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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. 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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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 Burs Kalter

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 April 29, 2022

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 April 29, 2022

Table of Contents

I.	INTRODUCTION	1
II.	CAPITAL PROJECT PLANNING AND APPROVAL PROCESS	5
	A. Capital Project Planning	5
	B. Capital Project Authorization Policy	8
	C. Capital Project Authorization Process	9
	D. Capital Project Cost Control Procedures	12
III.	STEP ADJUSTMENT CAPITAL PROJECTS	14

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 April 29, 2022 Page 1 of 20

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

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
- customer needs for service and reliability are satisfied in this regard. The Distribution
- 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
- projects and programs. I have also had responsibility for the Reliability Enhancement
- Program ("REP") Plan, which supported up to \$40 million of capital investment annually
- targeted at reliability projects.

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
April 29, 2022
Page 2 of 20

- 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
- 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
- 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 Commission?
- 12 A. Yes, I have testified before the New Hampshire Public Utilities Commission (the
- "Commission") in past proceedings, including Docket No. DE 09-035 (Reliability
- Enhancement Program), Docket No. DE 13-177 (Least Cost Integrated Resource Plan),
- and Docket No. DE 16-576 (Development of New Alternative Net Metering Tariffs and/or
- Other Regulatory Mechanisms and Tariffs for Customer-Generators). I have also co-
- 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
- is 13 Legends Drive, Hooksett, New Hampshire.

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
April 29, 2022
Page 3 of 20

- 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
- Group as well as providing oversight of the capital program for the transmission business
- 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.
- A. My name is James J. Devereaux. I am employed by Eversource Energy Service Company
- 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
- financial reporting, analysis and oversight of the Company's capital and O&M programs.
- I also monitor capital projects throughout their life cycle and provide reporting on a
- monthly basis to review costs and identify projects that need supplemental funding
- 15 authorization approvals.
- Q. Mr. Plante and Mr. Devereaux, did you previously sponsor testimony in this docket
- 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
- in this docket that provides further information on our professional experience and
- 21 educational backgrounds.

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
April 29, 2022
Page 4 of 20

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 distribution rates for the third step adjustment, to be effective August 1, 2022, as provided 3 4 in Section 10 of the Settlement Agreement on Permanent Distribution Rates dated October 9, 2020 (the "Settlement Agreement") and approved by the Commission in Order No. 5 26,433 on December 15, 2020. This is the third step adjustment under the Settlement 6 Agreement and pertains to certain projects placed in service during calendar year 2021. 7 Our testimony will describe the capital projects and the processes in place at the Company 8 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 Edward A. Davis on the step adjustment revenue requirement and rate impacts, 11 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 calendar year 2021 by project.

16 Q. How is your testimony organized?

A. Following this introduction, Section II discusses the Company's capital planning and approval process and describes how the construction budget is developed and managed.

Section III describes the capital projects and costs included in the step adjustment and the documentation being provided in support of those projects.

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
April 29, 2022
Page 5 of 20

II. CAPITAL PROJECT PLANNING AND APPROVAL PROCESS

A. Capital Project Planning

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- 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.

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

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 April 29, 2022 Page 6 of 20

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

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

A.

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

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
April 29, 2022
Page 7 of 20

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

What factors does the Company consider when evaluating the merits and needs of capital projects?

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

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 April 29, 2022 Page 8 of 20

B. Capital Project Authorization Policy

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Q. What is the Company's capital project authorization policy?

The Company evaluates each individual capital project in accordance with the Accounting Policy Standard 1, Project Authorization Policy ("APS 1"). In its initial request for permanent rates filed in this docket on May 28, 2019 (the "Initial Filing"), Attachment ELM-5 provided the version of APS 1 that was in effect for the capital projects placed in service in this third step adjustment. The purpose of APS 1 is to provide a framework to guide decision-making, evaluation and approval of all capital and reimbursable project spending. Within this framework, the Company is able to identify and plan key corporate spending initiatives; enable the evaluation of all major projects; and determine the allocation of corporate financial resources. Capital projects subject to APS 1 include, but are not limited to, electric operations, real estate/facilities, customer care and information technology. The Company modified APS 1 in 2015 to adopt a common process for project authorization and funding across the Eversource Energy organization. The Company follows APS-1, as provided in Attachment ELM-5 to the Initial Filing and utilizes the PowerPlan® system as the repository for capital project authorization forms ("PAF"). A PAF is required where a specific capital project cost estimate is expected to exceed the threshold outlined in APS 1. PAFs are approved by the Company's management in accordance with the Delegation of Authority ("DOA"), a copy of which was provided in Attachment ELM-6 to the Initial Filing. This process is based on Eversource Energy's enterprise-wide project authorization process, which is centralized and standardized across the organization. As an additional measure, the

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
April 29, 2022
Page 9 of 20

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

C. Capital Project Authorization Process

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- Please describe the approval process for the Company's PAFs applicable to the proposed step adjustment.
 - A. Capital projects require a PAF to be submitted for approval to the senior manager of the relevant operating area in accordance with APS 1. The project sponsor, typically a project originator or a project manager, is responsible for preparing the necessary PAF documentation for approval. In addition, all PAFs are reviewed and approved by the Plant Accounting department to ensure proper capital and expense classification, in accordance with generally accepted accounting principles, and unit of property accounting. A PAF includes the following sections:
 - Executive Summary: This section provides a high-level overview or scope of the project, why it should be undertaken and what, specifically, the requested funding will be used for. If the project received prior funding, the amount(s) and approval date(s) are to be noted along with a summary of current status.
 - Project Costs Summary: This section provides a breakdown of the project costs by category such as labor, materials, outside services, indirect costs, etc. and depending upon the type of funding request (Initial/Partial/Full) may or may not include a detailed project estimate.

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
April 29, 2022
Page 10 of 20

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

A.

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

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

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

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 April 29, 2022 Page 11 of 20

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

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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
April 29, 2022
Page 12 of 20

D. Capital Project Cost Control Procedures

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

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

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

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
April 29, 2022
Page 13 of 20

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

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A.

Yes. Monthly capital project budget review meetings are held with the Capital Budget Review Committee ("CBRC"), which is led by the President of Eversource New Hampshire and includes all stakeholders of the annual plan, to discuss the status and cost of individual projects within the capital budget. Once the monthly accounting close has completed, a report with all active capital projects is sent to all project managers and stakeholders for their updates. Updates are provided by project managers and stakeholders regarding monthly and annual spending projections and any changes to authorization or project completion status. After all updates have been incorporated, an updated CBRC report is prepared for review at the monthly CBRC meeting. Each project is discussed with emphasis on project cash flows, authorization status, completion status, and any issues or challenges. After all projects are discussed and projections have been updated, a new annual capital spending projection is calculated and plans can be made to address any necessary changes. This meeting also provides New Hampshire leadership with the information necessary to make decisions on accelerating or decelerating certain projects as necessary to stay within the overall authorized capital budget, as developed and approved in the Annual Plan, while best supporting the needs of our customers. APS 1 requires the submission of a Supplement Request Form with revised cost and justification when it becomes likely that the project direct costs are expected to increase from the original authorized dollar amount in accordance with certain threshold criteria. For Distribution Operation projects up to \$250,000, this threshold is an increase in direct costs of \$25,000 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
April 29, 2022
Page 14 of 20

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

7 III. STEP ADJUSTMENT CAPITAL PROJECTS

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

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
April 29, 2022
Page 15 of 20

- Q. Please explain how the Company has categorized its plant additions for purposes of the step adjustment.
- A. As an initial matter, the Company has segregated all capital additions into three distinct categories for review purposes: (1) specific capital projects; (2) specific carryover capital projects; and (3) annual blanket projects and programs (Annuals). Each category of capital additions has distinct capital addition documentation requirements.
- 7 Q. Please explain how the Company defines specific capital projects.
- Specific capital projects are projects where a stand-alone project is being constructed. 8 A. Examples of these projects include new substations, new lines, and circuit conversions. 9 10 Specific capital projects have defined start and end dates for construction with a defined project cost and may be managed by a project manager and have unique project names for 11 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 as part of the rate case and had a substantial portion of plant placed in service in 2021. 15
- 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

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
April 29, 2022
Page 16 of 20

now in service and being included in the calculation of the step adjustment in this filing.

Carryover charges may also be credits (or reductions) to a capital project for adjustments that have been made in 2021.

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

A.

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

Annual programs support a particular body of work and are typically lower in volume but

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

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
April 29, 2022
Page 17 of 20

- Q. Please describe the documentation you are providing in support of the Company's step adjustment.
- A. Attachment RDJ/DLP/JJD-1 identifies the capital projects placed in service in calendar year 2021 that are not currently in rate base. The attachment contains the following information:¹
 - Page 1 contains a summary of the 2021 plant additions by category.
 - Pages 2-3 contain the list of projects identified as current specific capital projects. For each project, the associated plant account(s), 2021 plant in service amount, preconstruction authorization amount, any supplemental authorizations, and actual project life-to-date capital project costs through December 31, 2021 are provided. Dollar and percentage variances are calculated between: (1) the actual project life-to-date capital costs and the pre-construction authorized amount; (2) the last supplemental authorized amount and the pre-construction authorized amount; and (3) the actual project life-to-date capital costs and the last supplemental authorized amount. Also provided is an indicator of whether the project is considered final or still has expected charges in future years. An indicator of "106" means that one or more work orders within that project are either in FERC Account 107, *Construction Work in Progress* ("CWIP"), or FERC Account 106, *Construction Complete not Categorized* ("CCNC"). Work orders in FERC Account 107 are not in service as

¹ 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.

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
April 29, 2022
Page 18 of 20

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

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

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
April 29, 2022
Page 19 of 20

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

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

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

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

Q. Is the level of documentation provided in this filing similar to the documentation provided previously in this docket for the Company's permanent rate request and 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

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
April 29, 2022
Page 20 of 20

- adjustments. However, in the Settlement Agreement, the Company agreed to a business process audit ("BPA"). As of the date of this filing, the BPA has not yet been completed. Therefore, the information being provided in this third step adjustment filing is consistent with the first and second step adjustment filings subject to modifications to address 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 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

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

DE 22-030 Exh. 1

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment RDJ/DLP/JJD-1 Step 3 (2021) Adjustment Page 1 of 7

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

							L		Total cost (direct and mollect, includes install and cost of femoval)										
											As of 12/31/21	Actual Final Cos	et to	Supplement	t to	Actual Fina	l Cost to		
				Specific		First in Service			Pro Construction	Supplemental				• •				GL Account	
12	V D	District	Desired T	Specific	Dealert Description		Dia 1 A 1/2)	2024 Plant's Cartin	Pre-Construction	Supplemental	Actual Project	Pre-Construction Estima	ate variance	Pre-Construction Estir	mate variance	Supplemen	variance	GL Account	e de de
<u>Line</u>		<u>Plant Type</u>	Project Type	Project No.	<u>Project Description</u>	<u>Event</u>	Plant Account(s)	2021 Plant in Service	<u>Authorization</u>	<u>Authorization</u>	<u>Life to Date Costs</u>	<u>(\$)</u>	<u>%</u>	<u>(\$)</u>	<u>%</u>	<u>(\$)</u>	<u>%</u>	<u>101 or 106</u>	<u>Explanation</u>
	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. U
1	2021	General	Specific	19720	Nashua Renovation	2021	390, 391	\$ 8,427,374.19	\$ 8,000,000.00		\$ 8,427,374.19 \$	427,374.19	5%					106	
2	2021	General	Specific	20755	Bow Mobile Substation Expansion	2021	390	\$ 678,745.37	\$ 871,729.00		\$ 678,745.37 \$	(192,983.63)	-22%					106	
3	2021	General	Specific	20760	Derry NH SOC Renovation	2021	390, 391	\$ 343,793.37	\$ 396,980.00		\$ 350,900.62 \$	(46,079.38)	-12%					106	
4	2021	General	Specific	21707	PSNH-D Fac 2021 LOB	2021	390, 391	\$ 746,280.29	\$ 5,018,582.00		\$ 956,475.01 \$	(4,062,106.99)	-81%					106	
5	2021	General	Specific	21715	PSNH-D ML 2021 LOB	2021	391, 393, 398	\$ 312,862.01	\$ 619,800.00		\$ 315,987.07 \$	(303,812.93)	-49%					106	
6			•			2021	390		\$ 314,521.00		·	,	-23%					106	
0	2021	General	Specific	21759	NH Water Bottle Filling Stations			\$ 241,799.38			\$ 241,799.38 \$	(72,721.62)						100	
/	2021	General	Specific	21772	PSNH-D LED Lighitng Replacements	2021	390	\$ 79,735.87	\$ 89,219.00		\$ 80,485.75 \$	(8,733.25)	-10%					106	
8	2021	General	Specific	21790	Keene NH Quanset Hut	2021	390	\$ 265,669.26	\$ 265,140.00		\$ 265,669.26 \$	529.26	0%					106	
9	2021	General	Specific	21799	Hooksett-1250 LED Lighting	2021	390	\$ 183,769.75	\$ 599,530.00		\$ 183,769.75 \$	(415,760.25)	-69%					106	
10	2021	General	Specific	217127	55 W Brook Retaining Wall	2021	390	\$ 498,651.84	\$ 542,739.00		\$ 498,651.84 \$	(44,087.16)	-8%					106	
11	2021	General	Specific	217129	55 W Brook LED Lighting	2021	390	\$ 289,086.45	\$ 374,324.00		\$ 289,086.45 \$	(85,237.55)	-23%					106	
12		eral/Distribution	Specific	21751	Hooksett Site Circulation	2021	364, 365, 390	\$ 343,886.33	N/A		\$ 365,062.77	(83)237.337	2070					106	Shared service project. Does not reach threshold for PAF per APS-01
12												(22.075.24)	20/					100	Shared service project. Does not reach threshold for PAI per APS-01
13		Distribution	Specific	A06W42	RETROFIT CAPACITOR BANK CONTROLS	2021	368	\$ 14,182.05	\$ 1,657,825.99		\$ 1,624,850.78 \$	(32,975.21)	-2%					101	
14	2021 D	Distribution	Specific	A08N10	Portsmouth S/S - add transformer	2021	362	\$ 7,852,765.46	\$ 11,189,000.00		\$ 7,852,765.46 \$	(3,336,234.54)	-30%					101	
15	2021 D	Distribution	Specific	A14W01	EMERALD STREET SUBSTATION	2021	362	\$ 19,535,961.04	\$ 16,835,000		\$ 20,258,959.25 \$	3,423,959.25	20%					106	Supplement not needed as the direct costs were 9.5% over and below the threshold for a supplement
16	2021 D	Distribution	Specific	A17C30	PACK MONADNOCK RBLD SINGLE-PHASE LI	2021	364, 365	\$ 1,668,701.24	\$ 3,900,000.00		\$ 2,219,139.01 \$	(1,680,860.99)	-43%					101	
17	2021 D	Distribution	Specific	A17S03	MILLYARD SS REPLACEMENT	2021	360	\$ 86,983.50	\$ 14,267,000.00		\$ 5,232,049.57 \$	(9,034,950.43)	-63%					106	
18		Distribution	Specific	A19E52	DOVER UNDERGROUND BACKFEED RELOCATI	2021	366, 367, 369	\$ 731,396.08	\$ 744,000.00		\$ 808,788.78 \$	64,788.78	9%					106	
10						2021	362		\$ 410,000.00			2,848.55	1%					100	
19		Distribution	Specific	A19W55	JACKMAN SS LTC CONTROL REPLACEMENT			\$ 412,848.55			\$ 412,848.55 \$,						101	
20		Distribution	Specific	A19X20	Replace Lattice Steel Towers	2021	365	\$ 91.52	\$ 250,000.00		\$ 298,728.61 \$	48,728.61	19%					106	Supplement not needed as the direct costs were 8.6% over and below the threshold for a supplement
21	2021 D	Distribution	Specific	A19X223	ANIMAL PROTECTION AT VALLEY ST SS	2021	362	\$ 54,621.47	\$ 91,000.00		\$ 54,621.47 \$	(36,378.53)	-40%					101	
22	2021 D	Distribution	Specific	A19X61	Lawrence Road Substation	2021	362	\$ 343,023.73	\$ 792,000.00		\$ 343,023.73 \$	(448,976.27)	-57%					106	
23	2021 D	Distribution	Specific	A20C16	BOUCHARD ST RPL CBL & SWTCHGR	2021	368, 369, 371	\$ 452,840.81	\$ 544,000.00		\$ 502,180.63 \$	(41,819.37)	-8%					106	
2.4				A20C23		2021	364, 365, 367		\$ 319,000.00		\$ 230,548.12 \$		-28%					106	
24		Distribution	Specific		335X1 EXTEND 19.9kV 1P TO S. BOW RD			\$ 213,306.78				(88,451.88)						106	
25		Distribution	Specific	A20C24	INSTALL PM STEP TRNSF RTE 13 GOFFS	2021	367, 368	\$ 780,148.76	\$ 754,500.00		\$ 837,250.06 \$	82,750.06	11%					106	Supplement not needed as the direct costs were 8.4% under authorized level
26	2021 D	Distribution	Specific	A20C40	MANCHESTER NETWORK CABLE REPLACEMEN	2021	367	\$ 1,312,473.23	\$ 3,733,000.00		\$ 2,047,772.73 \$	(1,685,227.27)	-45%					106	
27	2021 D	Distribution	Specific	A20C46	317 Line ROW section rebuild	2021	34	\$ 1,418,558.38	\$ 1,393,000.00		\$ 1,479,472.44 \$	86,472.44	6%					106	
28		Distribution	Specific	A20E04	North Dover Conversion	2021	368, 369	\$ 761,830.67	\$ 936,000.00		\$ 806,615.40 \$	(129,384.60)	-14%					106	
29		Distribution	Specific	A20E47	CODFISH CORNER ROAD LOOP	2021	366, 367	\$ 476,330.41	\$ 469,000.00		\$ 499,818.44 \$	30,818.44	7%					106	
20				A20E48	FOUNDRY PLACE SWITCHGEAR	2021	367		\$ 290,400.00			82,847.08	29%					106	Supplement not needed as the direct costs were 2.1% under authorized level
30		Distribution	Specific					\$ 373,247.08			\$ 373,247.08 \$	•						100	•••
31		Distribution	Specific	A20N01	Rebuild Berlin UG system		364, 365, 366, 367	\$ 384,564.47	\$ 280,000.00		\$ 425,393.24 \$	145,393.24	52%					106	Supplement not needed as the direct costs were 8.2% over and below the threshold for a supplement
32	2021 D	Distribution	Specific	A20N15	43W1 (13W1) Construct Circuit Tie	2021	369	\$ 1,679,659.28	\$ 2,200,000.00		\$ 1,956,182.46 \$	(243,817.54)	-11%					106	
33	2021 D	Distribution	Specific	A20N45	REPLACE CT TRNSF BERLIN ES SS	2021	362	\$ 379,847.93	\$ 521,000.00		\$ 391,279.49 \$	(129,720.51)	-25%					101	
34	2021 D	Distribution	Specific	A20N50	NHDOT LINE RELOC RTE 106 LOUDON	2021	368	\$ 313,012.02	\$ 366,000.00		\$ 380,884.97 \$	14,884.97	4%					106	
35		Distribution	Specific	A20S12	Replace 3891 Cable Nashua	2021	364, 365, 366, 367	\$ 648,513.14	\$ 291,000.00		\$ 754,159.09 \$	463,159.09	159%					106	Supplement not required. Actual direct cost was \$69,115 lower than authorized
36		Distribution		A20W07	Mason Rd Relo 1500' main li to road	2021	369	\$ 332,447.97	\$ 320,000.00		\$ 341,875.63 \$	21,875.63	7%					106	Supplement not required. Actual affect cost was 505,115 lower than authorized
30			Specific															100	
37	2021 D	Distribution	Specific	A20W09	Rte 9 Relo 2800' main li to roadsid	2021	364, 365, 366, 367	\$ 596,862.99	\$ 792,000.00		\$ 662,227.76 \$	(129,772.24)	-16%					106	
38	2021 D	Distribution	Specific	A20W33	PACK MONADNOCK SUMMIT SOLUTION	2021	369	\$ 282,589.60	\$ 425,000.00		\$ 294,030.79 \$	(130,969.21)	-31%					101	
39	2021 D	Distribution	Specific	A20W34	BYRD AVE SS UPGRADES	2021	362	\$ 698,827.61	\$ 739,000.00		\$ 738,910.25 \$	(89.75)	0%					106	
40		Distribution	Specific	A20W36	SUGAR RIVER SS UPGRADES	2021	362	\$ 1,069,829.04	\$ 1,641,000.00		\$ 1,332,322.33 \$	(308,677.67)	-19%					106	
/11		Distribution	Specific	A20W44	NEWPORT SS RECLOSER PROJECT	2021	362	\$ 1,023,070.05	\$ 1,093,000.00		\$ 1,023,070.05 \$	(69,929.95)	-6%					106	
42						2021	362											100	
42		Distribution	Specific	A20X221	ANIMAL PROTECTION AT MAMMOTH SS			\$ 57,613.87	\$ 114,000.00		\$ 57,613.87 \$	(56,386.13)	-49%					101	
43		Distribution	Specific	A20X39	NH T&D IEC 61850 SIMULATOR	2021	394	\$ 1,137,446.10	\$ 2,270,000.00		\$ 1,137,446.10 \$	(1,132,553.90)	-50%					106	
44	2021 D	Distribution	Specific	A20X42	GE L90 RELAYS MOD 14 REPLACE NH D	2021	362	\$ 6,189.14	\$ 1,489,000.00		\$ 6,189.14 \$	(1,482,810.86)	-100%					106	
																			Supplement not required. Actual direct cost was \$13,709 higher than authorized. For projects with total cost less than
45	2021 D	Distribution	Specific	A21C01	REPLACE DEGRADED MANHOLE ROOFS	2021	366	\$ 64,577.94	\$ 79,000.00		\$ 112,212.05 \$	33,212.05	42%					106	\$250,000, supplement is required if variance is \$25,000 or greater.
46		Distribution	Specific	A21C25	ADD PHASES ON NEW BOSTON RD		364, 365, 367, 368	\$ 422,530.86	\$ 825,000.00		\$ 479,471.37 \$	(345,528.63)	-42%					106	
47		Distribution	Specific	A21C42	WESTLAND AVE CONVERSION	2021	364, 365, 368	\$ 93,832.05	\$ 261,000.00		\$ 120,903.48 \$	(140,096.52)	-54%					106	
40		Distribution		A21DA	2021 POLE TOP DISTRIBUTION AUTOMATI	2021	364	\$ 3,457,314.20	\$ 7,500,000.00		\$ 5,080,412.71 \$	(2,419,587.29)	-32%					106	
40			Specific															100	
49		Distribution	Specific	A21E08	CIRCUIT TIE 3191X1B TO 377X2	2021	364	\$ 485,719.24	\$ 829,000.00		\$ 534,223.56 \$	(294,776.44)	-36%					106	
50	2021 D	Distribution	Specific	A21LS	DISTRIBUTION AUTOMATION LINE SENSOR	2021	364, 365, 365	\$ 283,542.74	\$ 360,000.00		\$ 372,904.39 \$	12,904.39	4%					106	
																			Supplement not required. Actual direct cost was \$12,288 higher than authorized. For projects with total cost less than
51	2021 D	Distribution	Specific	A21N28	ROUTE 16 LINE RELOCATION NHDOT	2021	364, 365	\$ 177,559.49	\$ 169,000.00		\$ 225,781.65 \$	56,781.65	34%					106	\$250,000, supplement is required if variance is \$25,000 or greater.
52	2021 D	Distribution	Specific	A21N32	LACONIA COMCAST NONBILLABLE 2021	2021	364	\$ 105,701.94	\$ 550,000.00		\$ 163,030.08 \$	(386,969.92)	-70%					106	
53	2021 D	Distribution	Specific	A21N33	LACONIA COMCAST BILLABLE 2021	2021	365, 364	\$ (3,410.14)	\$ 1,100,000.00		\$ 1,639.45 \$	(1,098,360.55)	-100%					106	
54		Distribution	Specific	A21N34	GILFORD COMCAST NONBILLABLE 2021	2021	364	\$ 142,978.04			\$ 181,744.44 \$	• • • • • •	-72%					106	
55		Distribution	Specific	A21N88	#T1213 LOUDON PLEASANT STREET PV	2021	364, 365, 368	\$ (31,212.51)	\$ 322,000.00		\$ 37,627.54 \$	(284,372.46)	-88%					106	
55									•			• • • •						100	
56		Distribution	Specific	A21RPR	ROADSIDE REJECT POLE REPLACEMENT	2021	369	\$ 276,292.15			\$ 522,522.70 \$	(1,977,477.30)	-79%					106	
57		Distribution	Specific	A21S27	DAMREN RD CONVERSION	2021	364, 365, 368	\$ 82,376.71	\$ 214,000.00		\$ 111,838.55 \$	(102,161.45)	-48%					106	
58	2021 D	Distribution	Specific	A21S89	#T1402 & T2007 NASHUA PENNICHUCK PV	2021	364, 365, 368	\$ (9,562.19)	\$ 482,000.00		\$ (9,095.11) \$	(491,095.11)	-102%					106	
59	2021 D	Distribution	Specific	A21X18	ADD SCADA RECLOSERS TO DG SITES	2021	364, 365	\$ 95,644.94	\$ 1,000,000.00		\$ 297,000.13 \$	(702,999.87)	-70%					106	
60		General	Specific	IASC2103	PSNH Emerging Capital Security 2021	2021	390	\$ 62,184.67	N/A		\$ 62,184.67	,						106	Shared service project. Does not reach threshold for PAF per APS-01
61		General	Specific	IT20437	2020 Modern Desktop - PSNH-D	2021	391	\$ 81,854.41	N/A		\$ 81,854.41							101	Shared service project. Does not reach threshold for PAF per APS-01
63			•		·	2021			•			/7 EOA E2C 04\	000/					101	S. a. ca service projecti a cas not reach unconoid for the perhit of the
02		General	Specific	MBLEYE06	Mobileye-Fleet Safety Mechanism	2021	392	\$ 109,280.99	\$ 7,613,807.00		\$ 109,280.99 \$	(7,504,526.01)	-99%					100	
63		General	Specific	NHEDVH20	NH Elec Distrib Vehicle Purchase	2021	392	\$ 256,463.70	\$ 12,766,773.00		\$ 5,827,495.21 \$	(6,939,277.79)	-54%					106	
64		General	Specific	NHEDVH21	NH Distribution Vehicle Purchase	2021	392	\$ 6,620,817.27			\$ 7,058,700.73 \$	(555,106.27)	-7%					106	
65	2021	General	Specific	NHTOOLS	NH-Tools/Equipment-Transportation	2021	394	\$ 33,944.75	\$ 7,613,807.00		\$ 139,830.28 \$	(7,473,976.72)	-98%					106	
66	2021	General	Specific	NHTRN21	NH Training Annual Capital Project	2021	394	\$ 9,003.50	\$ 60,000.00		\$ 28,509.07 \$	(31,490.93)	-52%					106	
- -			-	2021 Total	G	-	_	\$70,328,872.83	,		γ	(,)	-,-					_••	
								Y1 0,020,01 2.03											

