service - Radio Controlled

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 22.49	\$ 22.49	\$ -	0.00%
200	38.00	38.00	0.00	0.00%
300	53.50	53.50	0.00	0.00%
400	69.01	69.01	0.00	0.00%
500	84.51	84.51	0.00	0.00%
600	100.01	100.01	0.00	0.00%
700	115.52	115.52	0.00	0.00%
800	131.02	131.02	0.00	0.00%
900	146.53	146.53	0.00	0.00%
1,000	162.03	162.03	0.00	0.00%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 6.99	\$ 6.99	\$ -
Distribution Charge per kWh	0.01284	0.01284	-
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00459	0.00459	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.10669	0.10669	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

Residential Load Control Service - 8 Hour Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
TOTAL ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 21.49	\$ 21.56	\$ 0.07	0.31%
200	38.12	38.25	0.13	0.35%
300	54.74	54.94	0.20	0.36%
400	71.37	71.63	0.26	0.37%
500	87.99	88.32	0.33	0.38%
600	104.61	105.01	0.40	0.38%
700	121.24	121.70	0.46	0.38%
800	137.86	138.39	0.53	0.38%
900	154.49	155.08	0.59	0.38%
1,000	171.11	171.77	0.66	0.39%
1,200	204.36	205.15	0.79	0.39%
1,500	254.23	255.22	0.99	0.39%
1,800	304.10	305.29	1.19	0.39%
2,000	337.35	338.67	1.32	0.39%
2,500	420.47	422.12	1.65	0.39%
3,000	503.59	505.57	1.98	0.39%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02404	0.02470	\$ 0.00066
Transmission Charge per kWh	0.02358	0.02358	\$ -
Stranded Cost Recovery Charge	0.00459	0.00459	\$ -
System Benefits Charge	0.00743	0.00743	\$ -
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	\$ -
Energy Service Charge	0.10669	0.10669	\$ -

Note: Immaterial differences due to rounding.

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Residential Load Control Service - 8 Hour No Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
TOTAL ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 21.49	\$ 21.56	\$ 0.07	0.31%
200	38.12	38.25	0.13	0.35%
300	54.74	54.94	0.20	0.36%
400	71.37	71.63	0.26	0.37%
500	87.99	88.32	0.33	0.38%
600	104.61	105.01	0.40	0.38%
700	121.24	121.70	0.46	0.38%
800	137.86	138.39	0.53	0.38%
900	154.49	155.08	0.59	0.38%
1,000	171.11	171.77	0.66	0.39%
1,200	204.36	205.15	0.79	0.39%
1,500	254.23	255.22	0.99	0.39%
1,800	304.10	305.29	1.19	0.39%
2,000	337.35	338.67	1.32	0.39%
2,500	420.47	422.12	1.65	0.39%
3,000	503.59	505.57	1.98	0.39%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	-
Distribution Charge per kWh	0.02404	0.02470	0.00066
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00459	0.00459	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.10669	0.10669	-

Note: Immaterial differences due to rounding.



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Typical Bills by Rate Schedule

Residential Load Control Service - 10/11 Hour Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
TOTAL ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 21.49	\$ 21.56	\$ 0.07	0.31%
200	38.12	38.25	0.13	0.35%
300	54.74	54.94	0.20	0.36%
400	71.37	71.63	0.26	0.37%
500	87.99	88.32	0.33	0.38%
600	104.61	105.01	0.40	0.38%
700	121.24	121.70	0.46	0.38%
800	137.86	138.39	0.53	0.38%
900	154.49	155.08	0.59	0.38%
1,000	171.11	171.77	0.66	0.39%
1,200	204.36	205.15	0.79	0.39%
1,500	254.23	255.22	0.99	0.39%
1,800	304.10	305.29	1.19	0.39%
2,000	337.35	338.67	1.32	0.39%
2,500	420.47	422.12	1.65	0.39%
3,000	503.59	505.57	1.98	0.39%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	-
Distribution Charge per kWh	0.02404	0.02470	0.00066
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00459	0.00459	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.10669	0.10669	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

Residential Load Control Service - 10/11 Hour No Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
TOTAL ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 21.49	\$ 21.56	\$ 0.07	0.31%
200	38.12	38.25	0.13	0.35%
300	54.74	54.94	0.20	0.36%
400	71.37	71.63	0.26	0.37%
500	87.99	88.32	0.33	0.38%
600	104.61	105.01	0.40	0.38%
700	121.24	121.70	0.46	0.38%
800	137.86	138.39	0.53	0.38%
900	154.49	155.08	0.59	0.38%
1,000	171.11	171.77	0.66	0.39%
1,200	204.36	205.15	0.79	0.39%
1,500	254.23	255.22	0.99	0.39%
1,800	304.10	305.29	1.19	0.39%
2,000	337.35	338.67	1.32	0.39%
2,500	420.47	422.12	1.65	0.39%
3,000	503.59	505.57	1.98	0.39%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$4.87	\$4.87	-
Distribution Charge per kWh	\$0.02404	\$0.02470	0.00066
Transmission Charge per kWh	\$0.02358	\$0.02358	-
Stranded Cost Recovery Charge	\$0.00459	\$0.00459	-
System Benefits Charge	\$0.00743	\$0.00743	-
Regulatory Reconciliation Adjustment	-\$0.00009	-\$0.00009	-
Energy Service Charge	\$0.10669	\$0.10669	-

Note: Immaterial differences due to rounding.

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## Typical Bills by Rate Schedule

## General Service 1 Phase

(A)	(B)	(C)	(D)	(E) = (D) - (C)	(F) = (E) / (C)
USAGE		TOTAL MONTHLY BILL		BILL DIFFERENCE	
MONTHLY DEMAND (KW)	MONTHLY USE (KWH)	CURRENT	PROPOSED	AMOUNT	PERCENT
3	375	\$ 83.23	\$ 83.23	\$ -	0.00%
3	1,000	183.39	183.39	-	0.00%
6	750	164.84	165.39	0.55	0.33%
6	1,500	281.56	282.11	0.55	0.20%
12	1,500	403.72	407.57	3.85	0.95%
30	6,000	1,423.11	1,436.86	13.75	0.97%
40	10,000	2,207.07	2,226.32	19.25	0.87%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 16.21	\$ 16.21	\$ -
<u>Demand Charge &gt;5kWh</u>			
Distribution	\$ 11.69	\$ 12.24	\$ 0.55
Transmission	7.86	7.86	-
Stranded Cost Recovery Charge	0.86	0.86	-
Regulatory Reconciliation Adjustment	(0.05)	(0.05)	-
Total	\$ 20.36	\$ 20.91	\$ 0.55
<u>Energy Charge &lt; 500kWh</u>			
Distribution Charge per kWh	\$ 0.02820	\$ 0.02820	\$ -
Transmission Charge per kWh	0.02840	0.02840	-
Stranded Cost Recovery Charge	0.00800	0.00800	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.10669	0.10669	-
Total	\$ 0.17872	\$ 0.17872	\$ -
<u>Energy Charge 501 - 1500 kWh</u>			
Distribution Charge per kWh	\$ 0.02283	\$ 0.02283	\$ -
Transmission Charge per kWh	0.01068	0.01068	-
Stranded Cost Recovery Charge	0.00800	0.00800	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.10669	0.10669	-
Total	\$ 0.15563	\$ 0.15563	\$ -
<u>Energy Charge &gt;1500 kWh</u>			
Distribution Charge per kWh	\$ 0.01724	\$ 0.01724	\$ -
Transmission Charge per kWh	0.00573	0.00573	-
Stranded Cost Recovery Charge	0.00800	0.00800	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.10669	0.10669	-
Total	\$ 0.14509	\$ 0.14509	\$ -

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service 3 Phase

(A)	(B)	(C)	(D)	(E) = (D) - (C)	(F) = (E) / (C)
USAGE		TOTAL MONTHLY BILL		BILL DIFFERENCE	
MONTHLY DEMAND (KW)	MONTHLY USE (KWH)	CURRENT	PROPOSED	AMOUNT	PERCENT
3	375	\$ 99.35	\$ 99.41	\$ 0.06	0.06%
3	1,000	181.27	199.57	18.30	10.09%
6	750	171.83	181.57	9.74	5.67%
6	1,500	261.23	298.29	37.07	14.19%
12	1,500	383.39	423.75	40.37	10.53%
30	6,000	1,402.10	1,453.04	50.94	3.63%
40	10,000	2,185.46	2,242.50	57.04	2.61%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 32.39	\$ 32.39	\$ -
<u>Demand Charge &gt;5kWh</u>			
Distribution	\$ 11.69	\$ 12.24	0.55
Transmission	7.86	7.86	-
Stranded Cost Recovery Charge	0.86	0.86	-
Regulatory Reconciliation Adjustment	(0.05)	(0.05)	-
Total	\$ 20.36	\$ 20.91	0.55
<u>Energy Charge &lt; 500kWh</u>			
Distribution Charge per kWh	\$ 0.02805	\$ 0.02820	\$ 0.00015
Transmission Charge per kWh	0.02840	0.02840	-
Stranded Cost Recovery Charge	0.00800	0.00800	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.10669	0.10669	-
Total	\$ 0.17857	\$ 0.17872	\$ 0.00015
<u>Energy Charge 501 - 1500 kWh</u>			
Distribution Charge per kWh	\$ 0.02268	\$ 0.02283	\$ 0.00015
Transmission Charge per kWh	0.01056	0.01068	0.00012
Stranded Cost Recovery Charge	0.01225	0.00800	(0.00425)
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.06627	0.10669	0.04042
Total	\$ 0.11919	\$ 0.15563	\$ 0.03644
<u>Energy Charge &gt;1500 kWh</u>			
Distribution Charge per kWh	\$ 0.01709	\$ 0.01724	\$ 0.00015
Transmission Charge per kWh	0.00573	0.00573	-
Stranded Cost Recovery Charge	0.00800	0.00800	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.10669	0.10669	-
Total	\$ 0.14494	\$ 0.14509	\$ 0.00015

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service - Uncontrolled Water Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 22.08	\$ 22.19	\$ 0.12	0.52%
200	39.28	39.51	0.23	0.59%
300	56.49	56.83	0.35	0.61%
400	73.69	74.15	0.46	0.62%
500	90.90	91.47	0.58	0.63%
600	108.10	108.79	0.69	0.64%
700	125.31	126.11	0.81	0.64%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02404	0.02519	0.00115
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.01040	0.01040	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.10669	0.10669	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service - Controlled Water Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 21.59	\$ 21.70	\$ 0.11	0.53%
200	38.30	38.53	0.23	0.60%
300	55.02	55.36	0.34	0.63%
400	71.73	72.19	0.46	0.64%
500	88.45	89.02	0.57	0.65%
600	105.16	105.85	0.69	0.66%
700	121.88	122.68	0.80	0.66%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02404	0.02519	0.00115
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00550	0.00550	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.10669	0.10669	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service Load Control Service - Radio Controlled

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 22.59	\$ 22.65	\$ 0.07	0.29%
200	38.18	38.31	0.13	0.35%
300	53.78	53.97	0.20	0.37%
400	69.37	69.63	0.26	0.38%
500	84.97	85.30	0.33	0.39%
600	100.56	100.96	0.40	0.39%
700	116.16	116.62	0.46	0.40%
800	131.75	132.28	0.53	0.40%
900	147.35	147.94	0.59	0.40%
1,000	162.94	163.60	0.66	0.41%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 6.99	\$ 6.99	\$ -
Distribution Charge per kWh	0.01284	0.01350	0.00066
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00550	0.00550	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.10669	0.10669	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service Load Control Service - 8 Hour Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 21.59	\$ 21.65	\$ 0.07	0.31%
200	38.30	38.43	0.13	0.34%
300	55.02	55.21	0.20	0.36%
400	71.73	71.99	0.26	0.37%
500	88.45	88.78	0.33	0.37%
600	105.16	105.56	0.40	0.38%
700	121.88	122.34	0.46	0.38%
800	138.59	139.12	0.53	0.38%
900	155.31	155.90	0.59	0.38%
1,000	172.02	172.68	0.66	0.38%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02404	0.02470	0.00066
Transmission Charge per kWh	0.02358	0.02358	-
Energy Service Charge	0.00550	0.00550	-
Stranded Cost Recovery Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
System Benefits Charge	0.10669	0.10669	-

Note: Immaterial differences due to rounding.