Total Cost (direct and indirect, includes install and cost of removal)

Col. A: Plant in Service Year

Col. B: Plant Type (Distribution/General Plant)

Col. C: Specific project, Annual program/blanket project or Speific 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 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.

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment RDJ/DLP/JJD-1 Step 3 (2021) Adjustment Page 3 of 7

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**

Specific						Annual	Supplemental	Calendar Year 2021	Actual Annual Co Annual Estimate V		Supplement to Annual Estimate Variance		Actual Annual Cost to Supplement Variance					
<u>Line</u>	<u>Year</u>	Plant Type	Project Type		Project Description	Plant Account(s)	2021 P	lant in Service	<u>Authorization</u>	Authorization	Year to Date Costs	<u>(\$)</u>	%	<u>(\$)</u>	%	<u>(\$)</u>	%	<u>Explanation</u>
	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	<u> </u>
1	2021	Distribution	Annual	C01SPA01	JOINT POLES PURCHASE & SALE	364	\$	49,351.77 \$	459,000.00	9	\$ (40,911.70) \$	(499,912)	-108.9%					
2	2021	Distribution	Annual	C03CTV	CABLE TV PROJECTS ANNUAL	364, 365, 366, 367, 368, 369	\$	459,776.79 \$	941,000.00	9	\$ 434,606.28 \$	(506,394)	-53.8%					
3	2021	Distribution	Annual	C03DOT	NHDOT PROJECT PROGRAM	364, 365, 366, 367, 368, 369, 373	\$	59,700.75 \$	2,190,000.00	9	329,366.86 \$	(1,860,633)	-85.0%					
4	2021	Distribution	Annual	C03TEL	TELEPHONE PROJECTS ANNUAL	364, 365, 366, 367, 368, 369	\$	254,181.35 \$	641,000.00	9	\$ 231,370.77 \$	(409,629)	-63.9%					
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	96.8% \$	137,248.00	98.0% \$	(1,680)	-1.2%	
6	2021	Distribution	Annual	HPS9R	ROADWAY LIGHTING	366, 369, 371, 373	\$	58,646.15 \$	304,000.00		\$ 116,754.00 \$	(187,246)	-61.6%					
7	2021	Distribution	Annual	DA9R	NON-ROADWAY LIGHTING	364, 365, 369, 371	\$	172,773.61 \$	422,000.00	:	\$ 320,670.00 \$	(101,330)	-24.0%					
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)	-85.3%					
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)	-6.0%					
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	104.7% \$	1,020,000.00	88.1% \$	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	9	\$ 6,213,643.02 \$	1,213,643	24.3%					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	9	\$ 14,527,162.00 \$	(1,483,838)	-9.3%					
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	80.2% \$	2,237,000.00	74.6% \$	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)	-81.8%					
15	2021	Distribution	Annual	DS9RD1	2021 NH D SS Annual (Operations)	362	\$	19,481.47 \$	1,000,000.00	:	\$ 266,093.37 \$	(733,907)	-73.4%					
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)	-3.5%					
17	2021	Distribution/General	Annual	DS9RS	NH D SS Planned Annual (Eng.)	362	\$	215,441.93 \$	699,000.00	!	\$ 103,766.99 \$	(595,233)	-85.2%					
18	2021	Distribution	Annual	DSPP8001	DG ENG DESIGN & CONSTR	364, 365, 367, 368, 369	\$	(165,766.23) \$	-	!	\$ (60,679.74) \$	(60,680)	0.0%					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	26.4% \$	3,058,958.00	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)	-41.1%					
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	89.5% \$	75,000.00	100.0% \$	(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	42.1%					
23	2021	Distribution/General	Annual	GM9R	NH D SS Capital Tool Annual	362, 389, 390	\$	92,965.84 \$	345,000.00	9	\$ 74,331.83 \$	(270,668)	-78.5%					
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	522.2% \$	525,000.00	525.0% \$	(2,831)	-2.8%	
25	2021	General	Annual	GT9R	Tools and Equipment-Troubleshooter	394	\$	44,875.14 \$	595,000.00	9	\$ 490,996.62 \$	(104,003)	-17.5%					
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)	-29.1%					
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)	-13.2%					
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	34.6% \$	271,000.00	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	223.0% \$	448,000.00	221.8% \$	2,539	1.3%	
30	2021	Distribution	Annual	NHLC03	NH LINE CONTRACTORS	364	\$	74,519.32 \$	300,000.00	:	\$ 249,950.41 \$	(50,050)	-16.7%					
31	2021	Distribution	Annual	NHMTR21	NH Annual Meter Project for 2021	370	\$	1,980,020.32 \$	32,085,365.00	:	\$ 1,948,615.21 \$	(30,136,750)	-93.9%					
32	2021	Distribution	Annual	PT9R	TEMPORARY WORK - NH	364, 365, 368, 369	\$	67,351.19 \$	250,000.00	:	\$ 144,080.00 \$	(105,920)	-42.4%					
33	2021	Distribution	Annual	PW9R	PRIVATE WORK - PSNH	364, 365, 360, 369	\$	160,660.04 \$	350,000.00	:	\$ 246,598.00 \$	(103,402)	-29.5%					
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)	-35.4%					
36	2021	Distribution	Annual	A07X98	NESC CAPITAL REPAIRS	365, 366, 367	\$	5,862.38 \$	13,119,164.00	:	\$ 794.84 \$	(13,118,369)	-100.0%					
37	2021	Distribution	Annual	A10X04	DIRECT BURIED CABLE INJECTION	365,366,367	\$	41.52 \$	-	:	; -							
38	2021 2021 Total	Distribution	Annual	STORMCAP	NH STORM CAPITALIZATION	362, 364, 365, 367, 368, 371, 373	\$	1,257,544.79 \$ \$44,055,579.79	1,700,000.00	9	\$ 114,138.53 \$	(1,585,861)	-93.3%					

Definitions:

Col. A: Plant in Service Year

Col. B: Plant Type (Distribution/General Plant)