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Typical Bills by Rate Schedule

General Service Load Control Service - 8 Hour No Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 21.59	\$ 21.65	\$ 0.07	0.31%
200	38.30	38.43	0.13	0.34%
300	55.02	55.21	0.20	0.36%
400	71.73	71.99	0.26	0.37%
500	88.45	88.78	0.33	0.37%
600	105.16	105.56	0.40	0.38%
700	121.88	122.34	0.46	0.38%
800	138.59	139.12	0.53	0.38%
900	155.31	155.90	0.59	0.38%
1,000	172.02	172.68	0.66	0.38%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02404	0.02470	0.00066
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00550	0.00550	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.10669	0.10669	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service Load Control Service - 10/11 Hour Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 21.59	\$ 21.65	\$ 0.07	0.31%
200	38.30	38.43	0.13	0.34%
300	55.02	55.21	0.20	0.36%
400	71.73	71.99	0.26	0.37%
500	88.45	88.78	0.33	0.37%
600	105.16	105.56	0.40	0.38%
700	121.88	122.34	0.46	0.38%
800	138.59	139.12	0.53	0.38%
900	155.31	155.90	0.59	0.38%
1,000	172.02	172.68	0.66	0.38%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02404	0.02470	0.00066
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00550	0.00550	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.10669	0.10669	-

Note: Immaterial differences due to rounding.

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General Service Load Control Service - 10/11 Hour No Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 21.59	\$ 21.65	\$ 0.07	0.31%
200	38.30	38.43	0.13	0.34%
300	55.02	55.21	0.20	0.36%
400	71.73	71.99	0.26	0.37%
500	88.45	88.78	0.33	0.37%
600	105.16	105.56	0.40	0.38%
700	121.88	122.34	0.46	0.38%
800	138.59	139.12	0.53	0.38%
900	155.31	155.90	0.59	0.38%
1,000	172.02	172.68	0.66	0.38%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02404	0.02470	0.00066
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00550	0.00550	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.10669	0.10669	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service - Optional Time of Day  
 Single Phase

(A)	(B)	(C)	(D)	(E)	(F)	(G) = (F) - (E)	(H) = (G) / (E)
MONTHLY DEMAND (KW)	MONTHLY USE (kWh)	ON-PEAK USE (kWh)	OFF-PEAK USE (kWh)	TOTAL MONTHLY BILL		BILL DIFFERENCE	
				CURRENT	PROPOSED	AMOUNT	PERCENT
12	1,500	600	900	\$ 501.12	\$ 507.72	\$ 6.60	1.32%
12	1,500	900	600	514.62	521.22	6.60	1.28%
12	3,000	1,200	1,800	714.63	721.23	6.60	0.92%
12	3,000	1,800	1,200	741.62	748.22	6.60	0.89%
30	4,500	1,800	2,700	1,296.59	1,313.09	16.50	1.27%
30	4,500	2,700	1,800	1,337.08	1,353.58	16.50	1.23%
30	9,000	3,600	5,400	1,937.10	1,953.60	16.50	0.85%
30	9,000	5,400	3,600	2,018.09	2,034.59	16.50	0.82%
50	7,500	3,000	4,500	2,133.00	2,160.50	27.50	1.29%
50	7,500	4,500	3,000	2,200.49	2,227.99	27.50	1.25%
50	15,000	6,000	9,000	3,200.52	3,228.02	27.50	0.86%
50	15,000	9,000	6,000	3,335.49	3,362.99	27.50	0.82%
75	11,250	4,500	6,750	3,178.51	3,219.76	41.25	1.30%
75	11,250	6,750	4,500	3,279.74	3,320.99	41.25	1.26%
75	22,500	9,000	13,500	4,779.79	4,821.04	41.25	0.86%
75	22,500	13,500	9,000	4,982.25	5,023.50	41.25	0.83%

	Current Rate	Proposed Rate	Difference
Customer Charge - Single Phase	\$ 41.98	\$ 41.98	\$ -
<u>Demand Charges</u>			
Distribution	\$ 15.12	\$ 15.67	\$ 0.55
Transmission	5.18	5.18	\$ -
Stranded Cost Recovery	0.27	0.27	\$ -
Regulatory Reconciliation Adjustment	(0.10)	(0.10)	\$ -
Total Demand Charge	20.47	21.02	0.55
<u>Energy Charge On Peak kWh</u>			
Distribution Charge per kWh	\$ 0.05350	\$ 0.05350	\$ -
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00171	0.00171	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.10669	0.10669	-
Total per On Peak kWh	0.16933	0.16933	-
<u>Energy Charge Off Peak kWh</u>			
Distribution Charge per kWh	\$ 0.00851	\$ 0.00851	\$ -
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00171	0.00171	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.10669	0.10669	-
Total per Off Peak kWh	0.12434	0.12434	-

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

General Service - Optional Time of Day  
Three Phase

(A)	(B)	(C)	(D)	(E)	(F)	(G) = (F) - (E)	(H) = (G) / (E)
MONTHLY DEMAND (KW)	MONTHLY USE (kWh)	ON-PEAK USE (kWh)	OFF-PEAK USE (kWh)	TOTAL MONTHLY BILL		BILL DIFFERENCE	
				CURRENT	PROPOSED	AMOUNT	PERCENT
12	1,500	600	900	\$ 470.54	\$ 531.16	\$ 60.62	12.88%
12	1,500	900	600	484.04	544.66	60.62	12.52%
12	3,000	1,200	1,800	635.45	750.08	114.63	18.04%
12	3,000	1,800	1,200	662.44	777.07	114.63	17.30%
30	4,500	1,800	2,700	1,168.81	1,347.36	178.55	15.28%
30	4,500	2,700	1,800	1,209.30	1,387.85	178.55	14.76%
30	9,000	3,600	5,400	1,663.52	2,004.11	340.59	20.47%
30	9,000	5,400	3,600	1,744.51	2,085.10	340.59	19.52%
50	7,500	3,000	4,500	1,908.02	2,205.60	297.58	15.60%
50	7,500	4,500	3,000	1,975.51	2,273.08	297.58	15.06%
50	15,000	6,000	9,000	2,732.54	3,300.19	567.65	20.77%
50	15,000	9,000	6,000	2,867.51	3,435.16	567.65	19.80%
75	11,250	4,500	6,750	2,832.03	3,278.39	446.36	15.76%
75	11,250	6,750	4,500	2,933.26	3,379.62	446.36	15.22%
75	22,500	9,000	13,500	4,068.81	4,920.29	851.48	20.93%
75	22,500	13,500	9,000	4,271.27	5,122.74	851.48	19.93%

	Current Rate	Proposed Rate	Difference
Customer Charge - Three Phase	\$ 60.00	\$ 60.00	\$ -
<u>Demand Charges</u>			
Distribution	\$ 15.12	\$ 15.67	\$ 0.55
Transmission	5.18	5.18	-
Stranded Cost Recovery	0.27	0.27	-
Regulatory Reconciliation Adjustment	(0.10)	(0.10)	-
Total Demand Charge	20.47	21.02	0.55
<u>Energy Charge On Peak kWh</u>			
Distribution Charge per kWh	\$ 0.05350	\$ 0.05350	\$ -
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00532	0.00532	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.10669	0.10669	-
Total per On Peak kWh	0.13693	0.17294	0.03601
<u>Energy Charge Off Peak kWh</u>			
Distribution Charge per kWh	\$ 0.00851	\$ 0.00851	\$ -
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00532	0.00532	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.10669	0.10669	-
Total per Off Peak kWh	0.09194	0.12795	0.03601

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service - Space Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 22.26	\$ 22.36	\$ 0.10	0.45%
200	41.28	41.48	0.20	0.48%
300	60.29	60.59	0.30	0.50%
400	79.31	79.71	0.40	0.50%
500	98.33	98.83	0.50	0.51%
600	117.35	117.95	0.60	0.51%
700	136.37	137.07	0.70	0.51%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 3.24	\$ 3.24	\$ -
Distribution Charge per kWh	0.04135	0.04235	0.00100
Transmission Charge per kWh	0.02840	0.02840	-
Energy Service Charge	0.00650	0.00650	-
Stranded Cost Recovery Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00019)	(0.00019)	-
System Benefits Charge	0.10669	0.10669	-

Note: Immaterial differences due to rounding.

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## Typical Bills by Rate Schedule

## Rate GV

(A)	(B)	(C)	(D)	(E) = (D) - (C)	(F) = (E) / (C)
USAGE		TOTAL MONTHLY BILL		BILL DIFFERENCE	
MONTHLY DEMAND (KW)	MONTHLY USE (KWH)	CURRENT	PROPOSED	AMOUNT	PERCENT
75	15,000	\$ 2,976.99	\$ 2,969.86	\$ (7.13)	-0.24%
75	30,000	4,375.14	4,368.01	(7.13)	-0.16%
150	30,000	5,729.77	5,715.51	(14.26)	-0.25%
150	60,000	8,526.07	8,511.81	(14.26)	-0.17%
300	60,000	11,222.33	11,193.81	(28.52)	-0.25%
300	120,000	16,814.93	16,786.41	(28.52)	-0.17%
500	100,000	18,545.75	18,498.21	(47.54)	-0.26%
500	200,000	27,866.75	27,819.21	(47.54)	-0.17%
1,000	200,000	36,854.29	36,759.21	(95.08)	-0.26%
1,000	400,000	55,350.29	55,255.21	(95.08)	-0.17%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 211.21	\$ 211.21	\$ -
<u>Demand 1-100 kW</u>			
Distribution	\$ 6.98	\$ 7.21	\$ 0.23
Transmission	10.52	10.52	-
Stranded Cost Recovery Charge	0.76	0.45	(0.31)
Regulatory Reconciliation Adjustment	(0.02)	(0.04)	(0.02)
Total	\$ 18.24	\$ 18.14	\$ (0.10)
<u>Demand &gt; 100 kW</u>			
Distribution	\$ 6.72	\$ 6.95	\$ 0.23
Transmission	10.52	10.52	-
Stranded Cost Recovery Charge	0.76	0.45	(0.31)
Regulatory Reconciliation Adjustment	(0.02)	(0.04)	(0.02)
Total	\$ 17.98	\$ 17.88	\$ (0.10)
<u>Energy Charge 1 - 200,000 kWh</u>			
Distribution Charge per kWh	\$ 0.00663	\$ 0.00663	\$ -
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00624	0.00624	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.07291	0.07291	-
Total	\$ 0.09321	\$ 0.09321	\$ -
<u>Energy Charge &gt;200,000 kWh</u>			
Distribution Charge per kWh	\$ 0.00590	\$ 0.00590	\$ -
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00624	0.00624	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.07291	0.07291	-
Total	\$ 0.09248	\$ 0.09248	\$ -

Note: Immaterial differences due to rounding.