Col. C: Specific project, Annual program/blanket project or Speific 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)								
			Specific		First in Service			Pre-Construction	Supplemental	As of 12/31/21 Actual Project	Actual Final Co		Suppleme Pre-Construction Es		Actual Final Cos Supplement Vari	
Line Year 1 Col. A	<u>Plant Type</u> Col. B	Project Type Col. C	<u>Project No.</u> Col. D	<u>Project Description</u> Col. E	<u>Event</u> Col. F	<u>Plant Account(s)</u> Col G.	2021 Plant in Service Col. H	<u>Authorization</u> Col. I	<u>Authorization</u> Col. J	<u>Life to Date Costs</u> Col. M	<u>(\$)</u> Col. N	<u>%</u> Col. O	<u>(\$)</u> Col. P	<u>%</u> Col. Q	<u>(\$)</u> Col. R	<u>%</u> Col. S
2 2021	General	Carryover	16707	PSNH Fac Bldg Structures LOB	2016	390, 391	\$ 1,382.33 \$	11,673,356.00		\$ 597,887.45 \$	(11,075,468.55)	-95%	- Com 1	55.11 Q		- CO O
3 2021 4 2021	General General	Carryover Carryover	17707 18707	PSNH Facilities Bldg Structures LOB 2018 FAC LOB Bldg & GP	2017 2018	390, 391, 397 390,394,396,397	- \$ (10.07) <u>\$</u> \$ (12,102.83) \$	652,259.00 2,784,940	:	5 715,621.63 \$ 5 2,711,317.00 \$	63,362.63 (73,623.00)	10% -3%				
5 2021	General	Carryover	18734	Garage Addition	2019	390	\$ (3,757.35) \$	800,000		\$ 918,074.86 \$	118,074.86	15%				
6 2021	General General	Carryover	18740 19707	Cafe Renovations	2018	390, 391 390, 391, 394, 398	_ \$ (269.29) <u>\$</u> \$ (124,599.21) \$	500,000 1,246,500	:	557,288.00 \$	57,288.00 (12,719.00)	11% -1%				
7 2021 8 2021	General	Carryover Carryover	20707	2019 PSNHD Fac LOB proj under \$500k PSNH-D Fac 2020 LOB	2019 2020	390, 391, 394, 398	_ \$ (124,599.21) <u>\$</u> \$ 731,197.36 \$	3,436,314		\$ 1,233,781.00 \$ \$ 1,610,733.72 \$		-1% -53%				
9 2021	General	Carryover	20715	PNSH-D ML 2020 LOB	2020	392, 393	\$ 111,577.04 \$	328,980	:	\$ 315,447.00 \$	(13,533.00)	-4%				
10 202111 2021	General General	Carryover Carryover	20739 20765	Berlin NH Yard Paving Front Office Life Safety Upgrade	2020 2020	390 390	\$ 269,799.29 \$ \$ 9,089.33 \$	298,408.00 305,186.00		\$ 298,407.76 \$ \$ 320,825.35 \$	(0.24) 15,639.35	0% 5%				
12 2021	General	Carryover	19CGVE06	2019 CG Vehicles for NH	2019	392	\$ 182,243.32	N/A	:	\$ 182,243.32	13,033.33	370				
13 2021	General	Carryover	20CGVE06	2020 CG Vehicles for NH	2020	392	\$ 159,542.80	N/A	!	159,542.80	(544.050.00)	700/				
14 202115 2021	General Distribution	Carryover Carryover	6DCIP A08W49	NH Avigilon Intrusion Detection KEENE DOWNTOWN UG REPLACEMENT PROJ	2019 2020	362, 390 366, 367, 369	\$ 87,438.25 \$ \$ (109,120.85) \$	701,000.00 4,712,000		\$ 189,139.91 \$ \$ 4,360,485.18 \$	(511,860.09) (351,514.82)	-73% -7%				
16 2021	Distribution	Carryover	A16C10	JACKMAN - REPLACE OBSOLETE EQUIPMEN	2018	362	\$ 90.79 \$	5,400,000.00	\$ 7,155,259		1,749,597.22	32% \$	1,755,259	33% \$	(5,662)	0%
17 2021	Distribution	Carryover	A16N01	11W1 - Replace Submarine Cable	2020	364, 365, 367	\$ (148,109.89) \$	1,917,000	ć 5.750.440 ·	\$ 1,720,546.07 \$	(196,453.93)	-10%	4 047 440	470/ 6	467.620	20/
18 202119 2021	Distribution Distribution	Carryover Carryover	A16N02 A16X04	Second transformer at Lost Nation S CAIDI IMPROVEMENT	2019 2016	362, 364, 365 364, 365, 366, 367	\$ (52,558.29) \$ \$ 46,975.07 \$	3,912,000 1,011,363	\$ 5,759,118 \$ \$ 1,959,363		2,014,756.97 789,242.56	52% \$ 78% \$	1,847,118 948,000	47% \$ 94% \$	167,639 (158,757)	3% -8%
20 2021	Distribution	Carryover	A17C26	328 LINE RECONDUCTOR	2019	364	\$ (590,642.80) \$	4,263,997	\$ 4,737,122		590,455.62	14% \$	473,125	11% \$	117,331	2%
21 2021	Distribution	Carryover	A17E01	RYE AREA 4KV STUDY	2019	364, 365, 367, 369	\$ (1,737.48) \$	1,859,000	\$ 4,672,000		2,548,903.74	137% \$	2,813,000	151% \$	(264,096)	-6%
22 202123 2021	Distribution Distribution	Carryover Carryover	A17E05 A17E09	TWOMBLEY SS REBUILD ROCHESTER 4KV CONVERSION	2020 2020	362 369	\$ 11,184.31 \$ \$ 1,178,011.69 \$	6,296,000 5,234,000		5,979,084.13 \$ 7,875,563.03 \$	(316,915.87) 2,641,563.03	-5% 50%				
24 2021	Distribution	Carryover	A17N18	LACONIA SS EQUIPMENT REPLACEMENT	2020	362	\$ 10,034.48 \$	3,550,000	!	\$ 4,378,054.94 \$	828,054.94	23%				
25 2021	Distribution	Carryover	A17W19	NORTH RD SS EQUIPMENT REPLACEMENT	2019	362	\$ 29,463.80 \$	1,758,489	\$ 2,102,000	\$ 2,387,757.54 \$	629,268.54	36% \$	343,511	20% \$	285,758	14%
26 202127 2021	Distribution Distribution	Carryover Carryover	A18C02 A18DA	BEDFORD SS PLC AUTOMATION SCHEME Distribution Automation - Pole Top	2020 2018	362 366, 369	\$ 9,259.17 \$ \$ 109,757.89 \$	2,888,000 17,500,000		\$ 3,085,282.26 \$ \$ 19,433,274.87 \$	197,282.26 1,933,274.87	7% 11%				
28 2021	Distribution	Carryover	A18N05	Pemi SS Upgrade	2020	362	\$ (17,614.12) \$	6,817,000	\$ 7,729,000	7,488,012.29 \$	671,012.29	10% \$	912,000	13% \$	(240,988)	-3%
29 2021	Distribution	Carryover	A18W11	316X1 CIRCUIT TIE EASTMAN DEVELOPME	2019	364, 365, 366, 367, 369 364, 365, 367		1,091,000	:	1,015,545.79 \$	(75,454.21)	-7%				
30 202131 2021	Distribution Distribution	Carryover Carryover	A18W17 A18W22	EMERALD ST LINE WORK Peterborough Roadway and Bridge Pro	2020 2019	364, 365, 367 364, 365, 366, 367, 369	\$ 181,302.14 \$ \$ 3,984.84 \$	785,000 364,000		\$ 259,148.83 \$ \$ 527,646.91 \$	(525,851.17) 163,646.91	-67% 45%				
32 2021	Distrib/General	Carryover	A19DA	Distribution Automation - Pole Top	2019	366, 369, 392	\$ 47,089.06 \$	16,743,000	:	17,718,998.58 \$	975,998.58	6%				
33 2021	Distribution	Carryover	A19E11	Circuit Ties-Wakefield 362 to 3157	2019	364	\$ (31,003.69) \$	2,700,000		\$ 2,885,517.08 \$	185,517.08	7%				
34 202135 2021	Distribution Distribution	Carryover Carryover	A19E41 A19LS	REPLACE LTC CONTROLS AT MADBURY SS Distribution Automation - Line Sens	2020 2020	362 365	\$ 5,762.64 \$ \$ 9,500.91 \$	464,000 180,000		\$ 493,253.69 \$ \$ 128,341.78 \$	29,253.69 (51,658.22)	6% -29%				
36 2021	Distribution	Carryover	A19N12	Circuit Ties - Laconia 310 to 345	2020	364	\$ 20,620.23 \$	3,000,000	:	2,725,812.15 \$	(274,187.85)	-9%				
37 2021	Distribution	Carryover	A19W03	Repl open wire w/ Spacer cble Rt 63	2020	364	\$ 223.50 \$	1,000,000	\$ 1,668,000	5 1,663,458.14 \$	663,458.14	66% \$	668,000	67% \$	(4,542)	0%
38 2021 39 2021	Distribution Distribution	Carryover Carryover	A19X32 A19X351	NH LATERAL INITIATIVE LONG HILL SS 34.5kV CAP BANK SWITCH	2020 2020	365 362	\$ 20,434.84 \$ \$ 9,895.37 \$	5,000,000 756,000		5,706,586.94 \$ 5 860,164.71 \$	706,586.94 104,164.71	14% 14%				
0 2021	Distribution	Carryover	A19X3601	REEDS FERRY SS OCB REPLACEMENT	2020	362	\$ 60,690.97 \$	2,239,000	:	2,665,617.08 \$	426,617.08	19%				
1 2021	Distribution	Carryover	A20DA	DISTRIBUTION AUTOMATION POLE TOP	2020	364, 365, 367, 368, 369	\$ 2,799,262.88 \$	12,000,000		\$ 12,332,996.74 \$	332,996.74	3%				
2 20213 2021	Distribution Distribution	Carryover Carryover	A20E25 A20E43	OFFLOAD 63W1 AT E. NORTHWOOD East Northwood SS Regulator Replace	2020 2020	369 361, 362	\$ 3,489.65 \$ \$ 6,971.13 \$	371,000 313,000		\$ 415,490.66 \$ \$ 188,504.58 \$	44,490.66 (124,495.42)	12% -40%				
14 2021	Distribution	Carryover	A20LS	DISTRIBUTION AUTOMATION LINE SENSOR	2020	364, 365, 365	\$ 78,639.18 \$	180,000	:	\$ 219,669.94 \$	39,669.94	22%				
5 2021	Distribution	Carryover	A20N29	LACONIA COMCAST NON-BILLABLE 2020	2020	364	\$ 237,306.94 \$	550,000	!	5 505,939.58 \$	(44,060.42)	-8%				
46 2021 47 2021	Distribution Distribution	Carryover Carryover	A20N30 A20N31	LACONIA COMCAST BILLABLE 2020 GILFORD COMCAST NON-BILLABLE 2020	2020 2020	364 364	\$ (365,111.48) \$ 136,975.34 \$	N/A 660,000		\$ (394,957.54) \$ 427,381.32 \$	(232,618.68)	-35%				
48 2021	Distribution	Carryover	A20N32	GILFORD COMCAST BILLABLE 2020	2020	364	\$ (2,248.84)	N/A	:	(52,649.78)	(===,====,	3373				
49 2021	Distribution	Carryover	A20S06	3159X Extend 3 Phase Boston Post Rd	2020	364, 365, 369	\$ (42,378.42) \$	313,000	!	\$ 282,392.67 \$	(30,607.33)	-10%				
50 2021 51 2021	Distribution Distribution	Carryover Carryover	A20S17 A20W08	DB CBLE REPLACE MAPLE HILL ACREA 3155X6 feed from the 3155X9	2020 2020	364, 365, 366, 367, 369 364	\$ (714.00) \$ \$ (3,383.70) \$	1,287,000 659,000		\$ 1,065,899.67 \$ \$ 600,410.42 \$	(221,100.33) (58,589.58)	-17% -9%				
52 2021	Distribution	Carryover	A20W35	SPRING STREET SS UPGRADES	2020	361, 362	\$ 24,690.68 \$	1,231,000	:	\$ 1,315,079.44 \$	84,079.44	7%				
3 2021	Distribution	Carryover	D1276A	Distribution Design for F107 Projec	2020	364, 365, 366, 367, 369	\$ 48,779.53	N/A	:	30.15						
4 2021 5 2021	Distribution Distribution	Carryover Carryover	D1338A D1382A	DISTRIBUTION DESIGN L176 LINE REPLA Rochester S/S Relays	2020 2020	364, 365 362	\$ 266.85 \$ 86,914.58	N/A N/A		86,914.58						
6 2021	Distribution	Carryover	NHMTR20	NH Annual Meter Project for 2020	2020	370	\$ 6,265.41 \$	2,950,892	:	\$ 1,981,385.35 \$	(969,506.65)	-33%				
57 2021	Distribution	Carryover	R18CTC01	W185 - 4W1 CIRCUIT TIE	2019 2019	364, 365, 367, 368, 369 361, 362	\$ (47,753.41) \$	1,240,000	ć 101 000	1,312,780.38 \$	72,780.38	6% 72% \$	91 000	740/ Ċ	(1.960)	10/
8 2021 9 2021	Distribution Distribution	Carryover Carryover	6DCIP A12X02	NH Avigilon Intrusion Detection SUBSTATION GROUND GRID UPGRADES	2019	361, 362 361, 362	\$ (86,235.08) <u>\$</u> \$ (2,276.92) \$	110,000 2,678,700	\$ 191,000	\$ 189,139.91 \$ \$ 1,652,694.73 \$	79,139.91 (1,026,005.27)	-38%	81,000	74% \$	(1,860)	-1%
0 2021	Distribution	Carryover	A14N21	BERLIN EASTSIDE 34.5KV LINE BREAKER	2017	362	\$ (244,631.29) \$	3,646,037	:	\$ 3,698,786.39 \$	52,749.39	1%				
1 2021	Distribution	Carryover	A14W02	DANIEL SS (WEBSTER)-34.5KV SS UPGRD	2018	361, 362	\$ 204.86 \$	19,690,419	:	19,592,526.70 \$		0%				
2 2021 3 2021	Distribution Distribution	Carryover Carryover	A15CDA A17C17	CENTRAL REGION 2015 DA CIRCUIT TIE 3115X12 TO 3615X1	2019 2018	364, 365 364	\$ 4,114.62 \$ \$ (19,086.22) \$	5,584,945 2,700,000		\$ 4,867,901.26 \$ \$ 2,117,689.47 \$	(717,043.74) (582,310.53)	-13% -22%				
4 2021	Distribution	Carryover	A17N02	MESSER ST - REPLACE TB70	2019	361	\$ 8,475.08 \$	5,329,000	\$ 5,992,000	\$ 6,182,496.87 \$	853,496.87	16% \$	663,000	12% \$	190,497	3%
5 2021 6 2021	Distribution Distribution	Carryover	A17N22 A18W13	Beebe River SS Cap Switcher Replace Route 9 Roxbury-Sullivan 10439	2019 2018	361, 362 364	\$ 1,903.39 \$ \$ 8,697.82 \$	986,000 590,000	:	\$ 1,019,739.45 \$ \$ 679,048.95 \$	33,739.45 89,048.95	3% 15%				
7 2021	Distribution	Carryover Carryover	A18W13 A18X18	ROW Hardening/Reconductoring	2018	364, 365	\$ 8,697.82 \$	440,000		\$ 248,732.69 \$	(191,267.31)	-43%				
8 2021	Distribution	Carryover	A19W10	Relocate feed to Hinsdale Wastewat	2019	364, 365, 366, 367	\$ 260.36 \$	250,000	\$ 292,000	\$ 328,659.68 \$	78,659.68	31% \$	42,000	17% \$	36,660	13%
69 2021 '0 2021	Distribution Distribution	Carryover	C18ROW R15CTC	NH Full Width ROW Clearing Circuit Tie Construction	2018 2017	365 364, 365	\$ 4,626.43 \$ \$ 1,748.79 \$	2,841,498.00 8,523,222		\$1,394,052 \$ \$ 8,474,726.29 \$		-51% -1%				
1 2021	Distribution Distribution	Carryover Carryover	R15CIC R15HLR	Heather-Lite Replacement	2017	364, 365 364, 365	\$ 1,748.79 \$ \$ (1,122.67) \$	2,150,015		\$ 8,474,726.29 \$ \$ 1,480,289.37 \$	(48,495.71) (669,725.63)	-1% -31%				
2 2021	Distribution	Carryover	R15RPR	Reject Pole Replacement	2017	364, 365, 369	\$ (1,308.71) \$	8,695,000	:	\$ 8,586,598.08 \$	(108,401.92)	-1%				
3 2021	Distribution	Carryover	R15SDA	REP3 -2015-2017 Southern Re	2016	364, 365 365	\$ 629.64 \$	5,504,000	:	5,401,353.08 \$	(102,646.92)	-2% -5%				
4 2021 5 2021	Distribution Distribution	Carryover Carryover	R16LS R17CTC	2016 Line Sensor Project REP 4 CIRCUIT TIES	2016 2018	365 364, 365, 366, 367, 369	\$ 592.21 \$ \$ (2,302.07) \$	395,000 3,922,000		\$ 373,921.26 \$ \$ 3,720,160.09 \$	(21,078.74) (201,839.91)	-5% -5%				
5 2021	Distribution	Carryover	R17DA	REP 4 POLE TOP DA	2017	364, 365, 369	\$ 272.51 \$	2,340,000		\$ 2,119,989.95 \$	(220,010.05)	-9%				
2021	Distribution	Carryover	R17HLDR	REP 4 CIRCUIT RELIABILITY IMPROVE	2017	364, 365 360	\$ 207.82 \$	785,000	ć 2.000.000	793,165.85 \$	8,165.85	1%	F2F 222	350/ 4	/F2 F74	201
2021 2021	Distribution Distribution	Carryover Carryover	R18CTC02 ROWLR	3178X CIRCUIT TIE HINSDALE ROW Relocations - Reimbursable	2019 2018	369 364, 365	\$ (24,112.40) <u>\$</u> \$ (1,369.01)	1,534,000 N/A	\$ 2,069,000	\$ 2,016,428.75 \$ \$ (26,540.93)	482,428.75	31% \$	535,000	35% \$	(52,571)	-3%
2021	Distribution	Carryover	STRM0617N	NH STORM CAP: Oct 29, 2017 event	2017	364, 365, 369, 373	\$ 381.98 \$	1,949,600		\$ 2,002,613.85 \$	53,013.85	3%				
2021	Distribution	Carryover	UB0836	SO. ST. MILFORD REPL OH WITH UNDERG	2018	369 364	\$ (1,639.14)	N/A	:	31,268.99	50 225 2 -					
2021	Distribution Distribution	Carryover Carryover	A20W13 A20W14	3410 and 315 Circuit Tie 24X1 and 313X1 Circuit Tie	2020 2020	364 369	\$ 1,191,270.22 \$ \$ 166,304.58 \$	1,350,000.00 2,800,000.00	:	\$ 1,409,938.26 \$ \$ 2,219,100.51 \$	59,938.26 (580,899.49)	4% -21%				
2021	Distribution	Carryover	A20X38	2020 CIRCUIT PATROL REPAIRS	2020	364	\$ 1,676,237.92 \$	2,195,000.00	\$ 2,902,000	\$ 2,670,607.21 \$	475,607.21	22% \$	707,000	32% \$	(231,393)	-8%
5 2021	Distribution	Carryover	A15SDA	SOUTHERN REGION 2015 DA	2016	364, 365	\$ 60,435.26 \$	6,742,423.00	:	4,049,865.91 \$		-40%				
6 2021 7 2021	Distribution General	Carryover Carryover	A19S06 IASC1904	Replace Conductor Route 13 Amherst 1580 CIP PSP Expansion	2020	364, 365 397	\$ 50.40 \$ \$ 1,414.91	1,413,000.00 N/A	:	\$ 1,877,123.42 \$ \$ 28,330.25	464,123.42	33%				
7 2021 8 2021	General	Carryover	IASC1904 IASC2003	PSNH Emerging Capital Security 2020	2020	390	\$ 16,343.82	N/A N/A		\$ 92,457.85						
9 2021	General	Carryover	IASIDS06	IAS IDS Upgrades - NH	2016	390	\$ 46,548.56	N/A	:	\$ 46,548.56						
0 2021 1 2021	General General	Carryover Carryover	IASNVR06 IT19433	IAS NVR Replacements - NH Lifecycle PC Replacements-237	2017 2020	390 391	\$ 118,236.54 \$ 367,211.56	N/A N/A	!	\$ 118,236.54 \$ 367,211.56						
91 2021	General	Carryover	NHTRN20	NH Training Annual Capital Project	2020	391 394	\$ 367,211.56 \$ 46,972.52 \$	•		\$ 367,211.56 \$ 46,972.52 \$	(116,027.48)	-71%				
		Carryover	R15TDA	TELECOM EXPANSION TO SUPPORT DA	2017	362,390,394,397	\$ 7,699.17 \$	2,562,000.00		2,723,084.75 \$	161,084.75	6%				
93 202194 2021	General General	Carryover	WANTW6DC	ANNUAL TOWER- REPLACEMENT-NH	2017	397	\$ 36,695.59	N/A		\$ 247,170.52						

<u>**Definitions:**</u> Col. A: Plant in Service Year

Col. B: Plant Type (Distribution/General Plant)

Col. C: Specific project, Annual program/blanket project or Speific carryover project with trailing charges

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment RDJ/DLP/JJD-1 Step 3 (2021) Adjustment Page 5 of 7

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 Cos	Total Cost (direct and indirect, includes install and cost of removal)							
										As of 12/31/21	Actual Fina	l Cost to	Suppler	ment to	Actual Fina	Cost to		
	Specific			First in Service				Supplemental	Actual Project	Pre-Construction Estimate Variance		Pre-Construction Estimate Variance		Supplement Variance		GL Account		
<u>Line</u>	<u>Year</u>	Plant Type	Project Type	Project No.	Project Description	<u>Event</u>	Plant Account(s)	2021 Plant in Service	<u>Authorization</u>	<u>Authorization</u>	Life to Date Costs	<u>(\$)</u>	<u>%</u>	<u>(\$)</u>	<u>%</u>	<u>(\$)</u>	<u>%</u>	106 or 101
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: Intern	al Compa	ny project identif	fier															

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.

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment RDJ/DLP/JJD-1 Step 3 (2021) Adjustment Page 6 of 7

Explanation Col. U

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

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment RDJ/DLP/JJD-1 Step 3 (2021) Adjustment Page 7 of 7

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

Table of Contents

I.	INTRODUCTION	1
II.	SETTLEMENT AGREEMENT REQUIREMENTS	4
III.	REVENUE REQUIREMENT CALCULATION	6
IV	RATE CALCULATIONS	7

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 Page 1 of 7

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 REOUEST 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
- positions leading to the Director of Corporate Accounting and Financial Reporting. I
- moved to the Regulatory and Revenue Requirements team in my current position in June
- 2021. I have been with Eversource Energy for over 18 years.

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 Page 2 of 8

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
- implementation of revenue requirements calculations and regulatory filings for the
- 4 Connecticut and New Hampshire electric and gas subsidiaries of Eversource Energy,
- 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
- 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
- and rates administration for Connecticut, Massachusetts and New Hampshire electric and
- gas subsidiaries of Eversource Energy, including the Company.

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 Page 3 of 8

- Q. Did you previously sponsor testimony in this docket that contains additional information on your professional experience and educational backgrounds?
- A. Yes. I previously submitted direct testimony as part of the (i) Company's temporary rate 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?

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

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 Page 4 of 8

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:

Attachment	Description
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

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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 adjustments.
- 11 A. Section 10 of the Settlement Agreement provides for three step adjustments. This
- testimony supports the third of those adjustments. Under the Settlement Agreement, this
- step recovers the costs associated with capital projects placed in service during calendar
- year 2021, excluding new business projects. That is, it excludes projects that were done to
- support new business on the basis that such projects are expected to support themselves
- through newly generated revenue.
- In accordance with Section 10.1(c)(i) of the Settlement Agreement, the third step
- adjustment is capped at \$9.3 million in allowed revenue requirement. Any revenue

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 Page 5 of 8

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

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

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

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

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

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 Page 6 of 8

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

III. REVENUE REQUIREMENT CALCULATION

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- Q. Based on the general understandings stated above, please explain how you calculated the revenue requirement for the projects for which the Company is seeking recovery in this step adjustment.
- 7 A. As summarized in Attachment MBP/EAD-1, page 1, the revenue requirement for the Step 3 adjustment was calculated by first computing the year-over-year net change in plant 8 between the year ending December 31, 2020 and the year ending December 31, 2021 as 9 shown on line 5. Then, the return on the net change in plant was calculated as shown on 10 line 8 using the rate of return and gross revenue conversion factor. Depreciation and 11 property taxes were added to calculate the total revenue requirement of \$10,372,595. 12 Because the calculated revenue requirement was above the Step 3 capped threshold of \$9.3 13 million, the Company's request is limited to the \$9.3 million capped amount for this Step 14 3 increase. 15
 - Page 2 of Attachment MBP/EAD-1 provides more detail on the distribution plant placed in service, excluding new business. The detail of the 2021 Distribution plant additions included in line 7 are provided by project in the Johnson/Plante/Devereaux testimony.
- Page 3 of Attachment MBP/EAD-1 provides the detail on the cost of capital structure as provided in the Settlement Agreement.
- Page 4 of Attachment MBP/EAD-1 provides the computation of the Gross Revenue Conversion Factor ("GRCF") based on the New Hampshire corporate business tax rate of

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 Page 7 of 8

- 7.7 percent and the federal corporate income tax rate of 21 percent for the taxable period ending December 31, 2021. The rate of return and GCRF are used to calculate the return on the net plant.
- Page 5 of Attachment MBP/EAD-1 provides the detail behind the calculation of the composite depreciation rate of 3.15 percent used to apply a depreciation factor to the revenue requirement.
- Page 6 of Attachment MBP/EAD-1 provides the computation of the property tax rate to apply to the revenue requirement.

9 IV. RATE CALCULATIONS

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

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

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 Page 8 of 8

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

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

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

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.

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 1 of 6

CALCULATION OF STEP ADJUSTMENT #3 (EXCLUDES NEW BUSINESS)

Line	Description		Year-Ending 12/31/2020	(et	ffective 8/1/2022) Year-Ending 12/31/2021	Attachment/Reference
Line	Description		(A)		(B)	Attachment/Reference
1 2 3	Total Utility Plant in Service Accumulated Provision for Depreciation Net Utility Plant	\$	2,345,505,174 633,383,629 1,712,121,545	\$	2,448,011,579 670,563,352 1,777,448,227	MBP/EAD-1, Page 2, Line 1 MBP/EAD-1, Page 2, Line 2 Line 1 - Line 2
4 5	Gross Plant Change (year over year) Net Plant Change (year over year)			\$ \$	102,506,405 65,326,682	Line 1 Col. (B) - Line 1 Col. (A) 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				1.37142	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			\$	10,372,595	Line 8 + Line 10 + Line 12
14	Step 3 Revenue Requirement Capped Am	oun	t	\$	9,300,000	DE 19-057 Settlement, Section 10.1(c)(i), Bates Page 20
15	Step 3 Revenue Increase (\$000s)			\$	9,300	If (Line 13 > Line 14), (Line 14 / 1000)

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 2 of 6

DISTRIBUTION PLANT

			Year-Ending	Year-Ending	
Line	Description		12/31/2020	12/31/2021	Reference
			(A)	(B)	
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	\$	1,712,121,545	\$ 1,777,448,227	Line 1 - Line 2
4	Gross Distribution Plant Change (year over year)			\$ 102,506,405	Line 1 Col. (B) - Line 1 Col. (A)
5	Net Distribution Plant Change (year over year)			\$ 65,326,682	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	\$	2,345,505,174	\$ 2,448,011,579	Line 6 + Line 7 + Line 8
	•	_	•		

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 3 of 6

COST OF CAPITAL

		Fixed		Rate of	
Line	Description	Percentage	Cost	Return	Reference
		(A)	(B)	$(C) = (A) \times (B)$	
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

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 4 of 6

COMPUTATION OF GROSS REVENUE CONVERSION FACTOR

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

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 5 of 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