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## Typical Bills by Rate Schedule

Rate LG							
(A)	(B)	(C)	(D)	(E)	(F)	(G) = (F) - (E)	(H) = (G) / (E)
MONTHLY DEMAND (KVA)	MONTHLY USE (KWH)	ON-PEAK USE (KWH)	OFF-PEAK USE (KWH)	TOTAL MONTHLY BILL		BILL DIFFERENCE	
				CURRENT	PROPOSED	AMOUNT	PERCENT
3,000	300,000	120,000	180,000	\$ 77,478.66	\$ 78,045.69	\$ 567.03	0.73%
3,000	600,000	240,000	360,000	104,019.06	104,586.09	567.03	0.55%
3,000	900,000	360,000	540,000	130,559.46	131,126.49	567.03	0.43%
3,000	1,200,000	480,000	720,000	157,099.86	157,666.89	567.03	0.36%
3,000	1,500,000	600,000	900,000	183,640.26	184,207.29	567.03	0.31%
3,000	1,800,000	720,000	1,080,000	210,180.66	210,747.69	567.03	0.27%
3,000	2,100,000	840,000	1,260,000	236,721.06	237,288.09	567.03	0.24%
				Current Rate	Proposed Rate	Difference	
Customer Charge				\$ 660.15	\$ 660.15	\$ -	
<u>Demand</u>							
Distribution				\$ 5.92	\$ 6.11	\$ 0.19	
Transmission				10.36	10.36	\$ -	
Stranded Cost Recovery Charge				0.50	0.50	\$ -	
Regulatory Reconciliation Adjustment				(0.02)	(0.02)	\$ -	
Total				\$ 16.76	\$ 16.95	\$ 0.19	
<u>Energy Charge - On-Peak</u>							
Distribution Charge per kWh				\$ 0.00559	\$ 0.00559	\$ -	
Transmission Charge per kWh				-	-	-	
Stranded Cost Recovery Charge				0.00393	0.00393	-	
System Benefits Charge				0.00743	0.00743	-	
Energy Service Charge				0.07291	0.07291	-	
Total				\$ 0.08986	\$ 0.08986	\$ -	
<u>Energy Charge - Off-Peak</u>							
Distribution Charge per kWh				\$ 0.00473	\$ 0.00473	\$ -	
Transmission Charge per kWh				-	-	-	
Stranded Cost Recovery Charge				0.00247	0.00247	-	
System Benefits Charge				0.00743	0.00743	-	
Energy Service Charge				0.07291	0.07291	-	
Total				\$ 0.08754	\$ 0.08754	\$ -	

Note: Immaterial differences due to rounding.



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4<sup>th</sup> Revised Page 41  
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 Rate R

RESIDENTIAL DELIVERY SERVICE RATE R

AVAILABILITY

Subject to the Terms and Conditions of the Tariff of which it is a part, this rate is for Delivery Service in individual urban, rural and farm residences and apartments. Service under this rate is available to those Customers who receive all of their electric service requirements hereunder, except that controlled electric service for thermal storage devices is available under Load Controlled Delivery Service Rate LCS and outdoor area lighting is available under Outdoor Lighting Delivery Service Rate OL.

This rate is not applicable to commercial purposes except as specified hereafter. Multiple use of Delivery Service within the residence through one meter shall be billed in accordance with the predominant use of the demand. When wired for connection to the same meter, Delivery Service under this rate shall include the residence and connecting and adjacent buildings used exclusively for noncommercial purposes.

The use of single-phase motors of 3 H.P. rating or less is permitted under this rate provided such use does not interfere with the quality of service rendered to other Customers. Upon written application to the Company, the use of larger motors may be authorized where existing distribution facilities permit.

CHARACTER OF SERVICE

Delivery Service supplied under this rate will be single-phase, 60 hertz, alternating current, normally three-wire at a nominal voltage of 120/240 volts.

RATE PER MONTH

Customer Charge ..... \$13.81 per month

Energy Charges:

Per Kilowatt-Hour

Distribution Charge..... 5.363 ¢

Regulatory Reconciliation Adjustment..... (0.032)¢

Transmission Charge ..... 3.046¢

Stranded Cost Recovery ..... 0.458¢

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 Douglas Foley

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4<sup>th</sup> Revised Page 42  
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Rate R

WATER HEATING - UNCONTROLLED

Uncontrolled water heating service is available under this rate at those locations which were receiving service hereunder on January 1, 2021 and which have continuously received such service since that date, and when such service is supplied to approved water heaters equipped with either (a) two thermostatically-operated heating elements, each with a rating of no more than 5,500 watts, so connected or interlocked that they cannot operate simultaneously, or (b) a single thermostatically-operated heating element with a rating of no more than 5,500 watts. The heating elements or element shall be connected by means of an approved circuit to a separate water heating meter. Delivery Service measured by this meter will be billed monthly as follows:

Meter Charge .....\$4.87 per month

Energy Charges:

Distribution Charge.....2.519 ¢ per kilowatt-hour  
Regulatory Reconciliation Adjustment..... (0.018)¢ per kilowatt-hour  
Transmission Charge .....2.358¢ per kilowatt-hour  
Stranded Cost Recovery .....0458¢ per kilowatt-hour

WATER HEATING - CONTROLLED

Controlled off-peak water heating is available under this rate for a limited period of time at those locations which were receiving controlled off-peak water heating service hereunder on Customer Choice Date and which have continuously received such service hereunder since that date. Service under this rate at such locations shall continue to be available only for the remaining life of the presently-installed water heating equipment. No replacement water heaters shall be permitted to be installed for service under this rate at locations which otherwise would qualify for this service.

For those locations which qualify under the preceding paragraph, controlled off-peak water heating service is available under this rate when such service is supplied to approved storage type electric water heaters having an off-peak heating element with a rating of no more than 1,000 watts, or 20 watts per gallon of tank capacity, whichever is greater. The off-peak element shall be connected by means of an approved circuit to a separate water heating meter. Electricity used will be billed monthly as follows:

Meter Charge .....\$4.87 per month

Energy Charges:

Distribution Charge.....2.404¢ per kilowatt-hour  
Regulatory Reconciliation Adjustment..... (0.018)¢ per kilowatt-hour  
Transmission Charge .....2.358¢ per kilowatt-hour  
Stranded Cost Recovery .....0.163 ¢ per kilowatt-hour

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Superseding 2<sup>nd</sup> Revised Page 45  
4<sup>th</sup> Revised Page 45  
Rate R-OTOD

SERVICE AGREEMENT

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

CHARACTER OF SERVICE

Service supplied under this rate will be single-phase, 60 hertz, alternating current, normally three-wire at a nominal voltage of 120/240 volts.

RATE PER MONTH

Customer Charge .....\$32.08 per month

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

On-Peak Hours (7:00 a.m. to 8:00 p.m.  
weekdays excluding Holidays) .....15.263¢

Off-Peak Hours (all other hours) .....0.986¢

Regulatory Reconciliation Adjustment..... (0.032)¢

Transmission Charges:

On-Peak Hours (7:00 a.m. to 8:00 p.m.  
weekdays excluding Holidays) .....3.046¢

Off-Peak Hours (all other hours) .....1.989¢

Stranded Cost Recovery .....0.360¢

The On-Peak Hours shall be the hours after 7:00 a.m. and before 8:00 p.m. weekdays excluding holidays as defined in this Tariff. The Off-Peak Hours shall be all hours not included in the On-Peak Hours.

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4<sup>th</sup> Revised Page 47  
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Rate R-OTOD

Meter Charge .....\$4.87 per month

Energy Charges:

Distribution Charge.....2.519¢ per kilowatt-hour

Regulatory Reconciliation Adj .....(0.018)¢ per kilowatt-hour

Transmission Charge .....2.358¢ per kilowatt-hour

Stranded Cost Recovery ..... 0.163¢ per kilowatt-hour

SERVICE CHARGE

When the Company establishes or re-establishes a Delivery Service account for a Customer at a meter location, the Company will be entitled to assess a service charge in addition to all other charges under this rate. The service charge will be \$10.00 if the Company does not have to send an employee to the meter location to establish or re-establish Delivery Service.

When it is necessary for the Company to send an employee to the meter location to establish or re-establish Delivery Service, the service charge will be \$35.00. When it is necessary for the Company to send an employee to the meter location outside of normal working hours to establish or re-establish Delivery Service, the service charge will be \$80.00. The Company will be entitled to assess an \$26.00 service charge when it is necessary to send an employee to the Customer location to collect a delinquent bill. This charge shall apply regardless of any action taken by the Company including accepting a payment, making a deferred payment arrangement or leaving a collection notice at the Customer’s premises.

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4<sup>th</sup> Revised Page 50  
 Superseding 3<sup>rd</sup> Revised Page 50  
 Rate G

GENERAL DELIVERY SERVICE RATE G

AVAILABILITY

Subject to the Terms and Conditions of the Tariff of which it is a part, this rate is for Delivery Service for any use. It is available to (1) those Customers at existing delivery points who were receiving service hereunder on General Service Rate G on January 1, 1983, and who have continuously received service under that rate and this successor since that date, and (2) all other Customers whose loads as defined for billing purposes do not exceed 100 kilowatts. Service rendered hereunder shall exclude all backup and standby service provided under Backup Delivery Service Rate B.

Customers taking service under this rate shall provide any necessary transforming and regulating devices on the Customer's side of the meter. Controlled electric service for thermal storage devices is available under Load Controlled Service Rate LCS and outdoor area lighting is available under Outdoor Lighting Delivery Service Rate OL.

CHARACTER OF SERVICE

Delivery Service supplied under this rate will be 60 hertz, alternating current, either (a) single-phase, normally three-wire at a nominal voltage of 120/240 volts, or (b) three-phase, normally at a nominal voltage of 120/208 or 277/480 volts. Three-phase, three-wire service at a nominal voltage of 240, 480 or 600 volts is available only to those Customers at existing locations who were receiving such service on February 1, 1986, and who have continuously received such service since that date. In underground secondary network areas, Delivery Service will be supplied only at a nominal voltage of 120/208 volts.

RATE PER MONTH

	<u>Single-Phase Service</u>	<u>Three-Phase Service</u>
Customer Charge .....	\$16.21 per month	\$32.39 per month
Customer's Load Charges:	<u>Per Kilowatt of Customer Load in Excess of 5.0 Kilowatts</u>	
Distribution Charge.....	\$12.24	
Regulatory Reconciliation Adjustment.....	\$(0.10)	
Transmission Charge .....	\$7.86	
Stranded Cost Recovery.....	\$0.53	

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4<sup>th</sup> Revised Page 51  
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Rate G

Energy Charges:

	<u>Per Kilowatt-Hour</u>
Distribution Charges:	
First 500 kilowatt-hours .....	2.820¢
Next 1,000 kilowatt-hours .....	2.283¢
All additional kilowatt-hours .....	1.724¢
Transmission Charge	
First 500 kilowatt-hours .....	2.840¢
Next 1,000 kilowatt-hours .....	1.068¢
All additional kilowatt-hours .....	0.573¢
Stranded Cost Recovery .....	0.530¢

WATER HEATING - UNCONTROLLED

Uncontrolled water heating service is available under this rate at those locations which were receiving service hereunder on January 1, 2021 and which have continuously received such service since that date, and when such service is supplied to approved water heaters equipped with either (a) two thermostatically-operated heating elements, each with a rating of no more than 5,500 watts, so connected or interlocked that they cannot operate simultaneously, or (b) a single thermostatically-operated heating element with a rating of no more than 5,500 watts. The heating elements or element shall be connected by means of an approved circuit to a separate water heating meter. Service measured by this meter will be billed monthly as follows:

Meter Charge .....\$4.87 per month

Energy Charges:

Distribution Charge.....	2.519¢ per kilowatt-hour
Regulatory Reconciliation Adj .....	(0.018)¢ per kilowatt-hour
Transmission Charge .....	2.358¢ per kilowatt-hour
Stranded Cost Recovery .....	0.53¢ per kilowatt-hour

WATER HEATING - CONTROLLED

Controlled off-peak water heating is available under this rate for a limited period of time at those locations which were receiving controlled off-peak water heating service hereunder on Customer Choice Date and which have continuously received such service hereunder since that

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4<sup>th</sup> Revised Page 52  
 Superseding 3<sup>rd</sup> Page 52  
 Rate G

date. Service under this rate at such locations shall continue to be available only for the remaining life of the presently-installed water heating equipment. No replacement water heaters shall be permitted to be installed for service under this rate at locations which otherwise would qualify for this service.