1 2 3 3 4 4 5 5 6 6 7 3 3 4 4 5 5 6 6 7 7 3 3 6 9 9 3 3 1 1 1 1 1 1 2 1 1 3 1 4 1 5 1 6 6 7 1 3 1 6 7 1 7 1 8 1 8 1 9 1 9 1 1 1 1 1 1 2 1 1 3 1 1 4 1 5 1 6 6 7 1 7 1 8 1 8 1 9 1 9 1 1 1 1 1 1 1 1 1 1 1 1	303.00 303.00 303.00 303.20 361.00 362.00 362.10 364.00 365.00 366.00 366.00 369.10 369.10 369.10 373.00	ELECTRIC PLANT INTANGIBLE PLANT MISCELLANEOUS INTANGIBLE PLANT - AMR MISCELLANEOUS INTANGIBLE PLANT - AMR MISCELLANEOUS INTANGIBLE PLANT - 10 YEAR TOTAL INTANGIBLE PLANT - 10 YEAR TOTAL INTANGIBLE PLANT DISTRIBUTION PLANT LAND AND LAND RIGHTS STRUCTURES AND IMPROVEMENTS STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM POLES, TOWERS AND FIXTURES OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUIT UNDERGROUND CONDUIT UNDERGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES STREET LIGHTING AND SIGNAL SYSTEMS	75-R4 75-R3 75-R4 75-R3 75-R4 75-R3 55-80.5 55-R1 60-R2 54-R1.5 40-S0 44-R2 55-R1.5 18-L1 18-L1	0 0 0 0 (25) (25) (25) 0 (90) (35) (40) (40) (2) (125) (125)	18,278,819.53 2,864,448.00 31,771,797.33 52,915,064.86 4,123,039.65 26,387,975.26 303,092,439.65 3,155,937.71 303,587,829.37 582,095,624.35 38,757,668.49 133,741,822.05 262,481,157.73	1,769,835 95,483 486,807 2,352,125 54,836 438,700 6,895,353 126,238 10,901,646 14,302,089 906,154	9.68 3.33 1.53 4.45	45,868,791 2,204,822 6,187,652 65,238,205 1,015,444
2 3 4 5 5 6 6 7 3 3 4 9 9 3 10 11 11 12 13 14 15 15 3 16 3 18 3 19 9 3 2 1 18 3 19 9 3 3 1 18 19 19 3 3 19 19 20 3 19 20 3 19 20 3 19 3 19 20 3 19 3 19 3 19 3 19 3 19 3 19 3 19 3 1	303.00 303.00 303.20 360.20 361.00 362.00 362.10 364.00 365.00 366.00 367.00 368.00 369.20 370.00 370.00 371.00	INTANGIBLE PLANT MISCELLANEOUS INTANGIBLE PLANT MISCELLANEOUS INTANGIBLE PLANT - AMR MISCELLANEOUS INTANGIBLE PLANT - 10 YEAR TOTAL INTANGIBLE PLANT DISTRIBUTION PLANT LAND AND LAND RIGHTS STRUCTURES AND IMPROVEMENTS STATION EQUIPMENT STATION EQUIPMENT STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM POLES, TOWERS AND FIXTURES OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUIT UNDERGROUND CONDUIT UNDERGROUND SERVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	5-SQ 5-SQ 10-SQ 10-SQ 75-R4 75-R3 55-S0.5 25-R2.5 53-R0.5 55-R1 60-R2 44-R2 55-R1.5 18-L1	0 0 (25) (25) (25) 0 (90) (35) (40) (40) (2) (125) (125)	18,278,819.53 2,864,448.00 31,771,797.33 52,915,064.86 4,123,039.65 26,387,975.26 303,092,439.65 3,155,937.71 303,587,829.37 582,095,624.35 38,757,668.49 133,741,822.05	1,769,835 95,483 486,807 2,352,125 54,836 438,700 6,895,353 126,238 10,901,646 14,302,089	9.68 3.33 1.53 4.45 1.33 1.66 2.28 4.00	14,600,391 2,660,846 28,607,554 45,868,791 2,204,822 6,187,652 65,238,205 1,015,444
4 5 5 6 7 8 3 3 9 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	360.20 361.00 362.00 362.10 364.00 365.00 367.00 367.00 368.00 369.20 370.00 370.00 371.00	INTANGIBLE PLANT MISCELLANEOUS INTANGIBLE PLANT - AMR MISCELLANEOUS INTANGIBLE PLANT - 10 YEAR TOTAL INTANGIBLE PLANT DISTRIBUTION PLANT LAND AND LAND RIGHTS STRUCTURES AND IMPROVEMENTS STRUCTURES AND IMPROVEMENTS STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM POLES, TOWERS AND FIXTURES OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUIT UNDERGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES UNDERGROUND SERVICES METERS METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	5-SQ 10-SQ 75-R4 75-R3 55-S0.5 25-R2.5 55-R1 60-R2 54-R1.5 40-S0 44-R2 55-R1.5 18-L1	0 (25) (25) (25) 0 (90) (35) (40) (40) (2) (125) (125)	2,864,448,00 31,771,797.33 52,915,064.86 4,123,039.65 26,387,975.26 303,092,439.65 3,155,937.71 303,587,829.37 582,095,624.35 38,757,668.49 133,741,822.05	95,483 *486,807 *2,352,125 *54,836 *438,700 6,895,353 126,238 10,901,646 14,302,089 ***	3.33 1.53 **4 4.45 1.33 1.66 2.28 4.00	2,660,846 28,607,554 45,868,791 2,204,822 6,187,652 65,238,205 1,015,444
6 7 3 3 4 3 3 4 4 3 3 3 4 4 4 3 3 3 4 4 4 4 4 3 3 4 4 4 4 4 5 5 6 5 5 5 5 6 6 3 3 5 5 5 6 6 3 3 5 5 5 6 6 6 6	360.20 361.00 362.00 362.10 364.00 365.00 367.00 367.00 368.00 369.20 370.00 370.00 371.00	MISCELLANEOUS INTANGIBLE PLANT MISCELLANEOUS INTANGIBLE PLANT - AMR MISCELLANEOUS INTANGIBLE PLANT - 10 YEAR TOTAL INTANGIBLE PLANT DISTRIBUTION PLANT LAND AND LAND RIGHTS STRUCTURES AND IMPROVEMENTS STATION EQUIPMENT STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM POLES, TOWERS AND FIXTURES OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUCTORS AND DEVICES UNDERGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	5-SQ 10-SQ 75-R4 75-R3 55-S0.5 25-R2.5 55-R1 60-R2 54-R1.5 40-S0 44-R2 55-R1.5 18-L1	0 (25) (25) (25) 0 (90) (35) (40) (40) (2) (125) (125)	2,864,448,00 31,771,797.33 52,915,064.86 4,123,039.65 26,387,975.26 303,092,439.65 3,155,937.71 303,587,829.37 582,095,624.35 38,757,668.49 133,741,822.05	95,483 *486,807 *2,352,125 *54,836 *438,700 6,895,353 126,238 10,901,646 14,302,089 ***	3.33 1.53 **4 4.45 1.33 1.66 2.28 4.00	2,660,846 28,607,554 45,868,791 2,204,822 6,187,652 65,238,205 1,015,444
7 8 8 30 9 10 11 11 12 13 14 15 16 30 17 18 30 17 18 30 17 18 30 17 18 30 17 18 30 17 18 30 17 18 30 17 18 30 17 18 30 18 19 30 30 30 31 1 32 25 30 30 31 1 32 29 30 30 31 1 32 29 30 30 31 1 32 29 30 30 31 1 32 29 30 30 31 1 32 29 30 30 31 1 32 29 30 30 31 1 32 29 30 30 31 1 32 29 30 30 31 1 32 29 30 30 31 1 32 29 30 30 31 1 32 29 30 30 31 1 32 29 30 30 31 1 32 2 33 34 44 44 45 5 30 30 31 1 32 2 35 35 36 30 30 31 1 32 2 35 35 36 30 30 31 1 32 2 35 35 36 30 30 30 31 1 32 2 35 35 36 30 30 30 30 30 30 30 30 30 30 30 30 30	360.20 361.00 362.00 362.10 364.00 365.00 367.00 367.00 368.00 369.20 370.00 370.00 371.00	MISCELLANEOUS INTANGIBLE PLANT - AMR MISCELLANEOUS INTANGIBLE PLANT - 10 YEAR TOTAL INTANGIBLE PLANT DISTRIBUTION PLANT LAND AND LAND RIGHTS STRUCTURES AND IMPROVEMENTS STATION EQUIPMENT STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM POLES, TOWERS AND FIXTURES OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUIT UNDEEGROUND CONDUIT UNDEEGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	5-SQ 10-SQ 75-R4 75-R3 55-S0.5 25-R2.5 55-R1 60-R2 54-R1.5 40-S0 44-R2 55-R1.5 18-L1	0 (25) (25) (25) 0 (90) (35) (40) (40) (2) (125) (125)	2,864,448,00 31,771,797.33 52,915,064.86 4,123,039.65 26,387,975.26 303,092,439.65 3,155,937.71 303,587,829.37 582,095,624.35 38,757,668.49 133,741,822.05	95,483 *486,807 *2,352,125 *54,836 *438,700 6,895,353 126,238 10,901,646 14,302,089 ***	3.33 1.53 **4 4.45 1.33 1.66 2.28 4.00	2,660,846 28,607,554 45,868,791 2,204,822 6,187,652 65,238,205 1,015,444
8	360.20 361.00 362.00 362.10 364.00 365.00 367.00 367.00 368.00 369.20 370.00 370.00 371.00	MISCELLANEOUS INTANGIBLE PLANT - AMR MISCELLANEOUS INTANGIBLE PLANT - 10 YEAR TOTAL INTANGIBLE PLANT DISTRIBUTION PLANT LAND AND LAND RIGHTS STRUCTURES AND IMPROVEMENTS STATION EQUIPMENT STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM POLES, TOWERS AND FIXTURES OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUIT UNDEEGROUND CONDUIT UNDEEGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	5-SQ 10-SQ 75-R4 75-R3 55-S0.5 25-R2.5 55-R1 60-R2 54-R1.5 40-S0 44-R2 55-R1.5 18-L1	0 (25) (25) (25) 0 (90) (35) (40) (40) (2) (125) (125)	2,864,448,00 31,771,797.33 52,915,064.86 4,123,039.65 26,387,975.26 303,092,439.65 3,155,937.71 303,587,829.37 582,095,624.35 38,757,668.49 133,741,822.05	95,483 *486,807 *2,352,125 *54,836 *438,700 6,895,353 126,238 10,901,646 14,302,089 ***	3.33 1.53 **4 4.45 1.33 1.66 2.28 4.00	2,660,846 28,607,554 45,868,791 2,204,822 6,187,652 65,238,205 1,015,444
10 11 11 12 13 14 15 16 33 17 31 18 39 20 36 21 22 33 24 25 37 28 37 28 37 29 30 31 31 32 29 30 31 31 32 33 34 43 35 36 37 38 39 39 40 41 42 43 44 45 50 31 51 52 53 54 49 50 31 51 52 53 55 56 33 55 56 33 55 56 33 55 56 33 56 36 37 38 38 39 39 30 31 31 32 33 34 44 45 33 34 46 35 36 37 37 38 38 39 39 30 31 31 32 33 34 44 45 35 36 37 37 38 38 39 39 30 31 31 32 33 34 44 45 35 36 37 37 38 38 39 39 30 31 31 32 33 34 44 45 35 36 37 37 38 38 39 39 30 31 31 32 33 34 40 41 42 43 44 45 50 31 51 52 53 55 66 61 62 33 64 66 66	360.20 361.00 362.00 362.10 364.00 365.00 366.00 367.00 368.00 369.10 369.20 370.00 371.00	DISTRIBUTION PLANT LAND AND LAND RIGHTS STRUCTURES AND IMPROVEMENTS STATION EQUIPMENT STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM POLES, TOWERS AND FIXTURES OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUIT UNDERGROUND CONDUIT UNDERGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	75-R4 75-R3 55-S0.5 25-R2.5 53-R0.5 54-R1.5 40-S0 44-R2 55-R1.5 18-L1	0 (25) (25) 0 (90) (35) (40) (2) (125) (125)	52,915,064.86 4,123,039.65 26,387,975.26 303,092,439.65 3,155,937.71 303,587,829.37 582,095,624.35 38,757,668.49 133,741,822.05	2,352,125 54,836 438,700 6,895,353 126,238 10,901,646 14,302,089	1.33 1.66 2.28 4.00	45,868,791 2,204,822 6,187,652 65,238,205 1,015,444
111 122 133 144 155 366 167 37 188 369 210 331 221 336 241 255 367 37 38 39 39 30 31 31 32 32 33 33 34 40 41 42 43 43 43 44 45 53 46 47 48 48 47 48 48 47 48 48 49 50 50 51 51 52 53 54 54 55 56 57 57 58 59 60 61 62 63 63 64 65 66	361.00 362.00 362.10 364.00 365.00 366.00 367.00 368.00 369.10 369.20 370.00 370.00 371.00	LAND AND LAND RIGHTS STRUCTURES AND IMPROVEMENTS STATION EQUIPMENT STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM POLES, TOWERS AND FIXTURES OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUCT UNDERGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	75-R3 55-S0.5 25-R2.5 53-R0.5 55-R1 60-R2 54-R1.5 40-S0 44-R2 55-R1.5 18-L1	(25) (25) 0 (90) (35) (40) (40) (2) (125) (125)	4,123,039.65 26,387,975.26 303,092,439.65 3,155,937.71 303,587,829.37 582,095,624.35 38,757,668.49 133,741,822.05	54,836 438,700 6,895,353 126,238 10,901,646 14,302,089	1.33 1.66 2.28 4.00	2,204,822 6,187,652 65,238,205 1,015,444
13 14 15 16 36 17 36 18 39 20 36 21 22 33 32 24 36 25 37 28 33 30 31 31 32 29 30 31 32 33 34 41 42 44 45 46 47 48 49 49 40 41 42 44 45 50 50 51 52 53 54 55 56 56 57 58 59 60 61 62 63 63 64 65 66	361.00 362.00 362.10 364.00 365.00 366.00 367.00 368.00 369.10 369.20 370.00 370.00 371.00	LAND AND LAND RIGHTS STRUCTURES AND IMPROVEMENTS STATION EQUIPMENT STATION EQUIPMENT STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM POLES, TOWERS AND FIXTURES OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUIT UNDERGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	75-R3 55-S0.5 25-R2.5 53-R0.5 55-R1 60-R2 54-R1.5 40-S0 44-R2 55-R1.5 18-L1	(25) (25) 0 (90) (35) (40) (40) (2) (125) (125)	26,387,975,26 303,092,439,65 3,155,937.71 303,587,829,37 582,095,624,35 38,757,668,49 133,741,822.05	438,700 6,895,353 126,238 10,901,646 14,302,089	1.66 2.28 4.00	6,187,652 65,238,205 1,015,444
14 15 36 16 37 18 36 17 38 39 20 36 31 31 32 28 33 34 40 41 42 43 43 44 45 50 51 52 53 54 55 56 57 58 59 60 61 62 63 63 64 65 66	361.00 362.00 362.10 364.00 365.00 366.00 367.00 368.00 369.10 369.20 370.00 370.00 371.00	LAND AND LAND RIGHTS STRUCTURES AND IMPROVEMENTS STATION EQUIPMENT STATION EQUIPMENT STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM POLES, TOWERS AND FIXTURES OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUIT UNDERGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	75-R3 55-S0.5 25-R2.5 53-R0.5 55-R1 60-R2 54-R1.5 40-S0 44-R2 55-R1.5 18-L1	(25) (25) 0 (90) (35) (40) (40) (2) (125) (125)	26,387,975,26 303,092,439,65 3,155,937.71 303,587,829,37 582,095,624,35 38,757,668,49 133,741,822.05	438,700 6,895,353 126,238 10,901,646 14,302,089	1.66 2.28 4.00	6,187,652 65,238,205 1,015,444
16 36 177 33 18 33 19 33 20 36 21 22 33 24 25 25 33 26 27 37 28 37 28 37 29 37 30 31 31 32 33 34 43 35 36 33 34 43 35 36 37 39 38 38 38 39 39 36 40 41 42 43 44 39 44 45 33 44 45 33 45 36 36 47 37 39 50 37 51 52 53 36 55 56 37 57 57 58 59 60 61 39 60 61 62 39 60 61 62 62 63 60 61 62 63 60 62 63 60 63 63 60 64 65 60 65	361.00 362.00 362.10 364.00 365.00 366.00 367.00 368.00 369.10 369.20 370.00 370.00 371.00	STRUCTURES AND IMPROVEMENTS STATION EQUIPMENT STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM POLES, TOWERS AND FIXTURES OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUIT UNDERGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	75-R3 55-S0.5 25-R2.5 53-R0.5 55-R1 60-R2 54-R1.5 40-S0 44-R2 55-R1.5 18-L1	(25) (25) 0 (90) (35) (40) (40) (2) (125) (125)	26,387,975,26 303,092,439,65 3,155,937.71 303,587,829,37 582,095,624,35 38,757,668,49 133,741,822.05	438,700 6,895,353 126,238 10,901,646 14,302,089	1.66 2.28 4.00	6,187,652 65,238,205 1,015,444
17 33 31 32 22 33 33 32 34 35 36 36 37 33 39 30 31 40 41 42 43 34 44 45 33 44 45 33 44 45 33 44 45 33 55 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 55 56 33 56 57 36 58 59 60 61 35 56 57 36 56 66 66 66 66 66 66 66 66 66 66 66 66	362.00 362.10 364.00 365.00 366.00 367.00 368.00 369.10 369.20 370.00 370.00 371.00	STATION EQUIPMENT STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM POLES, TOWERS AND FIXTURES OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUIT UNDERGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	55-S0.5 25-R2.5 53-R0.5 55-R1 60-R2 54-R1.5 40-S0 44-R2 55-R1.5 18-L1	(25) 0 (90) (35) (40) (40) (2) (125) (125)	303,092,439.65 3,155,937.71 303,587,829.37 582,095,624.35 38,757,668.49 133,741,822.05	6,895,353 126,238 10,901,646 14,302,089	2.28 4.00	65,238,205 1,015,444
18 36 19 36 20 37 20 36 21 36 22 36 22 37 23 36 24 36 25 36 27 37 28 37 29 37 31 32 29 37 31 32 37 38 38 37 39 37 38 38 38 38 39 37 30 37	362.10 364.00 365.00 366.00 367.00 368.00 369.10 369.20 370.00 370.00 371.00	STATION EQUIPMENT - ENERGY MANAGEMENT SYSTEM POLES, TOWERS AND FIXTURES OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUIT UNDERGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS AMR INSTALLATION ON CUSTOMERS' PREMISES	25-R2.5 53-R0.5 55-R1 60-R2 54-R1.5 40-S0 44-R2 55-R1.5 18-L1	0 (90) (35) (40) (40) (2) (125) (125)	3,155,937.71 303,587,829.37 582,095,624.35 38,757,668.49 133,741,822.05	126,238 10,901,646 14,302,089	4.00	1,015,444
20 36 21 36 21 36 21 36 22 23 36 22 23 36 24 36 25 36 26 37 28 37 29 37 31 32 33 34 335 36 37 38 38 36 37 38 39 39 40 41 41 42 43 44 36 44 37 44 37 45 37 46 37 47 37 48 37 49 37 50 37 51 52 53 53 54 36 55 56 37 58 59 60 61 37 58 59 60 61 37 58 59 60 61 37 58 59 60 61 37 62 37 66 66	365.00 366.00 367.00 368.00 369.10 369.20 370.00 370.00 371.00	OVERHEAD CONDUCTORS AND DEVICES UNDERGROUND CONDUIT UNDERGROUND CONDUIT UNDERGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	55-R1 60-R2 54-R1.5 40-S0 44-R2 55-R1.5 18-L1	(35) (40) (40) (2) (125) (125)	582,095,624.35 38,757,668.49 133,741,822.05	14,302,089	3.59	
21 36 22 33 24 33 24 33 25 33 26 27 33 27 28 33 31 31 32 29 33 33 34 35 36 33 37 38 39 33 40 41 42 43 44 33 44 45 33 44 47 33 44 45 36 47 33 49 35 36 56 33 55 56 33 55 56 33 55 56 33 55 56 33 66 66 66 66 66 66 66 66 66 66 66 66	366.00 367.00 368.00 369.10 369.20 370.00 371.00	UNDERGROUND CONDUIT UNDERGROUND CONDUCTORS AND DEVICES LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	60-R2 54-R1.5 40-S0 44-R2 55-R1.5 18-L1	(40) (40) (2) (125) (125)	38,757,668.49 133,741,822.05		2.46	110,737,706
23 36 36 25 26 37 37 38 37 38 37 38 37 38 37 38 37 38 37 38 37 38 39 31 40 41 41 42 43 45 46 39 46 47 37 48 49 39 50 31 51 52 53 55 56 37 58 59 60 61 37 58 59 60 61 37 58 59 60 61 37 58 56 66 66 66 66 67 37 56 66 66 67 37 56 66 66 67 37 56 66 66 67 38 56 66 66 67 38 56 66 66 67 38 56 66 66 67 38 56 66 66 67 38 56 66 66 67 38 56 66 67 38 56 67	368.00 369.10 369.20 370.00 370.00 371.00	LINE TRANSFORMERS OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	40-S0 44-R2 55-R1.5 18-L1	(2) (125) (125)			2.34	154,119,837 9,625,266
24 33 25 36 26 37 27 37 28 37 29 30 31 31 32 33 34 35 36 37 38 39 39 37 38 39 40 41 42 43 33 44 45 33 46 33 47 48 33 55 36 56 37 57 58 59 60 61 33 64 65 66	369.10 369.20 370.00 370.00 371.00	OVERHEAD SERVICES UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	44-R2 55-R1.5 18-L1	(125) (125)	262,481,157.73	3,463,913	2.59	42,368,714
25 36 37 38 39 39 39 40 41 42 43 39 444 45 39 44 45 39 50 39 51 51 52 53 56 39 57 7 39 56 60 61 39 66 66 66 66 66 66 39 39 66 66 39 66 66 66 66 39 39 66 66 39 66 66 66 66 66 66 66 66 66 66 66 66 66	369.20 370.00 370.00 371.00	UNDERGROUND SERVICES METERS METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES	55-R1.5 18-L1	(125)	81,721,434.74	6,693,270 4,173,922	2.55 5.11	73,140,846 47,501,588
27 33 28 33 30 31 31 32 33 33 34 43 35 36 33 36 37 37 38 38 39 39 39 40 41 42 42 43 44 33 44 45 33 46 37 47 33 48 39 50 33 51 52 53 55 63 33 55 56 33 55 57 58 59 60 61 33 64 65 66	370.00 371.00	METERS - AMR INSTALLATION ON CUSTOMERS' PREMISES			76,631,011.71	3,138,040	4.10	32,482,673
28 33 29 33 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 43 45 46 33 46 47 39 30 30 31 38 39 40 41 42 43 39 40 41 42 43 39 45 30 30 31 31 32 32 33 34 35 36 37 38 39 30 30 30 31 31 32 32 33 34 35 36 37 38 39 30 30 30 31 31 32 32 33 34 40 41 42 43 43 44 33 45 50 30 31 51 52 53 53 56 30 57 58 59 60 61 62 33 64 65 66	371.00	INSTALLATION ON CUSTOMERS' PREMISES		0	44,821,891.75	2,479,416 2,981,203 *	5.53	19,961,157
30 31 32 33 34 35 36 37 38 39 39 40 41 42 42 43 44 45 50 31 51 52 53 55 66 61 61 31 62 33 64 65 66	373.00	STREET LIGHTING AND SIGNAL SYSTEMS	17-L0	0 (50)	31,614,492.00 6,563,781.88	2,981,203 * 578,892	9.43 8.82	5,819,204 3,082,834
31 32 33 33 34 35 36 37 36 37 36 37 39 36 37 39 36 37 39 36 37 39 36 37 39 36 37 39 37 38 39 37			27-L0	(10)	5,130,537.46	208,813	4.07	2,083,777
32 33 34 35 36 37 38 39 30 40 41 42 43 44 43 44 45 33 46 47 34 48 33 49 30 31 31 32 33 44 45 33 34 46 35 36 37 38 39 30 30 30 30 30 30 30 30 30 30		TOTAL DISTRIBUTION PLANT			1,903,906,643.80	57,342,485	3.01	575,569,725
34 35 36 37 38 39 40 41 42 43 44 33 44 45 34 45 36 37 38 39 30 30 30 31 31 32 32 33 34 34 33 44 33 34 35 36 37 38 38 39 30 30 30 31 31 32 32 33 34 36 36 36 36 36 36 36 36 36 36 36 36 36					1,500,500,010100	07,012,100	5.01	275,005,720
35 36 33 36 33 37 38 38 39 33 40 40 41 42 43 44 45 39 44 47 39 45 50 39 51 52 53 35 56 39 55 56 39 57 58 59 60 61 39 56 66 66 66 66 66 37 36 66 66		GENERAL PLANT						
36 33 36 33 37 33 38 39 39 39 39 39 39 39 39 39 39 39 39 39	389.20	LAND AND LAND RIGHTS	65-R4	0	26,976,55	415	1.54	13,692
38 39 33 39 33 40 40 41 42 43 33 44 44 33 46 33 47 50 33 55 56 33 55 66 33 56 60 61 33 64 66 66 66 66 66 66	390.00	STRUCTURES AND IMPROVEMENTS	50-S0.5	(10)	84,363,470.03	1,854,713	2.20	20,052,815
39 39 39 40 41 41 42 43 39 44 5 39 45 50 39 51 52 53 54 39 55 56 39 56 60 61 39 66 66 66 66 66 66 66 66 66 66 66 66 66	390.10 391.10	STRUCTURES AND IMPROVEMENTS - LEASEHOLD OFFICE FURNITURE AND EQUIPMENT	20-S0.5 20-SQ	0	50,859.53 9,755,154.62	2,543 487,758	5.00 5.00	19,095 4,695,337
41 42 43 44 45 33 46 47 33 48 39 50 31 51 52 53 54 35 55 36 37 58 59 60 61 61 63 34 35 36 36 36 37 38 38 39 30 30 30 30 30 30 30 30 30 30	391.20	OFFICE FURNITURE AND EQUIPMENT - COMPUTER EQUIPM	5-SQ	0	1,672,250.89	243,506	14.56	960,508
42 43 33 44 45 36 47 48 39 49 30 50 31 51 52 53 54 35 55 36 37 58 59 60 61 61 63 63 64 65 66		The Manager Tion Computer						
43 39 44 33 44 33 45 36 46 39 47 39 48 39 50 39 51 52 53 39 54 39 55 39 56 39 57 39 60 61 39 62 39 64 65 66		TRANSPORTATION EQUIPMENT						
45 39 46 33 47 39 48 39 49 33 50 39 51 52 53 54 39 55 33 56 33 57 38 59 60 61 33 64 65 66	392.00	OTHER	15-S4	15	30,225.00	1,714	5.67	14,507
46 39 447 39 48 39 49 39 50 39 51 52 53 55 56 39 57 58 59 60 61 39 63 64 65 66 66	392.10 392.20	CARS LIGHT TRUCKS	6-L3 11-S1	15 15	97,593.41	13,828	14.17 7.73	13,479 2,687,250
48 39 49 39 50 39 51 52 53 54 39 55 39 56 39 57 39 58 59 60 61 39 62 39 63 64 65 66	392.30	MEDIUM TRUCKS	14-S3	15	8,605,166.97 2,764,714.96	664,878 167,791	6.07	767,426
49 39 39 50 31 51 52 53 54 55 55 33 55 56 31 57 58 59 60 61 31 62 31 64 65 66 66	392.40	HEAVY TRUCKS	15-S2.5	15	26,391,434.00	1,496,262	5.67	8,212,511
50 36 51 52 53 54 36 55 36 56 36 57 36 59 60 61 36 62 36 64 65 66	392.50 392.60	ROLLING EQUIPMENT TRAILERS	13-L2.5 13-L3	15 15	1,321,753.47 4,958,571.11	86,396 324,117	6.54 6.54	235,242 1,661,871
52 53 54 55 55 56 33 57 58 59 60 61 62 33 64 65 66	392.70	ELECTRIC VEHICLE CHARGING STATION	10-R4	0	7,902.10	790	10.00	5,244
53 54 33 55 56 33 57 58 59 60 61 33 62 33 64 65 66		TOTAL TRANSPORTATION EQUIPMENT			44,177,361.02	2,755,776	6.24	13,597,530
55 33 56 33 57 36 58 59 60 61 33 62 33 64 65 66		TOTAL TRANSFORTATION EQUIT MENT			44,177,301.02	2,755,770	0.24	15,597,550
56 39 57 39 58 59 60 61 39 62 39 63 39 64 65 66	393.00	STORES EQUIPMENT	20-SQ	0	3,257,904.89	162,895	5.00	1,109,379
57 39 58 59 60 61 39 62 39 63 39 64 65 66	394.00 395.00	TOOLS, SHOP AND GARAGE EQUIPMENT LABORATORY EQUIPMENT	25-SQ 20-SQ	0	14,194,677.76 2,072,746.95	567,787 96,433	4.00 4.65	4,037,342 1,339,656
59 60 61 34 62 33 63 39 64 65 66	396.00	POWER OPERATED EQUIPMENT	15-L4	0	159,421.09	10,633	6.67	71,720
60 61 39 62 39 63 39 64 65 66								
61 39 62 39 63 39 64 65 66		COMMUNICATION EQUIPMENT						
63 39 64 65 66	397.10	MICROWAVE	15-SQ	0	5,646,707.11	240,089	4.25	3,854,488
64 65 66	397.20 397.30	OTHER GPS	15-SQ 5-SQ	0	22,098,802.35 443,487.30	1,279,811 54,399	5.79 12.27	10,667,691 366,151
66	397.30	GI 3	3-3Q	Ü	443,467.30	34,377	12.27	300,131
		TOTAL COMMUNICATION EQUIPMENT			28,188,996.76	1,574,299	5.58	14,888,330
	398.00	MISCELLANEOUS EQUIPMENT	20-SQ	0	1,279,168.86	63,958	5.00	658,566
68		·						
69 70		TOTAL GENERAL PLANT			189,198,988.95	7,820,716	4.13	61,443,970
71		TOTAL DEPRECIABLE PLANT			2,146,020,697.61	67,515,326	3.15	682,882,486
72								
73 74		NONDEPRECIABLE PLANT						
	301.00	ORGANIZATION			45,057.29			
	360.10	LAND			5,830,013.57			
77 38 78	389.10	LAND			4,806,992.04			
79		TOTAL NONDEPRECIABLE PLANT			10,682,062.90			
80 81		TOTAL ELECTRIC PLANT			2,156,702,760.51	67,515,326		682,882,486
82		TOTAL BESCHMOTERNI			2,130,702,700,31	07,010,020		002,002,400
83		* AMR METERS NET BOOK VALUE BEING DEPRECIATED OVER						
84 85		** NEW ADDITIONS TO THIS ACCOUNT WILL BE DEPRECIATED	USING A 10.00%	RATE				
86		Less Transportation Equipment			_	(2,755,776)		
87	,	TOTAL ELECTRIC PLANT			_	64,759,550		

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

		Year-Ended	
Line	Description	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	2.11%	Line 1 / Line 2

15

36

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment MBP/EAD-2 April 29, 2022 Page 1 of 50

STATE OF NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes - Step 3 Adjustment

Tariff NHPUC No. 10

Date Effective: August 1, 2022

16									
17	(A)	(B)	(C)	(D)		(E)	(F)) = (E) - (D)	(G) = (F) / (D)
18									
19		Effect of	Average	 Estimated Ann	ual R	evenue (a)		Proposed An	nual Change
20		Proposed	Number of	Current	Proposed				
21	Class of Service	Change	Customers	 Rates (b)	Rates (c)		Revenue		Percent
22	Residential Service Rate R and R-OTOD	Increase	439,078	\$ 728,530,299	\$	733,913,532	\$	5,383,233	0.7%
23									
24	General Service Rate G and Rate G-OTOD	Increase	75,983	\$ 355,653,547	\$	357,905,308	\$	2,251,761	0.6%
25									
26	Primary General Service Rate GV	Increase	1,393	\$ 294,282,419	\$	295,261,573	\$	979,154	0.3%
27									
28	Large General Service Rate LG	Increase	121	\$ 160,581,132	\$	161,119,848	\$	538,716	0.3%
29									
30	Outdoor Lighting Service Rate OL and Rate EOL	Decrease	773	\$ 9,092,182	\$	9,239,000	\$	146,818	1.6%
31									
32	Total (a)	Increase	517,349	\$ 1,548,139,579	\$	1,557,439,261	\$	9,299,682	0.6%
33									

³⁵ (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 COMMISSION

Report of Proposed Rate Changes Current Rates

1 2 3 4 5 6							Public Service Co	d/b/a E Docl	of New Hampshire Eversource Energy ket No. DE 19-057 Inment MBP/EAD-2 April 29, 2022 Page 2 of 50
8				ATE OF NEW HAMP					
9			PUB	BLIC UTILITIES COM	MISSION				
10 11			Repo	ort of Proposed Rate	Changes				
12				Current Rates	g				
13	T								
14 15	Tariff NHPUC No. 10						Date	Effective	e: August 1, 2022
16							Date	Lilectiv	c. August 1, 2022
17	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H) = S	Sum of (B) to (G)
18						Current			
19 20		Current	Current	Current	Current System	Regulatory Reconciliation	Current		Total
21	Class	Distribution	Transmission	SCRC	Benefits	Adjustment	Energy Service (b)		Revenue
22	Class	Distribution	114113111331011		Deficitio	Adjustifierit	Oct vice (b)		revenue
23	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
24	`,					, , ,			
25	General Service Rate G	101,044,149	49,795,013	7,794,224	12,854,042	(409,628)	184,575,747		355,653,547
26									
27	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
28									
29	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
30 31	Outdoor Lighting Rates OL, EOL	6,590,241	590,669	343,282	211,765	(1,684,585)	3,040,810		9,092,182
32	Oddoor Lighting Nates OL, EOL	0,350,241	390,009	343,202	211,700	(1,004,000)	3,040,010		3,032,102
33	Total Retail	\$ 417,434,167	\$ 224,240,225	\$ 33,930,673	\$59,101,353	\$ (3,366,305)	\$ 816,799,466	\$	1,548,139,579
34						. (2,222,23)			

38

³⁹ (a) Revenues for Residential Rate R do not include credits issued to qualifying customers under the Residential Electric Assistance Program.