For those locations which qualify under the preceding paragraph, controlled off-peak water heating service is available under this rate when such service is supplied to approved storage type electric water heaters having an off-peak heating element with a rating of no more than 1,000 watts, or 20 watts per gallon of tank capacity, whichever is greater. The off-peak element shall be connected by means of an approved circuit to a separate water heating meter. Electricity used will be billed monthly as follows:

Meter Charge .....	\$4.87 per month
Energy Charges:	
Distribution Charge.....	2.519¢ per kilowatt-hour
Regulatory Reconciliation Adj.....	(0.018)¢ per kilowatt-hour
Transmission Charge.....	2.358¢ per kilowatt-hour
Stranded Cost Recovery.....	0.171¢ per kilowatt-hour

SPACE HEATING SERVICE

Space heating service is available under this rate at those locations which were receiving space heating service under the Transitional Space Heating Service Rate TSH prior to Customer Choice Date and which have continuously received such service since that date. Customers at such locations who have elected this rate shall have the electricity for such service billed separately on a monthly basis as follows:

Meter Charge .....	\$3.24 per month
Energy Charges:	
Distribution Charge.....	4.235¢ per kilowatt-hour
Regulatory Reconciliation Adj.....	(0.019)¢ per kilowatt-hour
Transmission Charge.....	2.840¢ per kilowatt-hour
Stranded Cost Recovery.....	0.650¢ per kilowatt-hour

Space heating equipment served under this rate, including heat pumps and associated air circulating equipment, shall be wired by means of approved circuits to permit measurement of such equipment's additional demand and energy use.

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4<sup>th</sup> Revised Page 55  
 Superseding 3<sup>rd</sup> Page 55  
 Rate G-OTOD

**SERVICE AGREEMENT**

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

**CHARACTER OF SERVICE**

Service supplied under this rate will be 60 hertz, alternating current, either (a) single-phase, normally three-wire at a nominal voltage of 120/240 volts or (b) three-phase, normally at a nominal voltage of 120/208 or 277/480 volts. Three-phase, three-wire service at a nominal voltage of 240, 480 or 600 volts is available only to those Customers at existing locations who were receiving such service on February 1, 1986, and who have continuously received such service since that date. In underground secondary network areas, service will be supplied only at a nominal voltage of 120/208 volts.

RATE PER MONTH	<u>Single-Phase Service</u>	<u>Three-Phase Service</u>
Customer Charge .....	\$41.98 per month	\$60.00 per month
Customer's Load Charges:	<u>Per Kilowatt of Customer Load</u>	
Distribution Charge.....		\$15.67
Regulatory Reconciliation Adjustment.....		\$ (0.10)
Transmission Charge .....		\$ 5.18
Stranded Cost Recovery.....		\$ 0.27

Energy Charges:

	<u>Per Kilowatt-Hour</u>
Distribution Charges:	
On-Peak Hours (7:00 a.m. to 8:00 p.m. weekdays excluding Holidays) .....	5.350¢
Off-Peak Hours (all other hours) .....	0.851¢
Stranded Cost Recovery.....	0.171¢

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4<sup>th</sup> Revised Page 59  
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Rate LCS

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

Radio-Controlled Option ..... 1.350¢

8-Hour, 10-Hour or 11-Hour Option ..... 2.470¢

Regulatory Reconciliation Adjustment:

Radio-Controlled Option or 8-Hour Option..... (0.018)¢

10-Hour or 11-Hour Option ..... (0.018)¢

Transmission Charge ..... 2.358¢

Stranded Cost Recovery (When service is taken  
in conjunction with Rate R) ..... 0.083 ¢

Stranded Cost Recovery (When service is taken  
in conjunction with Rate G) ..... 0.100 ¢

METERS

Under this rate, the Company will install one meter with appropriate load control devices.

ELECTRIC THERMAL STORAGE EQUIPMENT APPROVED FOR LOAD CONTROL

Load Controlled Service is available under this rate to electric thermal storage installations meeting the Company's specifications as to type, size and electrical characteristics in accordance with the following guidelines.

I. Electric Thermal Storage Space Heating Equipment

Adequate control and switching equipment must be installed to provide capability for staggering the commencement of the charging period with respect to other electric thermal storage devices and for permitting partial charging on warmer days, and for controlling service to the thermal storage devices.

The storage capability of the electric thermal storage device must be adequate to heat the Customer's whole premises under design conditions and must be properly sized to ensure a constant rate of charging during the period which service under this rate is available as determined by the Company in accordance with its customary procedures. A smaller-sized electric thermal storage device may be approved by the Company for use in the Customer's premises under the Radio-Controlled Option.

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4<sup>th</sup> Revised Page 62  
Superseding 3<sup>rd</sup> Page 62  
Rate GV

Per Kilowatt of Maximum Demand

Demand Charges:

Distribution Charges:

First 100 kilowatts.....	\$7.21
Excess Over 100 kilowatts.....	\$6.95
Regulatory Reconciliation Adjustment.....	\$(0.04)
Transmission Charge .....	\$10.52
Stranded Cost Recovery.....	\$0.45

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

First 200,000 kilowatt-hours.....	0.663¢
All additional kilowatt-hours .....	0.590¢
Stranded Cost Recovery.....	0.202¢

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4<sup>th</sup> Revised Page 66  
 Superseding 3<sup>rd</sup> Revised Page 66  
 Rate LG

LARGE GENERAL DELIVERY SERVICE RATE LG

AVAILABILITY

Subject to the Terms and Conditions of the Tariff of which it is a part, this rate is for high voltage Delivery Service. It is available upon the signing of a Service Agreement for such service at specified delivery points to Customers whose loads are larger than those that would be permitted under Rate GV of this Tariff. Service rendered hereunder shall exclude all backup and standby service provided under Backup Delivery Service Rate B. Outdoor area lighting is available under Outdoor Lighting Delivery Service Rate OL. Substation foundations and structures, and suitable controlling, regulating, and transforming apparatus, all of which shall be acceptable to and approved by the Company, together with such protective equipment as the Company shall deem necessary for the protection and safe operation of its system, shall be provided at the expense of the Customer.

CHARACTER OF SERVICE

Delivery Service supplied under this rate will be three-phase, 60 hertz, alternating current, at a nominal delivery voltage determined by the Company, generally 34,500 volts or higher. A reasonably balanced load between phases shall be maintained by the Customer.

RATE PER MONTH

Customer Charge ..... \$660.15 per month

Demand Charges:

Per Kilovolt-Ampere of Maximum Demand

Distribution Charge..... \$6.11  
 Regulatory Reconciliation Adjustment..... \$(0.04)  
 Transmission Charge ..... \$10.36  
 Stranded Cost Recovery..... \$0.22

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

On-Peak Hours.....0.559¢  
 Off-Peak Hours .....0.473¢

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4<sup>th</sup> Revised Page 72  
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Rate B

Demand Charges:

For Customers who take service at 115,000 volts or higher, the following charges apply:

- Transmission Charge..... \$2.37 per KW or KVA, whichever is applicable, of Backup Contract Demand
- Stranded Cost Recovery  
(For Customers whose Standard Rate is Rate GV)... \$0.22 per KW or KVA, whichever is applicable, of Backup Contract Demand
- Stranded Cost Recovery  
(For Customers whose Standard Rate is Rate LG)...\$0.11 per KW or KVA, whichever is applicable, of Backup Contract Demand

For all other Customers, in addition to the charges applicable to the Customers who take service at 115,000 volts or higher, the following additional charge applies:

- Distribution Charge..... \$5.57 per KW or KVA, whichever is applicable, of Backup Contract Demand
- Regulatory Reconciliation Adj. ....\$0.03 per KW or KVA, whichever is applicable, of Backup Contract Demand

Energy Charges:

The energy charges contained in the Standard Rate for Delivery Service, except that the distribution charge is not applicable to Customers who take service at 115,000 volts or higher.

METERING

Metering shall be provided by the Company in accordance with the provisions of the Customer's Standard Rate, except as modifications to such metering may be required by the provisions of this rate. The Company may install any metering equipment necessary to accomplish the purposes of this rate, including the measurement of output from the Customer's generating facilities. Customer shall provide suitable meter locations for the Company's metering facilities. All costs of metering equipment in excess of costs normally incurred by the Company to provide service under Customer's Standard Rate shall be borne by the Customer.

REFUSAL TO PROVIDE ACCESS

In the event that the Customer refuses access to its premises to allow the Company to install metering equipment to measure the output of the Customer's generating facilities, the Company may estimate the amount of demand and energy delivered under this rate. The Customer shall be responsible for payment of all bill amounts calculated hereunder based on such estimates of demand and energy delivered.

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3<sup>rd</sup> Revised Page 75  
Superseding 2<sup>nd</sup> Revised Page 75  
Rate OL

All-Night Service Option:

The monthly kilowatt-hours and distribution rates for each luminaire served under the all-night service option are shown below.

For New and Existing Installations:

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Distribution</u>
<u>Output</u>	<u>Rating</u>													<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
<u>High Pressure Sodium:</u>														
4,000	50	24	20	20	17	15	13	14	16	18	22	23	25	\$15.94
5,800	70	36	30	30	25	22	20	21	24	27	32	35	37	15.94
9,500	100	53	44	43	36	33	29	31	36	40	47	51	55	21.20
16,000	150	80	66	65	54	49	43	47	53	60	70	75	82	29.98
30,000	250	128	107	104	87	78	70	76	86	96	114	122	132	30.72
50,000	400	196	163	159	133	120	107	116	132	147	173	186	202	31.06
130,000	1,000	462	384	375	314	282	252	272	310	347	408	438	475	49.85
<u>Metal Halide:</u>														
5,000	70	37	31	30	25	23	20	22	25	28	33	35	38	\$16.62
8,000	100	51	42	41	35	31	28	30	34	38	45	48	53	22.76
13,000	150	80	66	65	54	49	44	47	54	60	71	76	82	31.22
13,500	175	87	72	71	59	53	47	51	58	65	77	82	89	31.89
20,000	250	121	101	98	82	74	66	71	81	91	107	115	125	31.89
36,000	400	190	158	154	129	116	104	112	127	142	167	180	195	32.18
100,000	1,000	455	378	369	309	278	248	268	306	341	402	431	468	48.24
<u>Light Emitting Diode (LED):</u>														
2,500	28	12	10	10	8	7	6	7	8	9	10	11	12	\$10.52
4,100	36	15	13	12	10	9	8	9	10	11	13	14	16	10.50
4,800	51	21	18	17	15	13	12	13	14	16	19	20	22	10.67
8,500	92	39	32	31	26	24	21	23	26	29	34	37	40	11.73
13,300	142	60	50	49	41	36	33	35	40	45	53	57	61	12.96
24,500	220	93	77	75	63	57	51	55	62	70	82	88	95	16.25

For Existing Installations Only:

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Distribution</u>
<u>Output</u>	<u>Rating</u>													<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
<u>Incandescent:</u>														
600	105	44	37	36	30	27	24	26	30	33	39	42	45	\$9.18
1,000	105	44	37	36	30	27	24	26	30	33	39	42	45	10.25
2,500	205	86	72	70	59	53	47	51	58	65	76	82	89	13.15
6,000	448	189	157	153	128	115	103	111	127	142	167	179	194	22.59

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NHPUC NO. -10 - ELECTRICITY DELIVERY  
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
DBA EVERSOURCE ENERGY

3<sup>rd</sup> Revised Page 76  
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Rate OL

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Distribution</u>
<u>Output</u>	<u>Rating</u>													<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
Mercury:														
3,500	100	49	41	40	34	30	27	29	33	37	44	47	51	\$14.06
7,000	175	86	72	70	59	53	47	51	58	65	76	82	89	16.92
11,000	250	123	102	100	84	75	67	72	83	92	109	117	126	20.91
15,000	400	191	159	155	130	116	104	112	128	143	168	181	196	23.92
20,000	400	191	159	155	130	116	104	112	128	143	168	181	196	25.83
56,000	1,000	455	379	370	309	278	249	268	306	342	402	432	468	41.05
Fluorescent:														
20,000	330	139	115	113	94	85	76	82	93	104	123	132	143	\$35.03
High Pressure Sodium in Existing Mercury Luminaires:														
12,000	150	76	63	62	52	46	42	45	51	57	67	72	78	21.92
34,200	360	174	145	141	118	106	95	102	117	130	154	165	179	28.06

The 15,000 Lumen Mercury fixture is fitted with a 20,000 lumen lamp. The 600 Lumen Incandescent fixture is fitted with a 1,000 lumen lamp.

Midnight Service Option:

The monthly kilowatt-hours and distribution rates for each luminaire served under the midnight service option are shown below.

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Distribution</u>
<u>Output</u>	<u>Rating</u>													<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
High Pressure Sodium:														
4,000	50	12	10	9	7	6	5	6	7	8	10	12	13	\$15.94
5,800	70	18	15	13	10	9	8	8	10	12	15	19	20	15.94
9,500	100	27	22	19	15	13	12	12	15	18	22	27	29	21.20
16,000	150	40	33	28	23	20	17	18	22	26	32	40	43	29.98
30,000	250	65	54	46	37	32	28	30	36	42	52	66	69	30.72
50,000	400	100	82	70	56	50	43	45	54	64	79	100	106	31.06
130,000	1,000	234	192	165	132	116	100	106	127	151	186	235	248	49.85
Metal Halide:														
5,000	70	19	16	13	11	9	8	9	10	12	15	19	20	\$16.62
8,000	100	26	21	18	15	13	11	12	14	17	21	26	27	22.76
13,000	150	41	33	29	23	20	17	18	22	26	32	41	43	31.54
13,500	175	44	36	31	25	22	19	20	24	28	35	44	47	31.89
20,000	250	61	50	43	35	31	26	28	33	40	49	62	65	31.89
36,000	400	96	79	67	54	48	41	44	52	62	76	96	102	32.18
100,000	1,000	230	189	162	130	114	98	105	125	149	184	231	244	48.24

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NHPUC NO. -10 - ELECTRICITY DELIVERY  
 PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
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3<sup>rd</sup> Revised Page 77  
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Lamp Output Lumens	Nominal Power Rating Watts	Monthly KWH per Luminaire												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Light Emitting Diode (LED):														
2,500	28	6	5	4	3	3	3	3	3	4	5	6	6	\$10.52
4,100	36	8	6	5	4	4	3	3	4	5	6	8	8	10.50
4,800	51	11	9	8	6	5	5	5	6	7	9	11	12	10.67
8,500	92	20	16	14	11	10	8	9	11	13	16	20	21	11.73
13,300	142	30	25	21	17	15	13	14	16	20	24	30	32	12.96
24,500	220	47	39	33	26	23	20	21	26	30	37	47	50	16.25

**MODIFICATION OF SERVICE OPTION**

Municipal and state roadway lighting Customers may request a modification of service from the all-night service option to the midnight service option during the calendar months of January and February of each year, otherwise known as the open enrollment period. Requests received from municipal and state roadway lighting Customers after the open enrollment period shall be implemented during the subsequent open enrollment period, unless the Company determines that it is feasible and practicable to implement the request prior to the subsequent enrollment period. All other Customers may request a modification of service from the all-night service option to the midnight service option at any time. Customers requesting a modification of service from the all-night service option to the midnight service option are responsible to pay to the Company the installed cost of any additional equipment required to provide service under the midnight service option. The installed cost includes the cost of the additional equipment, labor, vehicles and overheads. The Customer is responsible to pay such costs prior to the installation of the equipment. If such a request is made concurrent with the Company’s existing schedule for lamp replacement and maintenance, the Customer is responsible to pay to the Company the cost of any additional equipment required, including overheads. The Customer is responsible to pay such costs prior to the installation of the equipment.

Customers requesting a modification of service from the midnight service option to the all-night service option are responsible to pay to the Company the installation cost of the equipment required to provide service under the all-night service option. The installation cost includes the cost of labor, vehicles and overheads. The Customer is responsible to pay such costs prior to the installation of the equipment. If such a request is made concurrent with the Company’s existing schedule for lamp replacement and maintenance, no additional costs are required to modify service from the midnight service option to the all-night service option.

The Company will utilize fixed price estimates per luminaire for the installed cost, the additional equipment cost and the equipment installation cost and will update the fixed price estimates per luminaire each year based upon current costs. In the event traffic control is required during a modification of service option or for equipment repair, the Customer is responsible to coordinate and to provide traffic control and to pay all costs associated with traffic control. In the event the Customer is a residential or General Delivery Service Rate G Customer, the Company may coordinate and provide traffic control on the Customer’s behalf and the Customer shall reimburse the Company for all costs associated with the traffic control provided by the Company. The scheduling of work associated with the modification of a service option will be made at the Company’s discretion with consideration given to minimizing travel and set-up time.

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 DBA EVERSOURCE ENERGY

3<sup>rd</sup> Revised Page 82  
 Superseding 2<sup>nd</sup> Revised Page 82  
 Rate EOL

which are billed in conjunction with service rendered under a metered Rate Schedule, the kilowatt-hours used for billing purposes shall be the amount specified for the calendar month in which the later meter read date occurred for service rendered under the metered Rate Schedule.

All-Night Service Option:

The monthly kilowatt-hours and distribution rates for each fixture served under the all-night service option are shown below.

Lamp Nominal

Light Output Lumens	Power Rating Watts	Monthly KWH per Fixture												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>High Pressure Sodium:</u>														
4,000	50	24	20	20	17	15	13	14	16	18	22	23	25	\$6.45
5,800	70	36	30	30	25	22	20	21	24	27	32	35	37	6.76
9,500	100	53	44	43	36	33	29	31	36	40	47	51	55	7.18
16,000	150	80	66	65	54	49	43	47	53	60	70	75	82	7.84
30,000	250	128	107	104	87	78	70	76	86	96	114	122	132	9.06
50,000	400	196	163	159	133	120	107	116	132	147	173	186	202	10.77
130,000	1,000	462	384	375	314	282	252	272	310	347	408	438	475	17.44
<u>Metal Halide:</u>														
5,000	70	37	31	30	25	23	20	22	25	28	33	35	38	\$6.78
8,000	100	51	42	41	35	31	28	30	34	38	45	48	53	7.12
13,000	150	80	66	65	54	49	44	47	54	60	71	76	82	7.85
13,500	175	87	72	71	59	53	47	51	58	65	77	82	89	8.02
20,000	250	121	101	98	82	74	66	71	81	91	107	115	125	8.88
36,000	400	190	158	154	129	116	104	112	127	142	167	180	195	10.60
100,000	1,000	455	378	369	309	278	248	268	306	341	402	431	468	17.26

LED's and other technologies accepted by the Company:

	<u>Per</u>	<u>Per</u>
	<u>Fixture</u>	<u>Watt</u>
Monthly Distribution Rates .....	\$3.34	\$0.01060

Monthly KWH per Fixture will be calculated to the nearest whole (1.0) KWH as follows:

Total Fixture Wattage divided by 1,000 times the monthly hours of operation below

Monthly Hours of Operation											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
421	350	342	286	257	230	248	283	316	372	399	433

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3<sup>rd</sup> Revised Page 83  
 Superseding 2<sup>nd</sup> Revised Page 83  
 Rate EOL

Midnight Service Option:

The monthly kilowatt-hours and distribution rates for each fixture served under the midnight service option are shown below.

Lamp Nominal

Light Output Lumens	Power Rating Watts	Monthly KWH per Fixture												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>High Pressure Sodium:</u>														
4,000	50	12	10	9	7	6	5	6	7	8	10	12	13	\$6.45
5,800	70	18	15	13	10	9	8	8	10	12	15	19	20	6.76
9,500	100	27	22	19	15	13	12	12	15	18	22	27	29	7.18
16,000	150	40	33	28	23	20	17	18	22	26	32	40	43	7.84
30,000	250	65	54	46	37	32	28	30	36	42	52	66	69	9.06
50,000	400	100	82	70	56	50	43	45	54	64	79	100	106	10.69
130,000	1,000	234	192	165	132	116	100	106	127	151	186	235	248	17.38
<u>Metal Halide:</u>														
5,000	70	19	16	13	11	9	8	9	10	12	15	19	20	\$6.78
8,000	100	26	21	18	15	13	11	12	14	17	21	26	27	7.12
13,000	150	41	33	29	23	20	17	18	22	26	32	41	43	7.85
13,500	175	44	36	31	25	22	19	20	24	28	35	44	47	8.02
20,000	250	61	50	43	35	31	26	28	33	40	49	62	65	8.88
36,000	400	96	79	67	54	48	41	44	52	62	76	96	102	10.60
100,000	1,000	230	189	162	130	114	98	105	125	149	184	231	244	17.26

LED's and other technologies accepted by the Company:

	<u>Per</u>	<u>Per</u>
	<u>Fixture</u>	<u>Watt</u>
Monthly Distribution Rates . . . . .	\$3.34	\$0.01060

Monthly KWH per Fixture will be calculated to the nearest whole (1.0) KWH as follows:

Total Fixture Wattage divided by 1,000 times the monthly hours of operation below

Monthly Hours of Operation											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
213	175	150	120	106	91	97	116	138	170	214	226

LEAP YEAR ADJUSTMENT TO ENERGY

During any leap year, the energy (Kilowatt-hour) usage during the month of February for all fixtures shall be increased by 3.4 percent for the purpose of determining total energy charges under this rate.

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 Douglas W. Foley

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 PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
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~~43<sup>th</sup>~~ Revised Page 41  
 Superseding ~~32<sup>nd</sup>~~ Page 41  
 Rate R

RESIDENTIAL DELIVERY SERVICE RATE R

AVAILABILITY

Subject to the Terms and Conditions of the Tariff of which it is a part, this rate is for Delivery Service in individual urban, rural and farm residences and apartments. Service under this rate is available to those Customers who receive all of their electric service requirements hereunder, except that controlled electric service for thermal storage devices is available under Load Controlled Delivery Service Rate LCS and outdoor area lighting is available under Outdoor Lighting Delivery Service Rate OL.