⁴⁰ (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.

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment MBP/EAD-2 April 29, 2022 Page 3 of 50

STATE OF NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes Proposed Rates

Tariff NHPUC No. 10

Date Effective: August 1, 2022

16									3 , .
17 18	(A)	(B)	(C)	(D)	(E)	(F) Proposed	(G)	(H) = :	Sum of (B) to (G)
19		Proposed			Current	Regulatory	Current		
20		Permanent	Current	Current	System	Reconciliation	Energy		Total
21	Class	Distribution	Transmission	SCRC	Benefits	Adjustment	Service (b)		Revenue
22									
23	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
24									
25	General Service Rate G	103,295,910	49,795,013	7,794,224	12,854,042	(409,628)	184,575,747		357,905,308
26									
27	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
28									
29	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
30									
31	Outdoor Lighting Rates OL, EOL	6,737,059	590,669	343,282	211,765	(1,684,585)	3,040,810		9,239,000
32									
33	Total Retail	\$ 426,733,849	\$ 224,240,225	\$ 33,930,673	\$59,101,353	\$ (3,366,305)	\$ 816,799,466	\$	1,557,439,261
34									

37 38 Note

^{39 (}a) Revenues for Residential Rate R do not include credits issued to qualifying customers under the Residential Electric Assistance Program.

^{40 (}b) For purposes of this calculation, all customers are assumed to receive service under the Energy Service rate.

^{41 (}c) Support for amounts shown above is contained in MBP/EAD-3, pages 11 through 21.

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 1 2 3 4 5 6 7 8 9 10 11 Attachment MBP/EAD-2 April 29, 2022 Page 4 of 50 STATE OF NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION Report of Proposed Rate Changes Incremental Increase/(Decrease) 13 14 15 16 Tariff NHPUC No. 10 Date Effective: August 1, 2022 17 18 (F) Proposed (A) (B) (C) (D) (E) (G) (H) = Sum of (B) to (G)19 Proposed Current Regulatory Current 20 Permanent Current Current System Reconciliation Energy Total 21 Class Distribution (b) Transmission SCRC Benefits Adjustment Revenue Service (c) 22 23 Residential Service Rate R (a) \$ 5,383,233 \$ \$ 5,383,233 24 25 General Service Rate G 2,251,761 2,251,761 26 27 Primary General Service Rate GV 979,154 979,154 28 29 Large General Service Rate LG 538,716 538,716 30 146,818 31 Outdoor Lighting Rates OL, EOL 146,818 32 33 Total Retail 9,299,682 9,299,682 34

37 38 Notes

^{39 (}a) Revenues for Residential Rate R do not include credits issued to qualifying customers under the Residential Electric Assistance Program.

^{40 (}b) MBP/EAD-2, page 3 - MBP/EAD-3, page 2

^{41 (}c) For purposes of this calculation, all customers are assumed to receive service under the Energy Service rate.

STATE OF NEW HAMPSHIRE

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment MBP/EAD-2 April 29, 2022 Page 5 of 50

PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes Percent Increase/(Decrease)

Tariff NHPUC No. 10

Date Effective:	August 1, 2022

16							Date Em	couve. August 1, 2022
17 18	(A)	(B)	(C)	(D)	(E)	(F) Proposed	(G)	(H)
19		Proposed			Current	Regulatory	Current	
20		Permanent	Current	Current	System	Reconciliation	Energy	Total
21	Class	Distribution (b)	Transmission	SCRC	Benefits	Adjustment (c)	Service (d)	Revenue
22								
23	Residential Service Rate R (a)	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%
24								
25	General Service Rate G	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%
26								
27	Primary General Service Rate GV	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
28								
29	Large General Service Rate LG	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
30								
31	Outdoor Lighting Rates OL, EOL	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%
32								
33	Total Retail	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%
34								

Notes:

³⁹ (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)

^{41 (}c) Not a calculable value

^{42 (}d) For purposes of this calculation, all customers are assumed to receive service under the Energy Service rate.

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment MBP/EAD-2 April 29, 2022 Page 6 of 50

Distribution Revenue Allocation Step 3 Distribution Change

		Source:
Current Rate Distribution Revenue	\$ 417,434	Line 55, Column A
Step 3 Incremental Revenue	\$ 9,300	Settlement Agreement
Proposed Distribution Revenue	\$ 426,734	Line 11 + Line 13
Incremental Increase	\$ 9,300	Line 15 - Line 11
Step 3 Incremental Change	2.23%	Line 15 / Line 11

	A	В	C = B * Line 19	D = B + C	E		F = E - B	G = F / A	H = E / B
	Test Year 2018 <u>Billed Sales</u>	Current Rate Distribution Revenue	<u>D Change</u>	Distribution Target	Proposed Rate Distribution		Difference Proposed vs C	urrent	
<u>Rate</u>	(MWh)	(Rev \$000)	(Rev \$000)	(Rev \$000)	(Rev \$000)		(Rev \$000)	c/kWh	% Chg.
R R-TOD	3,144,509 462	\$ 236,433.4 40.6	\$ 5,267.5 0.9	\$ 241,700.9 41.5	\$ 241,684.8 41.4	(16.16) (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 77.7	805.4 79.0	6.87			
LCS-G	4,510	76.1	1.7			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	7,954,422	\$ 417,434.2	\$ 9,300.0	\$ 426,734.2	\$ 426,733.8	(0.32) \$	9,299.7	0.117	2.23%
				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 Page 7 of 50

7 8 9

SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

9 10		SUMMARY OF CURRENT AND I	PROPOSED	DISTRIBUTION	ON RAT	ΓES	
11							
12				Current	F	Proposed	D
13	D . t .	Divide	//	Rates		Rates	Percent
14 _	Rate	Blocks	((02/01/22)	((08/01/22)	Change
15 16	R	Customer charge	\$	13.81	\$	13.81	0.00%
17	IX.	All KWH	Ψ	0.05196	Ψ	0.05363	3.21%
18		AUTOVII		0.00100		0.00000	0.2170
19	Uncontrolled						
20	Water	Meter charge	\$	4.87	\$	4.87	0.00%
21	Heating	All KWH	*	0.02404	*	0.02519	4.78%
22		,		0.02.0.		0.020.0	• / •
23	Controlled						
24	Water	Meter charge	\$	4.87	\$	4.87	0.00%
25	Heating	All KWH		0.02404		0.02519	4.78%
26	ŭ						
27							
28	R-OTOD	Customer charge	\$	32.08	\$	32.08	0.00%
29		-					
30		On-peak KWH	\$	0.15095	\$	0.15263	1.11%
31		Off-peak KWH		0.00818		0.00986	20.54%
32							
33							
34	G	Single phase customer charge	\$	16.21	\$	16.21	0.00%
35		Three phase customer charge		32.39		32.39	0.00%
36							
37		Load charge (over 5 KW)	\$	11.69	\$	12.24	4.70%
38							
39		First 500 KWH	\$	0.02820	\$	0.02820	0.00%
40		Next 1,000 KWH		0.02283		0.02283	0.00%
41		All additional KWH		0.01724		0.01724	0.00%
42							
43	_		_		_		
44	Space	Meter charge	\$	3.24	\$	3.24	0.00%
45	Heating	All KWH		0.04135		0.04235	2.42%
46							
47			•	44.00	•	44.00	0.000/
48	G-OTOD	Single phase customer charge	\$	41.98	\$	41.98	0.00%
49		Three phase customer charge		60.00		60.00	0.00%
50		Landahanna	Φ.	45.40	Φ.	45.07	2.040/
51		Load charge	\$	15.12	\$	15.67	3.64%
52		On an all IXMIII		0.05050		0.05050	0.000/
53		On-peak KWH		0.05350		0.05350	0.00%
54		Off-peak KWH		0.00851		0.00851	0.00%
55 56							
56 57	LCS	Radio-controlled option	æ	6.00	¢	6.99	0.00%
58	LCS	8, 10 or 11-hour option	\$	6.99 4.87	\$	4.87	0.00%
59				4.87		4.87	0.00%
60		Switch option		4.01		4.07	0.00%
61		Radio-controlled option	\$	0.01284	\$	0.01350	5.14%
62		8-hour option	Ψ	0.01204	φ \$	0.01330	2.75%
63		10 or 11-hour option		0.02404	\$	0.02470	2.75%
				0.02.10.1	Ψ	0.02 1.0	2.70

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment MBP/EAD-2 April 29, 2022 Page 8 of 50

SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

12							
13				Current	_	Proposed	
14				Rates	'	Rates	Percent
15	Rate	Blocks	((02/01/21)	((08/01/22)	Change
16							
17	GV	Customer charge	\$	211.21	\$	211.21	0.00%
18							
19		First 100 KW	\$	6.98	\$	7.21	3.30%
20		All additional KW		6.72	\$	6.95	3.42%
21							
22		First 200,000 KWH	\$	0.00663	\$	0.00663	0.00%
23 24		All additional KWH		0.00590		0.00590	0.00%
24 25		Minimum Charge	\$	1,062.00	\$	1,062.00	0.00%
26		Willimum Charge	Ψ	1,002.00	Ψ	1,002.00	0.0070
27	LG	Customer charge	\$	660.15	\$	660.15	0.00%
28			•		*		
29		Demand charge	\$	5.92	\$	6.11	3.19%
30							
31		On-peak KWH	\$	0.00559	\$	0.00559	0.00%
32		Off-peak KWH		0.00473		0.00473	0.00%
33			_				
34		Minimum Charge	\$	1,126.00	\$	1,126.00	0.00%
35 36		Discount for Service at 115kV	\$	(0.51)	\$	(0.51)	0.00%
37		Discount for Service at 115kV	Ф	(0.51)	Ф	(0.51)	0.00%
38	В	Administrative charge	\$	372.10	\$	372.10	0.00%
39	Service at	Translation charge	Ψ	62.42	Ψ	62.42	0.00%
40	less than						
41	115 KV	Demand charge	\$	5.43	\$	5.57	2.52%
42		-					
43		All KWH	E	nergy charges in	the stan	dard rate	
44							
45	В	Administrative charge	\$	372.10	\$	372.10	0.00%
46	Service at	Translation charge		62.42		62.42	0.00%
47	115 KV	Damand shares		Nat and	-1:		
48 49	or higher	Demand charge		ivot ap	olicable		
49 50		All KWH		Not an	olicable		
-				. tet ap	500.15		

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Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment MBP/EAD-2 April 29, 2022 Page 9 of 50

8

10

SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

11 12 13

Outdoor Lighting Service Rate OL

15								
16				Cı	urrent	Pro	posed	
17				R	ates	F	Rates	Percent
18		Lumens	Watts	(02	/01/22)	(08	/01/22)	Change
19							·	
20								
21	For new and existing installations							
22	High Pressure Sodium	4,000	50	\$	15.59	\$	15.94	2.23%
23		5,800	70		15.59		15.94	2.23%
24		9,500	100		20.73		21.20	2.23%
25		16,000	150		29.32		29.98	2.23%
26		30,000	250		30.05		30.72	2.23%
27		50,000	400		30.39		31.06	2.23%
28		130,000	1,000		48.76		49.85	2.23%
29								
30	Metal Halide	5,000	70		16.26		16.62	2.23%
31		8,000	100		22.26		22.76	2.23%
32		13,000	150		30.54		31.22	2.23%
33		13,500	175		31.19		31.89	2.23%
34		20,000	250		31.19		31.89	2.23%
35		36,000	400		31.48		32.18	2.23%
36		100,000	1,000		47.19		48.24	2.23%
37								
38	Light Emitting Diode (LED)	2,500	28		10.29		10.52	2.23%
39		4,100	36		10.27		10.50	2.23%
40		4,800	51		10.44		10.67	2.23%
41		8,500	92		11.47		11.73	2.23%
42		13,300	142		12.67		12.96	2.23%
43		24,500	220		15.89		16.25	2.23%
44								
45	For existing installations only							
46	Incandescent	600	105		8.98		9.18	2.23%
47		1,000	105		10.03		10.25	2.23%
48		2,500	205		12.86		13.15	2.23%
49		6,000	448		22.10		22.59	2.23%
50								
51	Mercury	3,500	100		13.75		14.06	2.23%
52		7,000	175		16.55		16.92	2.23%
53		11,000	250		20.46		20.91	2.23%
54		15,000	400		23.40		23.92	2.23%
55		20,000	400		25.26		25.83	2.23%
56		56,000	1,000		40.16		41.05	2.23%
57								
58	Fluorescent	20,000	330		34.27		35.03	2.23%
59								
60	High Pressure Sodium in existing me	•						
61		12,000	150		21.45		21.92	2.23%
62		34,200	360		27.45		28.06	2.23%

9,299,682
Note: Immaterial differences due to rounding

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment MBP/EAD-2 April 29, 2022 Page 10 of 50

Summary of Revenues by Type and Class

			Current F	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
TOTAL -	417,434,167	224,240,225	33,930,673	59,101,353	(3,366,305)	816,799,466	1,548,139,579

	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						
TOTAL	426,733,849	224,240,225	33,930,673	59,101,353	(3,366,305)	816,799,466	1,557,439,261						

1 2 3 4 5 6 7											Public s	Doc	of New Hampshire eversource Energy ket No. DE 19-05 ment MBP/EAD-2 April 29, 2022 Page 11 of 50
8 9				Compari		Current vs I anent Rates	Propo	sed					
10 11 R 12 13 14	Rate R - Residential Electric Service	(A) Billing Determinants		(B) Current Rate	` (= (A) x (B) Current	F	(D) Proposed Rate	È) = (A) x (D) Proposed Revenues		E) = (E) - (C) Proposed vs. Difference	(G) = (F) / (C) Current % Chg
15 <u>C</u> 16	customer Charge Customer Charge	5,289,264	\$	13.81		73,044,736	\$	13.81		73,044,736	\$	-	% Crig
17 18 <u>E</u> 19 20 21 22 23 24 25	inergy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge	3,144,509,315	\$	0.05196 0.03046 0.00458 0.00743 (0.00032) 0.10669	2	63,388,704 95,781,754 14,401,853 23,363,704 (1,006,243) 35,487,699	\$	0.05363 0.03046 0.00458 0.00743 (0.00032) 0.10669		68,640,035 95,781,754 14,401,853 23,363,704 (1,006,243) 35,487,699	\$	5,251,331 - - - - - -	3.219 0.009 0.009 0.009 0.009
	Distribution Impact Only Total Change		\$ \$	0.07519 0.22403		36,433,440 04,462,207	\$ \$	0.07686 0.22570		241,684,771 709,713,538	\$ \$	5,251,331 5,251,331	2.22° 0.75°
31 32 <u>C</u> 33	Rate R - Residential Uncontrolled Wate Bustomer Charge Customer Charge	er Heating 513,638	\$	4.87	\$	2,501,419	\$	4.87	\$	2,501,419	\$	-	0.00
36 37 38 39 40 41	inergy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge	92,371,389	\$	0.02404 0.02358 0.00458 0.00743 (0.00018) 0.10669	\$	2,220,608 2,178,117 423,061 686,319 (16,627) 9,855,103	\$	0.02519 0.02358 0.00458 0.00743 (0.00018) 0.10669	\$	2,326,835 2,178,117 423,061 686,319 (16,627) 9,855,103	\$	106,227 - - - - -	4.789 0.009 0.009 0.009 0.009
42 43 44 45	Distribution Impact Only Total Change		\$ \$	0.05112 0.19322		4,722,027 17,848,000	\$ \$	0.05227 0.19437	\$ \$	4,828,254 17,954,227	\$ \$	106,227 106,227	2.25° 0.60°
46 47 R 48	Rate R - Residential Controlled Water H	Heating											
49 <u>C</u> 50 51	Customer Charge Customer Charge	2,990	\$	4.87	\$	14,563	\$	4.87	\$	14,563	\$	-	0.009
52 <u>E</u> 53 54 55 56 57 58	inergy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge	544,730	\$	0.02404 0.02358 0.00459 0.00743 (0.00018) 0.10669	\$	13,095 12,845 2,500 4,047 (98) 58,117	\$	0.02519 0.02358 0.00459 0.00743 (0.00018) 0.10669	\$	13,722 12,845 2,500 4,047 (98) 58,117	\$	627 - - - - -	4.789 0.009 0.009 0.009 0.009 0.009
59 60 I 61	Distribution Impact Only Total Change		\$ \$	0.05077 0.19288	\$ \$	27,658 105,069	\$ \$	0.05192 0.19403	\$ \$	28,285 105,696	\$ \$	627 627	2.279

									Public	Servio	d/b/a E Doc	of New Hampshir Eversource Energ ket No. DE 19-05 hment MBP/EAD- April 29, 202 Page 12 of 5
					rrent vs Prop nt Rates	osed						
Rate R - Load Control Service, Radio Control	olled (A) Billing Determinants		(B) Current) = (A) x (B) Current Revenues	F	(D) Proposed Rate	-) = (A) x (D) Proposed			(G) = (F) / (C vs. Current
<u>Customer Charge</u> Customer Charge	41,348	\$	Rate 6.99	\$	289,020	\$	6.99	\$	289,020	\$	ifference	% Chg0.00°
Energy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge	36,095,933	\$	0.01284 0.02358 0.00459 0.00743 (0.00018) 0.10669	\$	463,472 851,142 165,680 268,193 (6,497) 3,851,075	\$	0.01350 0.02358 0.00459 0.00743 (0.00018) 0.10669	\$	487,295 851,142 165,680 268,193 (6,497) 3,851,075	\$	23,823	5.14 0.00 0.00 0.00 0.00 0.00
Distribution Impact Only Total Change		\$	0.02085 0.16296	\$ \$	752,492 5,882,085	\$	0.02151 0.16362	\$	776,315 5,905,908	\$ \$	23,823 23,823	3.17 0.41
Rate R - Load Control Service, 8 Hour Switch	h											
<u>Customer Charge</u> Customer Charge	145	\$	4.87	\$	704	\$	4.87	\$	704	\$	-	0.00
Energy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge	44,152	\$	0.02404 0.02358 0.00459 0.00743 (0.00018) 0.10669	\$	1,061 1,041 203 328 (8) 4,711	\$	0.02470 0.02358 0.00459 0.00743 (0.00018) 0.10669	\$	1,091 1,041 203 328 (8) 4,711	\$	30	2.75 0.00 0.00 0.00 0.00 0.00
Distribution Impact Only Total Change		\$ \$	0.03998 0.18210	\$ \$	1,765 8,040	\$	0.04066 0.18278	\$ \$	1,795 8,070	\$ \$	30 30	1.70 0.37
Customer Charge Customer Charge Energy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge	1,249 357,451	\$	4.87 0.02404 0.02358 0.00459 0.00743 (0.00018) 0.10669	\$	6,084 8,593 8,429 1,641 2,656 (64) 38,136	\$	4.87 0.02470 0.02358 0.00459 0.00743 (0.00018) 0.10669	\$	6,084 8,829 8,429 1,641 2,656 (64) 38,136	\$	236	2.75 0.00 0.00 0.00 0.00 0.00
Distribution Impact Only Total Change		\$	0.04106 0.18317	\$ \$	14,677 65,475	\$	0.04172 0.18383	\$ \$	14,913 65,711	\$ \$	236 236	1.61 0.36
Rate R - Load Control Service, 10/11 Hour S	Switch											
<u>Customer Charge</u> Customer Charge	60	\$	4.87	\$	292	\$	4.87	\$	292	\$	-	0.00
Energy Charge All KWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge	13,784	\$	0.02404 0.02358 0.00459 0.00743 (0.00018) 0.10669	\$ #	331 325 63 102 (2) 1,471	\$	0.02470 0.02358 0.00459 0.00743 (0.00018) 0.10669	\$	340 325 63 102 (2) 1,471	\$	9	2.75 0.00 0.00 0.00 0.00 0.00
Distribution Impact Only Total Change		\$ \$	0.04520 0.18732	\$ \$	623 2,582	\$ \$	0.04585 0.18797	\$ \$	632 2,591	\$ \$	9	1.44 0.35
Rate R - Load Control Service, 10/11 Hour	No Switch											
<u>Customer Charge</u> Customer Charge	1,070	\$	4.87	\$	5,211	\$	4.87	\$	5,211	\$	-	0.00
Energy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge	265,564	\$	0.02404 0.02358 0.00459 0.00743 (0.00018) 0.10669	\$	6,384 6,262 1,219 1,973 (48) 28,333	\$	0.02470 0.02358 0.00459 0.00743 (0.00018) 0.10669	\$	6,559 6,262 1,219 1,973 (48) 28,333	\$	175 - - - -	2.75 0.00 0.00 0.00 0.00 0.00
Distribution Impact Only Total Change		\$ \$	0.04366 0.18577	\$ \$	11,595 49,334	\$	0.04432 0.18643	\$	11,770 49,509	\$ \$	175 175	1.51

1 2										Public	Service		f New Hampshire versource Energy
3													et No. DE 19-057
4													ment MBP/EAD-2
5												Attaoni	April 29, 2022
6													Page 13 of 50
7													
8				Comparison	of Cur	rent vs Prop	osed						
9						nt Rates							
10													
11	Rate R - Optional Time of Day												
12	· · · · · · · · · · · · · · · · · · ·	(A)		(B)	(C)	= (A) x (B)		(D)	(E)	= (A) x (D)	(F) =	(E) - (C)	(G) = (F) / (C)
13		Billing		Current		Current	F	Proposed		roposed	(- /	Proposed v	
14		Determinants		Rate	R	levenues		Rate		evenues	Dif	ference	% Chg
15													
16	Customer Charge												
17	Customer Charge	466	\$	32.08	\$	14,936	\$	32.08	\$	14,936	\$	-	0.00%
18	J												
19	Energy Charge On Peak kWh	153,613											
20	Distribution		\$	0.15095	\$	23,188	\$	0.15263	\$	23,446	\$	258	1.11%
21	Transmission			0.03046		4,679		0.03046		4,679		-	0.00%
22	Stranded Cost Recovery Charge			0.00751		1,154		0.00751		1,154		-	0.00%
23	System Benefits Charge			0.00743		1,141		0.00743		1,141		-	0.00%
24	Regulatory Reconciliation Adjustment			(0.00016)		(25)		(0.00016)		(25)		-	0.00%
25	Energy Service Charge			0.10669		16,389		0.10669		16,389		-	0.00%
26	5 O O D I . I . W.	007.007											
27	Energy Charge Off Peak kWh	307,907	•	0.00040	•	0.540	•	0.00000	•	0.000		547	00 500/
28 29	Distribution		\$	0.00818	\$	2,519	\$	0.00986	\$	3,036		517	20.52%
	Transmission			0.01989		6,124		0.01989		6,124		-	0.00%
30 31	Stranded Cost Recovery Charge System Benefits Charge			0.00751 0.00743		2,312 2,288		0.00751 0.00743		2,312 2,288		-	0.00% 0.00%
32	Regulatory Reconciliation Adjustment			(0.00743				(0.00743				-	0.00%
33	Energy Service Charge			0.10669		(49) 32,851		0.10669		(49) 32,851		-	0.00%
34	Lifelgy Service Charge			0.10009		32,031		0.10009	_	32,001			0.00%
35	Distribution Impact Only		\$	0.08806	\$	40,643	\$	0.08974	\$	41,418	\$	775	1.91%
36	Total Change		\$	0.23294	\$	107,507	\$	0.23462	\$	108,282	\$	775	0.72%

1								Dublia	Service Company o	of Navy Hammahira
2 3 4 5 6 7								Public	d/b/a E Dock	or New Hampshire versource Energy tet No. DE 19-057 ment MBP/EAD-2 April 29, 2022 Page 14 of 50
8 9				•	of Current vs Prop	osed				
10										
11 12 13	Rate G - General Service	(A) Billing		(B) Current	(C) = (A) x (B) Current	F	(D) Proposed	(E) = (A) x (D) Proposed	(F) = (E) - (C) Proposed	(G) = (F) / (C) vs. Current
14		Determinants		Rate	Revenues	_	Rate	Revenues	Difference	% Chg
15 16	Customer Charge									
17 18 19	Customer Charge 1 Phase Customer Charge 3 Phase	682,271 235,118	\$ \$	16.21 32.39	\$ 11,059,613 7,615,478	\$	16.21 32.39	\$ 11,059,613 7,615,478		0.00% 0.00%
20 21 22	<u>Demand Charge >5 kW</u> Distribution	4,060,918	\$	11.69	\$ 47,472,131	\$	12.24	\$ 49,705,636	2,233,505	4.70%
23 24 25	Transmission Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment			7.86 0.53 (0.10)	31,918,815 2,152,287 (406,092)		7.86 0.53 (0.10)	31,918,815 2,152,287 (406,092)	- - -	0.00% 0.00% 0.00%
26 27	Energy Charge < 500 kWh	273,389,497								
28 29	Distribution Transmission	270,000,107	\$	0.02820 0.02840	\$ 7,709,584 7,764,262	\$	0.02820 0.02840	\$ 7,709,584 7,764,262	-	0.00% 0.00%
30 31 32	Stranded Cost Recovery Charge System Benefits Charge Energy Service Charge			0.00324 0.00743 0.10669	885,782 2,031,284 29,167,925		0.00324 0.00743 0.10669	885,782 2,031,284 29,167,925	- -	0.00% 0.00% 0.00%
33 34										
35 36	Energy Charge 501 - 1500 kWh Distribution	292,926,918	\$	0.02283	\$ 6,687,522	\$	0.02283	\$ 6,687,522	_	0.00%
37 38	Transmission Stranded Cost Recovery Charge			0.01068 0.00324	3,128,459 949.083		0.01068 0.00324	3,128,459 949.083	-	0.00%
39 40 41	System Benefits Charge Energy Service Charge			0.00743 0.10669	2,176,447 31,252,373		0.00743 0.10669	2,176,447 31,252,373	-	0.00% 0.00%
42 43	Energy Charge >1500 kWh	1.149.505.765							_	
44 45	Distribution Transmission	, ,,,,,,,,	\$	0.01724 0.00573	19,817,479 6,586,668	\$	0.01724 0.00573	19,817,479 6,586,668	-	0.00% 0.00%
46 47	Stranded Cost Recovery Charge System Benefits Charge			0.00324	3,724,399 8,540,828		0.00324	3,724,399 8,540,828	- -	0.00%
48 49	Energy Service Charge		_	0.10669	122,640,770	_	0.10669	122,640,770		0.00%
50 51	Distribution Impact Only Total Change		\$ \$	0.05849 0.20566	100,361,807 352,875,097	\$ \$	0.05979 0.20696	\$102,595,312 \$355,108,602	\$ 2,233,505 \$ 2,233,505	2.23% 0.63%

1 2 3 4 5 6										Public	: Servic	d/b/a E Dock	of New Hampshire Eversource Energy ket No. DE 19-057 Iment MBP/EAD-2 April 29, 2022 Page 15 of 50
7				_									ŭ
8 9			(Comparison o		ent vs Propo t Rates	sed						
10				Pen	nanen	Rates							
11	Rate G - General Service Uncontrolled V	Vater Heating											
12		(A)		(B)	(C)	$= (A) \times (B)$		(D)	(E)	$= (A) \times (D)$	(F)	= (E) - (C)	(G) = (F) / (C)
13		Billing		Current		Current	F	Proposed	F	roposed			vs. Current
14		Determinants		Rate	R	Revenues		Rate	R	evenues	D	ifference	% Chg
15 16	Customer Charge												
17	Customer Charge	15,246	\$	4.87	\$	74,248	\$	4.87	\$	74,248	\$	_	0.00%
18	Oustomer Onlinge	10,240	Ψ	4.07	Ψ	74,240	Ψ	4.07	Ψ	74,240	Ψ	_	0.0070
19	Energy Charge All kWh	3,379,300											
20	Distribution	.,,	\$	0.02404	\$	81,238	\$	0.02519	\$	85,125	\$	3,887	4.78%
21	Transmission			0.02358		79,684		0.02358		79,684			0.00%
22	Stranded Cost Recovery Charge			0.01040		35,145		0.01040		35,145		-	0.00%
23	System Benefits Charge			0.00743		25,108		0.00743		25,108		-	0.00%
24	Regulatory Reconciliation Adjustment			(0.00018)		(608)		(0.00018)		(608)		-	0.00%
25	Energy Service Charge			0.10669		360,538		0.10669		360,538		-	0.00%
26													
27	Distribution Impact Only		\$	0.04601	\$	155,486	\$	0.04716	\$	159,373	\$	3,887	2.50%
28	Total Change		\$	0.19393	\$	655,353	\$	0.19508	\$	659,240	\$	3,887	0.59%
29													•
30	D (0 0) 10 ; 0 (
31 32	Rate G - General Service Controlled Wa	ter Heating											
32	Customer Charge												
34	Customer Charge Customer Charge		\$	4.87	\$		\$	4.87	\$		\$		0.00%
35	Customer Charge	-	φ	4.07	φ	-	φ	4.67	φ	-	φ	-	0.00%
36	Energy Charge All kWh	_											
37	Distribution	-	\$	0.02404	\$	_	\$	0.02519	\$	_	\$	_	4.78%
38	Transmission		Ψ	0.02358	Ψ	_	Ψ	0.02358	Ψ	_	Ψ	-	0.00%
39	Stranded Cost Recovery Charge			0.00550		_		0.00550		_		_	0.00%
40	System Benefits Charge			0.00743		_		0.00743		-		-	0.00%
41	Regulatory Reconciliation Adjustment			(0.00018)		-		(0.00018)		-		-	0.00%
42	Energy Service Charge			0.10669		-		0.10669		-		-	0.00%
43													
44	Distribution Impact Only				\$	-			\$	-	\$	-	
45	Total Change				\$	-			\$	-	\$	-	

									, abiic	, 50, 110	d/b/a E Dock	of New Hamps versource End tet No. DE 19- ment MBP/EA April 29, 2 Page 16 o
			Comparison Per		rent vs Prop nt Rates	osed						
Rate G - Space Heating												
	(A) Billing Determinants		(B) Current Rate	,	= (A) x (B) Current Revenues	F	(D) Proposed Rate	È	= (A) x (D) Proposed Revenues		= (E) - (C) Proposed fference	(G) = (F) / vs. Current % Chg
Customer Charge												
Customer Charge	5,015	\$	3.24	\$	16,248	\$	3.24	\$	16,248	\$	-	0.
Energy Charge All kWh Distribution	5,451,861	\$	0.04135	\$	225,434	\$	0.04235	\$	230,886	\$	5,452	2.
Transmission		Þ	0.04135	Ъ	225,434 154,833	Ф	0.04235	Þ	230,886 154,833	Ф	5,452	0
Stranded Cost Recovery Charge			0.02640		35,437		0.02640		35,437		_	0
System Benefits Charge			0.00743		40,507		0.00743		40,507		-	0.
Regulatory Reconciliation Adjustment			(0.00019)		(1,036)		(0.00019)		(1,036)		-	0
Energy Service Charge			0.10669		581,659		0.10669		581,659		<u>-</u>	0.
Distribution Impact Only		\$	0.04433	\$	241,682	\$	0.04533	\$	247,134	\$	5,452	2.
Total		\$	0.04433	\$	1,053,082	\$	0.19416	\$	1,058,534	\$	5,452	0.
Rate G - Optional Time of Day												
Customer Charge												
Customer Charge 1 Phase	199	\$	41.98	\$	8,354	\$	41.98	\$	8,354	\$	-	0.
					15,636		60.00		15,636			
Customer Charge 3 Phase	261	\$	60.00		15,050				10,000		-	0.
		\$	60.00		10,000				10,000		-	U.
Customer Charge 3 Phase Demand Charge Distribution	261	\$	15.12	\$	163,311	\$	15.67	\$	169,252	\$	- 5,941	3.
Customer Charge 3 Phase Demand Charge Distribution Transmission	261		15.12 5.18	\$	163,311 55,949	\$	5.18	\$	169,252 55,949	\$	-	3. 0.
Customer Charge 3 Phase Demand Charge Distribution Transmission Stranded Cost Recovery Charge	261		15.12 5.18 0.27	\$	163,311 55,949 2,916	\$	5.18 0.27	\$	169,252 55,949 2,916	\$	5,941 - -	3 0 0
Customer Charge 3 Phase Demand Charge Distribution Transmission	261		15.12 5.18	\$	163,311 55,949	\$	5.18	\$	169,252 55,949	\$	-	3. 0. 0.
Customer Charge 3 Phase Demand Charge Distribution Transmission Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment Energy Charge On Peak kWh	261	\$	15.12 5.18 0.27 (0.10)		163,311 55,949 2,916 (1,080)		5.18 0.27 (0.10)		169,252 55,949 2,916 (1,080)		-	3. 0. 0.
Customer Charge 3 Phase Demand Charge Distribution Transmission Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment Energy Charge On Peak kWh Distribution	261 10,801		15.12 5.18 0.27 (0.10)	\$	163,311 55,949 2,916	\$	5.18 0.27	\$	169,252 55,949 2,916	\$	-	3. 0. 0.
Customer Charge 3 Phase Demand Charge Distribution Transmission Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment Energy Charge On Peak kWh Distribution Transmission	261 10,801	\$	15.12 5.18 0.27 (0.10)		163,311 55,949 2,916 (1,080)		5.18 0.27 (0.10) 0.05350		169,252 55,949 2,916 (1,080)		-	3. 0. 0. 0.
Customer Charge 3 Phase Demand Charge Distribution Transmission Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment Energy Charge On Peak kWh Distribution Transmission Stranded Cost Recovery Charge	261 10,801	\$	15.12 5.18 0.27 (0.10) 0.05350 - 0.00171		163,311 55,949 2,916 (1,080) 17,283		5.18 0.27 (0.10) 0.05350 - 0.00171		169,252 55,949 2,916 (1,080) 17,283		-	3. 0. 0. 0.
Customer Charge 3 Phase Demand Charge Distribution Transmission Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment Energy Charge On Peak kWh Distribution Transmission	261 10,801	\$	15.12 5.18 0.27 (0.10)		163,311 55,949 2,916 (1,080)		5.18 0.27 (0.10) 0.05350		169,252 55,949 2,916 (1,080)		-	3. 0. 0. 0.
Customer Charge 3 Phase Demand Charge Distribution Transmission Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment Energy Charge On Peak kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Energy Service Charge	261 10,801 323,044	\$	15.12 5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743		163,311 55,949 2,916 (1,080) 17,283 552 2,400		5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743		169,252 55,949 2,916 (1,080) 17,283 552 2,400		-	3. 0. 0. 0.
Customer Charge 3 Phase Demand Charge Distribution Transmission Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment Energy Charge On Peak kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge	261 10,801	\$	15.12 5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743		163,311 55,949 2,916 (1,080) 17,283 552 2,400		5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743		169,252 55,949 2,916 (1,080) 17,283 552 2,400		-	3. 0. 0. 0. 0.
Customer Charge 3 Phase Demand Charge Distribution Transmission Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment Energy Charge On Peak kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Energy Service Charge Energy Charge Off Peak kWh	261 10,801 323,044	\$	15.12 5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743 0.10669	\$	163,311 55,949 2,916 (1,080) 17,283 552 2,400 34,466	\$	5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743 0.10669	\$	169,252 55,949 2,916 (1,080) 17,283 - 552 2,400 34,466	\$	-	0. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0.
Customer Charge 3 Phase Demand Charge Distribution Transmission Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment Energy Charge On Peak kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Energy Service Charge Energy Charge Off Peak kWh Distribution Transmission Stranded Cost Recovery Charge	261 10,801 323,044	\$	15.12 5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743 0.10669	\$	163,311 55,949 2,916 (1,080) 17,283 552 2,400 34,466 4,535	\$	5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743 0.10669 0.00851 - 0.00171	\$	169,252 55,949 2,916 (1,080) 17,283 552 2,400 34,466 4,535	\$	-	3. 0. 0. 0. 0. 0. 0.
Customer Charge 3 Phase Demand Charge Distribution Transmission Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment Energy Charge On Peak kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Energy Service Charge Energy Charge Off Peak kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge	261 10,801 323,044	\$	15.12 5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743 0.10669 0.00851 - 0.00171 0.00743	\$	163,311 55,949 2,916 (1,080) 17,283 - 552 2,400 34,466 4,535 - 911 3,960	\$	5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743 0.10669 0.00851 - 0.00171 0.00743	\$	169,252 55,949 2,916 (1,080) 17,283 - 552 2,400 34,466 4,535 - 911 3,960	\$	-	3. 0. 0. 0. 0. 0. 0. 0.
Customer Charge 3 Phase Demand Charge Distribution Transmission Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment Energy Charge On Peak kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Energy Service Charge Energy Charge Off Peak kWh Distribution Transmission Stranded Cost Recovery Charge	261 10,801 323,044	\$	15.12 5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743 0.10669	\$	163,311 55,949 2,916 (1,080) 17,283 552 2,400 34,466 4,535	\$	5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743 0.10669 0.00851 - 0.00171	\$	169,252 55,949 2,916 (1,080) 17,283 552 2,400 34,466 4,535	\$	-	3. 0. 0. 0. 0. 0. 0. 0.
Customer Charge 3 Phase Demand Charge Distribution Transmission Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment Energy Charge On Peak kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Energy Service Charge Energy Charge Off Peak kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge	261 10,801 323,044	\$	15.12 5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743 0.10669 0.00851 - 0.00171 0.00743	\$	163,311 55,949 2,916 (1,080) 17,283 - 552 2,400 34,466 4,535 - 911 3,960	\$	5.18 0.27 (0.10) 0.05350 - 0.00171 0.00743 0.10669 0.00851 - 0.00171 0.00743	\$	169,252 55,949 2,916 (1,080) 17,283 - 552 2,400 34,466 4,535 - 911 3,960	\$	-	3. 0. 0. 0. 0. 0. 0.