This rate is not applicable to commercial purposes except as specified hereafter. Multiple use of Delivery Service within the residence through one meter shall be billed in accordance with the predominant use of the demand. When wired for connection to the same meter, Delivery Service under this rate shall include the residence and connecting and adjacent buildings used exclusively for noncommercial purposes.

The use of single-phase motors of 3 H.P. rating or less is permitted under this rate provided such use does not interfere with the quality of service rendered to other Customers. Upon written application to the Company, the use of larger motors may be authorized where existing distribution facilities permit.

CHARACTER OF SERVICE

Delivery Service supplied under this rate will be single-phase, 60 hertz, alternating current, normally three-wire at a nominal voltage of 120/240 volts.

RATE PER MONTH

Customer Charge ..... \$13.81 per month

Energy Charges:

Per Kilowatt-Hour

Distribution Charge..... ~~5.363~~ ~~196~~¢

Regulatory Reconciliation Adjustment..... (0.032)¢

Transmission Charge ..... 3.046¢

Stranded Cost Recovery ..... 0.458¢

Issued: ~~February~~ ~~1~~ ~~April~~ ~~29~~, 2022

Issued by:                     /s/Douglas Foley                      
 Douglas Foley

Effective: ~~January~~ ~~1~~ ~~August~~ ~~1~~, 2022

Title:                     President, NH Electric Operations                    

Authorized by NHPUC Order No. 26,501 in Docket No. DE 21-109, dated July 29, 2021 and NHPUC Order No. 26,569 in Docket No. DE 21-117, dated January 25, 2022 and NHPUC Order No. 26,570 in Docket No. DE 21-029, dated January 25, 2022 and NHPUC Order No. 26,568 in Docket No. DE 19-057, dated January 25, 2022.

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~~34<sup>th</sup>~~ Revised Page 42  
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Rate R

WATER HEATING - UNCONTROLLED

Uncontrolled water heating service is available under this rate at those locations which were receiving service hereunder on January 1, 2021 and which have continuously received such service since that date, and when such service is supplied to approved water heaters equipped with either (a) two thermostatically-operated heating elements, each with a rating of no more than 5,500 watts, so connected or interlocked that they cannot operate simultaneously, or (b) a single thermostatically-operated heating element with a rating of no more than 5,500 watts. The heating elements or element shall be connected by means of an approved circuit to a separate water heating meter. Delivery Service measured by this meter will be billed monthly as follows:

Meter Charge .....\$4.87 per month

Energy Charges:

Distribution Charge.....~~2.404~~2.519 ¢ per kilowatt-hour  
Regulatory Reconciliation Adjustment..... (0.018)¢ per kilowatt-hour  
Transmission Charge .....2.358¢ per kilowatt-hour  
Stranded Cost Recovery.....0.458¢ per kilowatt-hour

WATER HEATING - CONTROLLED

Controlled off-peak water heating is available under this rate for a limited period of time at those locations which were receiving controlled off-peak water heating service hereunder on Customer Choice Date and which have continuously received such service hereunder since that date. Service under this rate at such locations shall continue to be available only for the remaining life of the presently-installed water heating equipment. No replacement water heaters shall be permitted to be installed for service under this rate at locations which otherwise would qualify for this service.

For those locations which qualify under the preceding paragraph, controlled off-peak water heating service is available under this rate when such service is supplied to approved storage type electric water heaters having an off-peak heating element with a rating of no more than 1,000 watts, or 20 watts per gallon of tank capacity, whichever is greater. The off-peak element shall be connected by means of an approved circuit to a separate water heating meter. Electricity used will be billed monthly as follows:

Meter Charge .....\$4.87 per month

Energy Charges:

Distribution Charge.....2.404¢ per kilowatt-hour  
Regulatory Reconciliation Adjustment..... (0.018)¢ per kilowatt-hour  
Transmission Charge .....2.358¢ per kilowatt-hour  
Stranded Cost Recovery.....0.163 ¢ per kilowatt-hour

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Issued by: /s/ Douglas W. Foley  
Douglas W. Foley

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Authorized by NHPUC Order No. 26,569 in Docket No. DE 21-117, dated January 25, 2022 and NHPUC Order No. 26,570 in Docket No. DE 21-029, dated January 25, 2022 and NHPUC Order No. 26,568 in Docket No. DE 19-057, dated January 25, 2022.

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Superseding 2<sup>nd</sup> Revised Page 45  
Rate R-OTOD

SERVICE AGREEMENT

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

CHARACTER OF SERVICE

Service supplied under this rate will be single-phase, 60 hertz, alternating current, normally three-wire at a nominal voltage of 120/240 volts.

RATE PER MONTH

Customer Charge .....\$32.08 per month

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

On-Peak Hours (7:00 a.m. to 8:00 p.m.  
weekdays excluding Holidays) .....15.~~095~~263¢

Off-Peak Hours (all other hours) .....0.~~818~~986¢

Regulatory Reconciliation Adjustment..... (0.032)¢

Transmission Charges:

On-Peak Hours (7:00 a.m. to 8:00 p.m.  
weekdays excluding Holidays) .....3.046¢

Off-Peak Hours (all other hours) .....1.989¢

Stranded Cost Recovery.....0.360¢

The On-Peak Hours shall be the hours after 7:00 a.m. and before 8:00 p.m. weekdays excluding holidays as defined in this Tariff. The Off-Peak Hours shall be all hours not included in the On-Peak Hours.

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~~43<sup>rd</sup>~~ Revised Page 47  
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Rate R-OTOD

Meter Charge .....\$4.87 per month

Energy Charges:

Distribution Charge.....2.404519¢ per kilowatt-hour

Regulatory Reconciliation Adj .....(0.018)¢ per kilowatt-hour

Transmission Charge .....2.358¢ per kilowatt-hour

Stranded Cost Recovery..... 0.163¢ per kilowatt-hour

SERVICE CHARGE

When the Company establishes or re-establishes a Delivery Service account for a Customer at a meter location, the Company will be entitled to assess a service charge in addition to all other charges under this rate. The service charge will be \$10.00 if the Company does not have to send an employee to the meter location to establish or re-establish Delivery Service.

When it is necessary for the Company to send an employee to the meter location to establish or re-establish Delivery Service, the service charge will be \$35.00. When it is necessary for the Company to send an employee to the meter location outside of normal working hours to establish or re-establish Delivery Service, the service charge will be \$80.00. The Company will be entitled to assess an \$26.00 service charge when it is necessary to send an employee to the Customer location to collect a delinquent bill. This charge shall apply regardless of any action taken by the Company including accepting a payment, making a deferred payment arrangement or leaving a collection notice at the Customer’s premises.

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Title:           President, NH Electric Operations          

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NHPUC NO. 10 - ELECTRICITY DELIVERY  
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
DBA EVERSOURCE ENERGY

~~43<sup>th</sup>~~ Revised Page 50  
Superseding 3<sup>rd</sup> Revised Page 50  
Rate G

GENERAL DELIVERY SERVICE RATE G

AVAILABILITY

Subject to the Terms and Conditions of the Tariff of which it is a part, this rate is for Delivery Service for any use. It is available to (1) those Customers at existing delivery points who were receiving service hereunder on General Service Rate G on January 1, 1983, and who have continuously received service under that rate and this successor since that date, and (2) all other Customers whose loads as defined for billing purposes do not exceed 100 kilowatts. Service rendered hereunder shall exclude all backup and standby service provided under Backup Delivery Service Rate B.

Customers taking service under this rate shall provide any necessary transforming and regulating devices on the Customer's side of the meter. Controlled electric service for thermal storage devices is available under Load Controlled Service Rate LCS and outdoor area lighting is available under Outdoor Lighting Delivery Service Rate OL.

CHARACTER OF SERVICE

Delivery Service supplied under this rate will be 60 hertz, alternating current, either (a) single-phase, normally three-wire at a nominal voltage of 120/240 volts, or (b) three-phase, normally at a nominal voltage of 120/208 or 277/480 volts. Three-phase, three-wire service at a nominal voltage of 240, 480 or 600 volts is available only to those Customers at existing locations who were receiving such service on February 1, 1986, and who have continuously received such service since that date. In underground secondary network areas, Delivery Service will be supplied only at a nominal voltage of 120/208 volts.

RATE PER MONTH

	<u>Single-Phase Service</u>	<u>Three-Phase Service</u>
Customer Charge .....	\$16.21 per month	\$32.39 per month
Customer's Load Charges:	<u>Per Kilowatt of Customer Load in Excess of 5.0 Kilowatts</u>	
Distribution Charge.....	<del>\$14.69</del> <u>24</u>	
Regulatory Reconciliation Adjustment.....	\$(0.10)	
Transmission Charge .....	\$7.86	
Stranded Cost Recovery .....	\$0.53	

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NHPUC NO. 10 - ELECTRICITY DELIVERY  
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Energy Charges:

	<u>Per Kilowatt-Hour</u>
Distribution Charges:	
First 500 kilowatt-hours .....	2.820¢
Next 1,000 kilowatt-hours .....	2.283¢
All additional kilowatt-hours .....	1.724¢
Transmission Charge	
First 500 kilowatt-hours .....	2.840¢
Next 1,000 kilowatt-hours .....	1.068¢
All additional kilowatt-hours .....	0.573¢
Stranded Cost Recovery .....	0.530¢

WATER HEATING - UNCONTROLLED

Uncontrolled water heating service is available under this rate at those locations which were receiving service hereunder on January 1, 2021 and which have continuously received such service since that date, and when such service is supplied to approved water heaters equipped with either (a) two thermostatically-operated heating elements, each with a rating of no more than 5,500 watts, so connected or interlocked that they cannot operate simultaneously, or (b) a single thermostatically-operated heating element with a rating of no more than 5,500 watts. The heating elements or element shall be connected by means of an approved circuit to a separate water heating meter. Service measured by this meter will be billed monthly as follows:

Meter Charge .....\$4.87 per month

Energy Charges:

Distribution Charge.....	2.404519¢ per kilowatt-hour
Regulatory Reconciliation Adj .....	(0.018)¢ per kilowatt-hour
Transmission Charge .....	2.358¢ per kilowatt-hour
Stranded Cost Recovery.....	0.53¢ per kilowatt-hour

WATER HEATING - CONTROLLED

Controlled off-peak water heating is available under this rate for a limited period of time at those locations which were receiving controlled off-peak water heating service hereunder on Customer Choice Date and which have continuously received such service hereunder since that

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DBA EVERSOURCE ENERGY

~~34<sup>th</sup>~~ Revised Page 52  
Superseding 3<sup>rd</sup> Page 52  
Rate G

date. Service under this rate at such locations shall continue to be available only for the remaining life of the presently-installed water heating equipment. No replacement water heaters shall be permitted to be installed for service under this rate at locations which otherwise would qualify for this service.

For those locations which qualify under the preceding paragraph, controlled off-peak water heating service is available under this rate when such service is supplied to approved storage type electric water heaters having an off-peak heating element with a rating of no more than 1,000 watts, or 20 watts per gallon of tank capacity, whichever is greater. The off-peak element shall be connected by means of an approved circuit to a separate water heating meter. Electricity used will be billed monthly as follows:

Meter Charge ..... \$4.87 per month

Energy Charges:

Distribution Charge..... 2.404519¢ per kilowatt-hour

Regulatory Reconciliation Adj..... (0.018)¢ per kilowatt-hour

Transmission Charge..... 2.358¢ per kilowatt-hour

Stranded Cost Recovery..... 0.171¢ per kilowatt-hour

SPACE HEATING SERVICE

Space heating service is available under this rate at those locations which were receiving space heating service under the Transitional Space Heating Service Rate TSH prior to Customer Choice Date and which have continuously received such service since that date. Customers at such locations who have elected this rate shall have the electricity for such service billed separately on a monthly basis as follows:

Meter Charge ..... \$3.24 per month

Energy Charges:

Distribution Charge..... 4.135235¢ per kilowatt-hour

Regulatory Reconciliation Adj..... (0.019)¢ per kilowatt-hour

Transmission Charge..... 2.840¢ per kilowatt-hour

Stranded Cost Recovery..... 0.650¢ per kilowatt-hour

Space heating equipment served under this rate, including heat pumps and associated air circulating equipment, shall be wired by means of approved circuits to permit measurement of such equipment's additional demand and energy use.

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~~3<sup>rd</sup>~~4<sup>th</sup> Revised Page 55  
 Superseding ~~32<sup>rd</sup>~~ Page 55  
 Rate G-OTOD

SERVICE AGREEMENT

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

CHARACTER OF SERVICE

Service supplied under this rate will be 60 hertz, alternating current, either (a) single-phase, normally three-wire at a nominal voltage of 120/240 volts or (b) three-phase, normally at a nominal voltage of 120/208 or 277/480 volts. Three-phase, three-wire service at a nominal voltage of 240, 480 or 600 volts is available only to those Customers at existing locations who were receiving such service on February 1, 1986, and who have continuously received such service since that date. In underground secondary network areas, service will be supplied only at a nominal voltage of 120/208 volts.

RATE PER MONTH	<u>Single-Phase Service</u>	<u>Three-Phase Service</u>
Customer Charge .....	\$41.98 per month	\$60.00 per month
Customer's Load Charges:	<u>Per Kilowatt of Customer Load</u>	
Distribution Charge.....	\$15. <del>4267</del>	
Regulatory Reconciliation Adjustment.....	\$ (0.10)	
Transmission Charge .....	\$ 5.18	
Stranded Cost Recovery.....	\$ 0.27	
Energy Charges:	<u>Per Kilowatt-Hour</u>	
Distribution Charges:		
On-Peak Hours (7:00 a.m. to 8:00 p.m. weekdays excluding Holidays) .....	5.350¢	
Off-Peak Hours (all other hours) .....	0.851¢	
Stranded Cost Recovery .....	0.171¢	
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NHPUC NO. 10 - ELECTRICITY DELIVERY  
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
DBA EVERSOURCE ENERGY

Superseding ~~32<sup>nd</sup>~~ <sup>43<sup>rd</sup></sup> Revised Page 59  
Rate LCS

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

Radio-Controlled Option ..... 1.~~284~~<sup>350</sup>¢

8-Hour, 10-Hour or 11-Hour Option ..... 2.~~404~~<sup>470</sup>¢

Regulatory Reconciliation Adjustment:

Radio-Controlled Option or 8-Hour Option..... (0.018)¢

10-Hour or 11-Hour Option ..... (0.018)¢

Transmission Charge ..... 2.358¢

Stranded Cost Recovery (When service is taken  
in conjunction with Rate R) ..... 0.083 ¢

Stranded Cost Recovery (When service is taken  
in conjunction with Rate G) ..... 0.100 ¢

METERS

Under this rate, the Company will install one meter with appropriate load control devices.

ELECTRIC THERMAL STORAGE EQUIPMENT APPROVED FOR LOAD CONTROL

Load Controlled Service is available under this rate to electric thermal storage installations meeting the Company's specifications as to type, size and electrical characteristics in accordance with the following guidelines.

I. Electric Thermal Storage Space Heating Equipment

Adequate control and switching equipment must be installed to provide capability for staggering the commencement of the charging period with respect to other electric thermal storage devices and for permitting partial charging on warmer days, and for controlling service to the thermal storage devices.

The storage capability of the electric thermal storage device must be adequate to heat the Customer's whole premises under design conditions and must be properly sized to ensure a constant rate of charging during the period which service under this rate is available as determined by the Company in accordance with its customary procedures. A smaller-sized electric thermal storage device may be approved by the Company for use in the Customer's premises under the Radio-Controlled Option.

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~~43<sup>th</sup>~~ Revised Page 62  
Superseding ~~32<sup>nd</sup>~~ Page 62  
Rate GV

Per Kilowatt of Maximum Demand

Demand Charges:

Distribution Charges:

First 100 kilowatts..... \$~~6.987~~7.21

Excess Over 100 kilowatts..... \$~~6.9572~~

Regulatory Reconciliation Adjustment..... \$(0.04)

Transmission Charge ..... \$10.52

Stranded Cost Recovery..... \$0.45

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

First 200,000 kilowatt-hours ..... 0.663¢

All additional kilowatt-hours ..... 0.590¢

Stranded Cost Recovery..... 0.202¢

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 PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
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Superseding ~~32~~<sup>43</sup><sup>th</sup>rd Revised Page 66  
 Rate LG

LARGE GENERAL DELIVERY SERVICE RATE LG

AVAILABILITY

Subject to the Terms and Conditions of the Tariff of which it is a part, this rate is for high voltage Delivery Service. It is available upon the signing of a Service Agreement for such service at specified delivery points to Customers whose loads are larger than those that would be permitted under Rate GV of this Tariff. Service rendered hereunder shall exclude all backup and standby service provided under Backup Delivery Service Rate B. Outdoor area lighting is available under Outdoor Lighting Delivery Service Rate OL. Substation foundations and structures, and suitable controlling, regulating, and transforming apparatus, all of which shall be acceptable to and approved by the Company, together with such protective equipment as the Company shall deem necessary for the protection and safe operation of its system, shall be provided at the expense of the Customer.

CHARACTER OF SERVICE

Delivery Service supplied under this rate will be three-phase, 60 hertz, alternating current, at a nominal delivery voltage determined by the Company, generally 34,500 volts or higher. A reasonably balanced load between phases shall be maintained by the Customer.

RATE PER MONTH

Customer Charge ..... \$660.15 per month

Demand Charges:

Per Kilovolt-Ampere of Maximum Demand

Distribution Charge..... ~~\$5.926.11~~

Regulatory Reconciliation Adjustment..... \$(0.04)

Transmission Charge ..... \$10.36

Stranded Cost Recovery..... \$0.22

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

On-Peak Hours.....0.559¢

Off-Peak Hours .....0.473¢

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NHPUC NO. 10 - ELECTRICITY DELIVERY  
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
DBA EVERSOURCE ENERGY

Superseding ~~32<sup>nd</sup>~~ <sup>43<sup>rd</sup></sup> Revised Page 72  
Rate B

Demand Charges:

For Customers who take service at 115,000 volts or higher, the following charges apply:

- Transmission Charge..... \$2.37 per KW or KVA, whichever is applicable, of Backup Contract Demand
- Stranded Cost Recovery  
(For Customers whose Standard Rate is Rate GV)... \$0.22 per KW or KVA, whichever is applicable, of Backup Contract Demand
- Stranded Cost Recovery  
(For Customers whose Standard Rate is Rate LG)...\$0.11 per KW or KVA, whichever is applicable, of Backup Contract Demand

For all other Customers, in addition to the charges applicable to the Customers who take service at 115,000 volts or higher, the following additional charge applies:

- Distribution Charge..... \$5.~~43-57~~ per KW or KVA, whichever is applicable, of Backup Contract Demand
- Regulatory Reconciliation Adj. ....\$ (0.03) per KW or KVA, whichever is applicable, of Backup Contract Demand

Energy Charges:

The energy charges contained in the Standard Rate for Delivery Service, except that the distribution charge is not applicable to Customers who take service at 115,000 volts or higher.

METERING

Metering shall be provided by the Company in accordance with the provisions of the Customer's Standard Rate, except as modifications to such metering may be required by the provisions of this rate. The Company may install any metering equipment necessary to accomplish the purposes of this rate, including the measurement of output from the Customer's generating facilities. Customer shall provide suitable meter locations for the Company's metering facilities. All costs of metering equipment in excess of costs normally incurred by the Company to provide service under Customer's Standard Rate shall be borne by the Customer.

REFUSAL TO PROVIDE ACCESS

In the event that the Customer refuses access to its premises to allow the Company to install metering equipment to measure the output of the Customer's generating facilities, the Company may estimate the amount of demand and energy delivered under this rate. The Customer shall be responsible for payment of all bill amounts calculated hereunder based on such estimates of demand and energy delivered.

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 PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
 DBA EVERSOURCE ENERGY

3<sup>rd</sup> Revised Page 75  
 1<sup>st</sup> 2<sup>nd</sup> Superseding Revised Page 75  
 Rate OL

All-Night Service Option:

The monthly kilowatt-hours and distribution rates for each luminaire served under the all-night service option are shown below.

For New and Existing Installations:

Lamp Nominal Light Output Lumens	Power Rating Watts	Monthly KWH per Luminaire												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>High Pressure Sodium:</u>														
4,000	50	24	20	20	17	15	13	14	16	18	22	23	25	\$15. <del>5994</del>
5,800	70	36	30	30	25	22	20	21	24	27	32	35	37	15. <del>5994</del>
9,500	100	53	44	43	36	33	29	31	36	40	47	51	55	21. <del>20.73</del>
16,000	150	80	66	65	54	49	43	47	53	60	70	75	82	29. <del>32.98</del>
30,000	250	128	107	104	87	78	70	76	86	96	114	122	132	30. <del>0572</del>
50,000	400	196	163	159	133	120	107	116	132	147	173	186	202	31. <del>060.39</del>
130,000	1,000	462	384	375	314	282	252	272	310	347	408	438	475	49.85
<u>Metal Halide:</u>														
5,000	70	37	31	30	25	23	20	22	25	28	33	35	38	\$16. <del>6226</del>
8,000	100	51	42	41	35	31	28	30	34	38	45	48	53	22. <del>7626</del>
13,000	150	80	66	65	54	49	44	47	54	60	71	76	82	31. <del>220.54</del>
13,500	175	87	72	71	59	53	47	51	58	65	77	82	89	31. <del>819</del>
20,000	250	121	101	98	82	74	66	71	81	91	107	115	125	31. <del>819</del>
36,000	400	190	158	154	129	116	104	112	127	142	167	180	195	34. <del>482.18</del>
100,000	1,000	455	378	369	309	278	248	268	306	341	402	431	468	47. <del>198.24</del>
<u>Light Emitting Diode (LED):</u>														
2,500	28	12	10	10	8	7	6	7	8	9	10	11	12	\$10. <del>2952</del>
4,100	36	15	13	12	10	9	8	9	10	11	13	14	16	10. <del>2750</del>
4,800	51	21	18	17	15	13	12	13	14	16	19	20	22	10. <del>6744</del>
8,500	92	39	32	31	26	24	21	23	26	29	34	37	40	11. <del>7347</del>
13,300	142	60	50	49	41	36	33	35	40	45	53	57	61	12. <del>9667</del>
24,500	220	93	77	75	63	57	51	55	62	70	82	88	95	16. <del>255.89</del>

For Existing Installations Only:

Lamp Nominal Light Output Lumens	Power Rating Watts	Monthly KWH per Luminaire												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>Incandescent:</u>														
600	105	44	37	36	30	27	24	26	30	33	39	42	45	\$8. <del>989.18</del>
1,000	105	44	37	36	30	27	24	26	30	33	39	42	45	10. <del>2503</del>
2,500	205	86	72	70	59	53	47	51	58	65	76	82	89	13. <del>15.86</del>
6,000	448	189	157	153	128	115	103	111	127	142	167	179	194	22. <del>5940</del>

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 DBA EVERSOURCE ENERGY Rate OL

Lamp Nominal	Light Output Lumens	Power Rating Watts	Monthly KWH per Luminaire												Monthly Distribution Rate
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Mercury:															
3,500	100		49	41	40	34	30	27	29	33	37	44	47	51	\$14.063.75
7,000	175		86	72	70	59	53	47	51	58	65	76	82	89	16.5592
11,000	250		123	102	100	84	75	67	72	83	92	109	117	126	20.9146
15,000	400		191	159	155	130	116	104	112	128	143	168	181	196	23.9240
20,000	400		191	159	155	130	116	104	112	128	143	168	181	196	25.8326
56,000	1,000		455	379	370	309	278	249	268	306	342	402	432	468	41.0516

Fluorescent:															
20,000	330		139	115	113	94	85	76	82	93	104	123	132	143	\$34.275.03
High Pressure Sodium in Existing Mercury Luminaires:															
12,000	150		76	63	62	52	46	42	45	51	57	67	72	78	21.9245
34,200	360		174	145	141	118	106	95	102	117	130	154	165	179	28.0645

The 15,000 Lumen Mercury fixture is fitted with a 20,000 lumen lamp. The 600 Lumen Incandescent fixture is fitted with a 1,000 lumen lamp.

Midnight Service Option:

The monthly kilowatt-hours and distribution rates for each luminaire served under the midnight service option are shown below.

Lamp Nominal	Light Output Lumens	Power Rating Watts	Monthly KWH per Luminaire												Monthly Distribution Rate
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
High Pressure Sodium:															
4,000	50		12	10	9	7	6	5	6	7	8	10	12	13	\$15.9459
5,800	70		18	15	13	10	9	8	8	10	12	15	19	20	15.9459
9,500	100		27	22	19	15	13	12	12	15	18	22	27	29	21.200.73
16,000	150		40	33	28	23	20	17	18	22	26	32	40	43	29.9832
30,000	250		65	54	46	37	32	28	30	36	42	52	66	69	30.7205
50,000	400		100	82	70	56	50	43	45	54	64	79	100	106	31.060.39
130,000	1,000		234	192	165	132	116	100	106	127	151	186	235	248	49.858.76
Metal Halide:															
5,000	70		19	16	13	11	9	8	9	10	12	15	19	20	\$16.6226
8,000	100		26	21	18	15	13	11	12	14	17	21	26	27	22.7626
13,000	150		41	33	29	23	20	17	18	22	26	32	41	43	31.540.54
13,500	175		44	36	31	25	22	19	20	24	28	35	44	47	31.8919
20,000	250		61	50	43	35	31	26	28	33	40	49	62	65	31.8919
36,000	400		96	79	67	54	48	41	44	52	62	76	96	102	32.181.48
100,000	1,000		230	189	162	130	114	98	105	125	149	184	231	244	48.247.19

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32<sup>nd</sup> Revised Page 77  
 Superseding 1st Revised Page 77  
 Rate OL

Lamp Output Lumens	Nominal Power Rating Watts	Monthly KWH per Luminaire												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Light Emitting Diode (LED):														
2,500	28	6	5	4	3	3	3	3	3	4	5	6	6	\$10.5229
4,100	36	8	6	5	4	4	3	3	4	5	6	8	8	10.5027
4,800	51	11	9	8	6	5	5	5	6	7	9	11	12	10.6744
8,500	92	20	16	14	11	10	8	9	11	13	16	20	21	11.7347
13,300	142	30	25	21	17	15	13	14	16	20	24	30	32	12.9667
24,500	220	47	39	33	26	23	20	21	26	30	37	47	50	16.25589

**MODIFICATION OF SERVICE OPTION**

Municipal and state roadway lighting Customers may request a modification of service from the all-night service option to the midnight service option during the calendar months of January and February of each year, otherwise known as the open enrollment period. Requests received from municipal and state roadway lighting Customers after the open enrollment period shall be implemented during the subsequent open enrollment period, unless the Company determines that it is feasible and practicable to implement the request prior to the subsequent enrollment period. All other Customers may request a modification of service from the all-night service option to the midnight service option at any time. Customers requesting a modification of service from the all-night service option to the midnight service option are responsible to pay to the Company the installed cost of any additional equipment required to provide service under the midnight service option. The installed cost includes the cost of the additional equipment, labor, vehicles and overheads. The Customer is responsible to pay such costs prior to the installation of the equipment. If such a request is made concurrent with the Company’s existing schedule for lamp replacement and maintenance, the Customer is responsible to pay to the Company the cost of any additional equipment required, including overheads. The Customer is responsible to pay such costs prior to the installation of the equipment.

Customers requesting a modification of service from the midnight service option to the all-night service option are responsible to pay to the Company the installation cost of the equipment required to provide service under the all-night service option. The installation cost includes the cost of labor, vehicles and overheads. The Customer is responsible to pay such costs prior to the installation of the equipment. If such a request is made concurrent with the Company’s existing schedule for lamp replacement and maintenance, no additional costs are required to modify service from the midnight service option to the all-night service option.

The Company will utilize fixed price estimates per luminaire for the installed cost, the additional equipment cost and the equipment installation cost and will update the fixed price estimates per luminaire each year based upon current costs. In the event traffic control is required during a modification of service option or for equipment repair, the Customer is responsible to coordinate and to provide traffic control and to pay all costs associated with traffic control. In the event the Customer is a residential or General Delivery Service Rate G Customer, the Company may coordinate and provide traffic control on the Customer’s behalf and the Customer shall reimburse the Company for all costs associated with the traffic control provided by the Company. The scheduling of work associated with the modification of a service option will be made at the Company’s discretion with consideration given to minimizing travel and set-up time.

Issued: ~~February~~ April 29, 2022 Issued by: /s/ Douglas W. Foley  
 Douglas W. Foley

Effective: ~~February~~ August 1, 2022 Title: President, NH Electric Operations



NHPUC NO. -10 - ELECTRICITY DELIVERY  
 PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
 DBA EVERSOURCE ENERGY

32<sup>nd</sup> Revised Page 82  
 Superseding 24<sup>th</sup> Revised Page 82  
 Rate EOL

which are billed in conjunction with service rendered under a metered Rate Schedule, the kilowatt-hours used for billing purposes shall be the amount specified for the calendar month in which the later meter read date occurred for service rendered under the metered Rate Schedule.

All-Night Service Option:

The monthly kilowatt-hours and distribution rates for each fixture served under the all-night service option are shown below.

Lamp Nominal

Light Output Lumens	Power Rating Watts	Monthly KWH per Fixture												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>High Pressure Sodium:</u>														
4,000	50	24	20	20	17	15	13	14	16	18	22	23	25	\$6.4536
5,800	70	36	30	30	25	22	20	21	24	27	32	35	37	6.7667
9,500	100	53	44	43	36	33	29	31	36	40	47	51	55	7.1809
16,000	150	80	66	65	54	49	43	47	53	60	70	75	82	7.8475
30,000	250	128	107	104	87	78	70	76	86	96	114	122	132	9.0698
50,000	400	196	163	159	133	120	107	116	132	147	173	186	202	10.7769
130,000	1,000	462	384	375	314	282	252	272	310	347	408	438	475	17.4438
<u>Metal Halide:</u>														
5,000	70	37	31	30	25	23	20	22	25	28	33	35	38	\$6.7869
8,000	100	51	42	41	35	31	28	30	34	38	45	48	53	7.1203
13,000	150	80	66	65	54	49	44	47	54	60	71	76	82	7.8574
13,500	175	87	72	71	59	53	47	51	58	65	77	82	89	8.02793
20,000	250	121	101	98	82	74	66	71	81	91	107	115	125	8.880
36,000	400	190	158	154	129	116	104	112	127	142	167	180	195	10.6052
100,000	1,000	455	378	369	309	278	248	268	306	341	402	431	468	17.260

LED's and other technologies accepted by the Company:

	Per <u>Fixture</u>	Per <u>Watt</u>
Monthly Distribution Rates . . . . .	\$3.324	\$0.01060

Monthly KWH per Fixture will be calculated to the nearest whole (1.0) KWH as follows:

Total Fixture Wattage divided by 1,000 times the monthly hours of operation below

Monthly Hours of Operation											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
421	350	342	286	257	230	248	283	316	372	399	433

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 Douglas W. Foley

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NHPUC NO. -10 - ELECTRICITY DELIVERY  
 PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
 DBA EVERSOURCE ENERGY

Superseding ~~1<sup>st</sup>~~ <sup>3<sup>rd</sup></sup> Revised Page 83  
~~2<sup>nd</sup>~~ Revised Page 83  
 Rate EOL

Midnight Service Option:

The monthly kilowatt-hours and distribution rates for each fixture served under the midnight service option are shown below.

Lamp Light Output Lumens	Nominal Power Rating Watts	Monthly KWH per Fixture												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>High Pressure Sodium:</u>														
4,000	50	12	10	9	7	6	5	6	7	8	10	12	13	\$6. <del>4536</del>
5,800	70	18	15	13	10	9	8	8	10	12	15	19	20	6. <del>7667</del>
9,500	100	27	22	19	15	13	12	12	15	18	22	27	29	7. <del>1809</del>
16,000	150	40	33	28	23	20	17	18	22	26	32	40	43	7. <del>8475</del>
30,000	250	65	54	46	37	32	28	30	36	42	52	66	69	<del>9.068.98</del>
50,000	400	100	82	70	56	50	43	45	54	64	79	100	106	10.69
130,000	1,000	234	192	165	132	116	100	106	127	151	186	235	248	17.38
<u>Metal Halide:</u>														
5,000	70	19	16	13	11	9	8	9	10	12	15	19	20	\$6. <del>7869</del>
8,000	100	26	21	18	15	13	11	12	14	17	21	26	27	7. <del>1203</del>
13,000	150	41	33	29	23	20	17	18	22	26	32	41	43	7. <del>8576</del>
13,500	175	44	36	31	25	22	19	20	24	28	35	44	47	<del>8.027.93</del>
20,000	250	61	50	43	35	31	26	28	33	40	49	62	65	8.880
36,000	400	96	79	67	54	48	41	44	52	62	76	96	102	10. <del>6052</del>
100,000	1,000	230	189	162	130	114	98	105	125	149	184	231	244	17.2 <del>60</del>

LED's and other technologies accepted by the Company:

	Per <u>Fixture</u>	Per <u>Watt</u>
Monthly Distribution Rates . . . . .	\$3. <del>324</del>	\$0.01060

Monthly KWH per Fixture will be calculated to the nearest whole (1.0) KWH as follows:

Total Fixture Wattage divided by 1,000 times the monthly hours of operation below

Monthly Hours of Operation											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
213	175	150	120	106	91	97	116	138	170	214	226

LEAP YEAR ADJUSTMENT TO ENERGY

During any leap year, the energy (Kilowatt-hour) usage during the month of February for all fixtures shall be increased by 3.4 percent for the purpose of determining total energy charges under this rate.

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 Douglas W. Foley

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Authorized by NHPUC Order No. 26,433 in Docket No. DE 19-057, dated December 15, 2020 and NHPUC Order No. 26,569 in Docket No. DE 19-057, dated January 25, 2022.