2 Cu	ate G - Load Control Service, Radio Con stomer Charge Customer Charge tergy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge Distribution Impact Only Total Change	trolled (A) Billing Determinants 2,298 4,365,538	\$	(B) Current Rate 6.99	rmaner (C)	rent vs Propo at Rates = (A) x (B) Current Levenues		(D) Proposed	F	= (A) x (D) Proposed	(F)	= (E) - (C) Proposed	(G) = (F) / (vs. Current
Ra	Customer Charge Customer Charge tergy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge Distribution Impact Only	(A) Billing Determinants		Current Rate 6.99 0.01284	R	Current	F	Proposed	F		(F)		
En	Customer Charge tergy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge Distribution Impact Only	2,298		6.99		evenues					-		
En	Customer Charge tergy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge Distribution Impact Only			0.01284	\$			Rate	ĸ	Revenues	Di	fference	% Chg
_	Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge Distribution Impact Only	4,365,538	\$			16,063	\$	6.99	\$	16,063	\$	-	0.0
				0.02358 0.00171 0.00743 (0.00018) 0.10669	\$	56,054 102,939 7,465 32,436 (786) 465,759	\$	0.01350 0.02358 0.00171 0.00743 (0.00018) 0.10669	\$	58,935 102,939 7,465 32,436 (786) 465,759	\$	2,881 - - - - -	5. 0. 0. 0.
			\$ \$	0.01652 0.15575	\$ \$	72,117 679,930	\$ \$	0.01718 0.15641	\$ \$	74,998 682,811	\$ \$	2,881 2,881	3. 0.
116	ate G - Load Control Service, 8 Hour No	Switch											
	<u>ustomer Charge</u> Customer Charge	72	\$	4.87	\$	351	\$	4.87	\$	351	\$	-	0.
	Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge	68,521	\$	0.02404 0.02358 0.00171 0.00743 (0.00018) 0.10669	\$	1,647 1,616 117 509 (12) 7,311	\$	0.02470 0.02358 0.00171 0.00743 (0.00018) 0.10669	\$	1,692 1,616 117 509 (12) 7,311	\$	45 - - - - -	2. 0. 0. 0. 0.
	Distribution Impact Only Total Change		\$ \$	0.02916 0.16840	\$ \$	1,998 11,539	\$ \$	0.02982 0.16906	\$ \$	2,043 11,584	\$ \$	45 45	0
	ate G - Load Control Service, 8 Hour Sw <u>istomer Charge</u> Customer Charge	itch 0	\$	4.87	\$	-	\$	4.87	\$	-	\$	-	0.
	nergy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge	0	\$ \$ \$	0.02404 0.02358 0.00171 0.00743 (0.00018) 0.10669	\$	- - - - -	\$ \$ \$	0.02470 0.02358 0.00171 0.00743 (0.00018) 0.10669	\$	- - - - -	\$	- - - - -	2. 0. 0. 0. 0.
	Distribution Impact Only Total Change				\$ \$	-			\$ \$	-	\$ \$	-	
Ra	ate G - Load Control Service, 10/11 Hou	r Switch											
	<u>istomer Charge</u> Customer Charge	0	\$	4.87	\$	-	\$	4.87	\$	-	\$	-	0.
	nergy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge	0	\$ \$ \$ \$	0.02404 0.02358 0.00171 0.00743 (0.00018) 0.10669	\$	- - - - -	\$ \$ \$	0.02470 0.02358 0.00171 0.00743 (0.00018) 0.10669	\$	- - - - -	\$	- - - - -	2 0. 0. 0. 0.
	Distribution Impact Only Total Change				\$ \$	-			\$	-	\$	-	
Ra	ate G - Load Control Service, 10/11 Hou	r No Switch											
	ustomer Charge Customer Charge	24	\$	4.87	\$	117	\$	4.87	\$	117	\$	-	0.
	ergy Charge All kWh Distribution Transmission Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge	75,820	\$	0.02404 0.02358 0.00171 0.00743 (0.00018) 0.10669	\$	1,823 1,788 130 563 (14) 8,089	\$ \$ \$ \$	0.02470 0.02358 0.00171 0.00743 (0.00018) 0.10669	\$	1,873 1,788 130 563 (14) 8,089	\$	50 - - - -	2. 0. 0. 0.
	Distribution Impact Only		\$	0.02559	\$	1,940	\$	0.02625	\$	1,990	\$	50	2

									Public	Servi	d/b/a E	of New Hampshir Eversource Energ ket No. DE 19-05
												nment MBP/EAD- April 29, 202 Page 18 of 5
		Cor	nparison of C Permar			d						
Rate GV	(A) Billing Determinants		(B) Current Rate) = (A) x (B) Current Revenues	F	(D) Proposed Rate) = (A) x (D) Proposed Revenues	_) = (E) - (C) Proposed Difference	(G) = (F) / (C) vs. Current % Chg
Customer Charge Customer Charge		\$							3,506,255			
Demand 1-100 kW	16,601 1,568,428	Þ	211.21	\$	3,506,255	\$	211.21	\$	3,506,255	\$	-	0.009
Distribution Transmission		\$	6.98 10.52	\$	10,947,627 16,499,863	\$ \$	7.21 10.52	\$	11,308,366 16,499,863	\$	360,739	3.30° 0.00°
Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment			0.45 (0.04)		705,793 (62,737)	\$ \$	0.45 (0.04)		705,793 (62,737)		-	0.00
Demand > 100 kW Distribution	2,667,694	\$	6.72	•	17,926,904	\$	6.95	•	18,540,473	\$	613,569	3.42
Transmission Stranded Cost Recovery Charge		Φ	10.52 0.45	φ	28,064,141 1,200,462	φ	10.52 0.45	Ą	28,064,141 1,200,462	φ	013,309	0.00° 0.00°
Regulatory Reconciliation Adjustment			(0.04)		(106,708)		(0.04)		(106,708)		-	0.00
Minimum Charge	123	\$	1,062.00	\$	130,894	\$	1,062.00	\$	130,894	\$	-	0.00
Energy Charge 1 - 200,000 kWh Distribution	1,448,276,753	\$	0.00663	\$	9,602,075	\$	0.00663	\$	9,602,075	\$	_	0.009
Transmission Stranded Cost Recovery Charge			0.00202		2,925,519		0.00202		2,925,519		-	0.009
System Benefits Charge Energy Service Charge			0.00743 0.11296	1	10,760,696 163,597,342		0.00743 0.11296	1	10,760,696 163,597,342		-	0.009
Energy Charge >200,000 kWh Distribution	217,399,074	•	0.00500	\$	1 202 655	•	0.00500	•	4 202 GEE	e		0.000
Transmission		\$	0.00590 - 0.00202	Þ	1,282,655	\$	0.00590	\$	1,282,655	\$	-	0.00
Stranded Cost Recovery Charge System Benefits Charge Energy Service Charge			0.00202 0.00743 0.11296		439,146 1,615,275 24,557,399		0.00202 0.00743 0.11296	_	439,146 1,615,275 24,557,399		- - -	0.00 ⁰ 0.00 ⁰ 0.00 ⁰
Distribution Impact Only		\$	0.02605	\$	43,396,410	\$	0.02664		44,370,718	\$	974,308	2.25
Total Change		\$	0.17626	\$ 2	293,592,601	\$	0.17685	\$ 2	294,566,909	\$	974,308	0.33
Rate GV - Backup Service < 115 KV												
Administrative Charge	108	\$	372.10	\$	40,187	\$	372.10	\$	40,187	\$	-	0.00
Translation Charge Demand Charge	39 35,399	\$	62.42	\$	2,434		62.42	\$	2,434	\$	-	0.00
Distribution Transmission	33,399	\$	5.43 2.37	\$	192,217 83,896	\$	5.57 2.37	\$	197,063 83,896	\$	4,846	2.52 ⁶
Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment			0.37 (0.01)		13,098 (529)		0.37 (0.01)		13,098 (529)		- - -	0.00 0.00
Energy Charge 1 - 200,000 kWh Distribution	2,778,333	\$	0.00663	\$	18,420	\$	0.00663	\$	18,420	\$		0.00
Transmission Stranded Cost Recovery Charge		Ψ	0.00202	Ψ	5,612	\$	0.00003	Ψ	5,612	Ψ	-	
System Benefits Charge Energy Service Charge			0.00202 0.00743 0.11296		20,643 313,840	\$ \$	0.00202 0.00743 0.11296		20,643 313,840		-	0.00° 0.00°
Energy Charge >200,000 kWh	0	•	0.00500	•		•	0.00500	•		•		0.000
Distribution Transmission		\$	0.00590 - 0.00624	\$		\$ \$	0.00590 - 0.00624	\$		\$		0.00
Stranded Cost Recovery Charge System Benefits Charge Energy Service Charge			0.00024 0.00743 0.11296		-	\$ \$	0.00024 0.00743 0.11296		-		-	0.00° 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
Rate GV - Backup Service > 115 KV												
Administrative Charge	-	\$	372.10	\$	-	\$	372.10	\$	-	\$	-	0.009
Translation Charge	-	\$	62.42	\$	-		62.42	\$	-	\$	-	0.00
<u>Demand Charge</u> Transmission	-		2.37		-		2.37		-		-	0.00
Stranded Cost Recovery Charge Regulatory Reconciliation Adjustment			0.37 (0.01)		-		0.37 (0.01)		-		-	0.009
Energy Charge On Peak Transmission	-		_		_		_		_		_	0.00
Stranded Cost Recovery Charge System Benefits Charge			0.00202 0.00743		-		0.00202 0.00743		-		-	0.00
Energy Service Charge			0.11296		-		0.11296		-		-	0.00
Energy Charge Off Peak Transmission	-		-		-		-		-		-	0.009
Stranded Cost Recovery Charge System Benefits Charge			0.00171 0.00743		-		0.00171 0.00743		-		-	0.009
Energy Service Charge		_	0.11296	_	-	•	0.11296	_	-	•	-	0.009
Distribution Impact Only Total Charge		\$ \$	-	\$ \$	-	\$ \$	-	\$ \$	-	\$ \$	-	—

									Public	Servi	d/b/a Ev Dock	f New Hampsh versource Ener et No. DE 19-0 ment MBP/EAD April 29, 20
		Co	omparison o	f Cur	rent vs Prop	osed						Page 19 of
			Perm	naner	t Rates							
Rate LG												
	(A) Billing		(B) Current	(C) = (A) x (B) Current		(D) Proposed) = (A) x (D) Proposed	(F)	= (E) - (C) Proposed v	(G) = (F) / (G
	Determinants		Rate	_	Revenues	_	Rate		Revenues		ifference	% Chg
Customer Charge												
Customer Charge	1,272	\$	660.15	\$	839,711	\$	660.15	\$	839,711	\$	-	0.00
<u>Demand</u>	2,661,538											
Distribution Transmission		\$	5.92 10.36	\$	15,756,305 27,573,534	\$	6.11 10.36		16,259,362 27,573,534	\$	503,057	3.1 0.0
Stranded Cost Recovery Charge			0.50		1,330,769		0.50		1,330,769		-	0.0
Regulatory Reconciliation Adjustment			(0.02)		(54,905)		(0.02)		(54,905)		-	0.0
Minimum Charge	0	\$	1,126.00	\$	-	\$	1,126.00	\$	-	\$	-	0.0
Discount for above 115kV	0	\$	(0.51)	\$	-	\$	(0.51)	\$	-	\$	-	0.0
·	510,025,661											
Energy Charge On Peak Distribution	310,023,001	\$	0.00559	\$	2,851,043	\$	0.00559	\$	2,851,043	\$	-	0.0
Transmission Stranded Cost Recovery Charge			0.00393		2,004,401		0.00393		2,004,401		-	0.0
System Benefits Charge			0.00743		3,789,491		0.00743		3,789,491		-	0.0
Energy Service Charge			0.07291		37,185,971		0.07291		37,185,971		-	0.0
Energy Charge Off Peak	662,413,106	_		_	0.400	_	0.00:==	_	0.400 - : :	_		
Distribution Transmission		\$	0.00473	\$	3,133,214	\$	0.00473	\$	3,133,214	\$		0.0 0.0
Stranded Cost Recovery Charge			0.00247		1,636,160		0.00247 0.00743		1,636,160		-	0.0
System Benefits Charge Energy Service Charge			0.00743 0.07291		4,921,729 48,296,540		0.00743 0.07291		4,921,729 48,296,540		-	0.0 0.0
Distribution Impact Only		\$	0.01926	\$	22,580,273	\$	0.01969	\$	23,083,330	\$	503,057	2.2
Total Charge		\$	0.12731		49,263,963	\$	0.12774		49,767,020	\$	503,057	0.3
Poto I.C. Pookup Sonico < 115 KV												
Rate LG - Backup Service < 115 KV												
Administrative Charge	109	\$	372.10	\$	40,633	\$	372.10	\$	40,633	\$	-	0.0
Translation Charge	26	\$	62.42	\$	1,623		62.42	\$	1,623	\$	-	0.0
Demand Charge	260,477											
Distribution	,	\$	5.43	\$	1,414,390	\$	5.57	\$	1,450,049	\$	35,659	2.5
Transmission Stranded Cost Recovery Charge			2.37 0.25		617,330 65,119		2.37 0.25		617,330 65,119		-	0.0
Regulatory Reconciliation Adjustment			(0.01)		(3,894)		(0.01)		(3,894)		-	0.0
Energy Charge On Peak	6,651,595											
Distribution Transmission		\$	0.00559	\$	37,182	\$	0.00559	\$	37,182	\$		0.0
Stranded Cost Recovery Charge			0.00393		26,141		0.00393		26,141		-	0.0
System Benefits Charge Energy Service Charge			0.00743 0.07291		49,421 484,968		0.00743 0.07291		49,421 484,968		-	0.0 0.0
	0.704.007				,				,			
Energy Charge Off Peak Distribution	8,704,697	\$	0.00473	\$	41,173	\$	0.00473	\$	41,173	\$	-	0.0
Transmission Stranded Cost Recovery Charge			-		-		-		-		-	0.0
System Benefits Charge			0.00247 0.00743		21,501 64,676		0.00247 0.00743		21,501 64,676		-	0.0 0.0
Energy Service Charge			0.07291		634,659		0.07291		634,659		-	0.0
Distribution Impact Only		\$	0.09996	\$	1,535,001	\$	0.10228	\$	1,570,660	\$	35,659	2.3
Total Charge		\$	0.22759	\$	3,494,922	\$	0.22991	\$	3,530,581	\$	35,659	1.0
Rate LG - Backup Service > 115 KV												
Administrative Charge	80	\$	372.10	\$	29,915	\$	372.10	\$	29,915	\$	-	0.0
· 	-	\$	62.42	\$	-,,	,	62.42	\$		\$		0.0
Translation Charge		Ф	UZ.4Z	Ф	-		UZ.4Z	Ф	-	φ	-	0.0
<u>Demand Charge</u> Transmission	913,528		2.37		2,165,061		2.37	\$	2,165,061		_	0.0
Stranded Cost Recovery Charge			0.25	Ÿ	228,382		0.25	Ť	228,382		-	0.0
Regulatory Reconciliation Adjustment			(0.01)		(13,658)		(0.01)		(13,658)		-	0.0
Energy Charge On Peak	21,134,611			•								
Transmission Stranded Cost Recovery Charge			0.00393	\$	83,059		0.00393	\$	83,059		-	0. 0.
System Benefits Charge			0.00743		157,030		0.00743		157,030		-	0.
Energy Service Charge			0.07291		1,540,924		0.07291		1,540,924		-	0.
Energy Charge Off Peak Transmission	43,853,801		-	\$	_		_	\$	_		_	0.
Stranded Cost Recovery Charge			0.00247	φ	108,319		0.00247	φ	108,319		-	0.
System Benefits Charge			0.00743		325,834		0.00743		325,834		-	0.0
			0.07291						3.197 381		-	
Energy Service Charge Distribution Impact Only		\$	0.07291	\$	3,197,381 29,915	\$	0.07291	\$	3,197,381 29,915	\$	-	0.0

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment MBP/EAD-2 April 29, 2022 Page 20 of 50

SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

Energy Efficient Outdoor Lighting Service Rate EOL and EOL-2

15								
16					Current	F	Proposed	
17					Rates		Rates	Percent
18		Lumens	Watts	(0)2/01/22)	((08/01/22)	Change
19								
20								
21	High Pressure Sodium	4,000	50	\$	6.36		\$6.45	1.5%
22		5,800	70		6.67		6.76	1.4%
23		9,500	100		7.09		7.18	1.3%
24		16,000	150		7.75		7.84	1.2%
25		30,000	250		8.98		9.06	1.0%
26		50,000	400		10.69		10.77	0.8%
27		130,000	1,000		17.38		17.44	0.4%
28								
29	Metal Halide	5,000	70		6.69		\$6.78	1.4%
30		8,000	100		7.03		7.12	1.3%
31		13,000	150		7.76		7.85	1.2%
32		13,500	175		7.93		8.02	1.1%
33		20,000	250		8.80		8.88	1.0%
34		36,000	400		10.52		10.60	0.8%
35		100,000	1,000		17.20		17.26	0.4%
36								
37	LED's and other technologies accep	ted by the Compa	nv					
38	· ·	Per fixture cha	•	\$	3.24		\$3.34	3.1%
39		Per watt charg	U	\$	0.01060	\$	0.01060	0.0%
40			,-	*	0.0.000	Ψ.	0.0.000	0.070
41	EOL-2 LED's and other technologies	accepted by the	Company					
42	202 2 220 0 and other technologies	Per fixture cha		\$	2.92	\$	2.92	_
43		Per watt charg	•	φ \$	0.01060	φ \$	0.01060	-
43		rei wall char	Je	Φ	0.01000	φ	0.01000	-

									rubilo	, Gel VIC	Docke	ersource Energ t No. DE 19-05 ent MBP/EAD
												April 29, 202 Page 21 of 5
			Comparisor Pe		urrent vs Pi ent Rates	ropos	sed					
0 1 Rate OL - Outdoor Lighting												
2 3 4	(A) Billing Determinants		(B) Current Rate	С	= (A) x (B) Current evenues	F	(D) Proposed Rate) = (A) x (D) Proposed Revenues		= (E) - (C) Proposed vs ifference	(G) = (F) / (C s. Current % Chg
5	Determinants	_	itate		svenues	_	rate		revenues		illererice	70 Ong
Energy Charge All kWh	17,130,466											
7 Transmission		\$	0.02082	\$	356,656	\$	0.02082	\$	356,656	\$	-	0.00
Stranded Cost Recovery Charge System Benefits Charge			0.00683 0.00743		117,001 127,279		0.00683 0.00743		117,001 127,279		-	0.00
Regulatory Reconciliation Adjustment			(0.09800)	(*	1,678,786)		(0.09800)		(1,678,786)		-	0.00
1 Energy Service Charge			0.10669		1,827,649		0.10669		1,827,649			0.00
2 Total		\$	0.04377	\$	749,799	\$	0.04377	\$	749,799	\$	-	0.00
3 4 Distribution Charge (per fixture)												
Distribution Charge (per fixture) 4000 LUMEN HP SODIUM	42,792	\$	15.59	\$	667,211	\$	15.94	\$	682,076	\$	14,865	2.23
5 5800 LUMEN HP SODIUM	7,260	Ψ	15.59	¥	113,198	Ψ	15.94	Ψ	115,720	¥	2,522	2.23
7 9500 LUMEN HP SODIUM	10,692		20.73		221,682		21.20		226,621		4,939	2.23
3 16000 LUMEN HP SODIUM	9,936		29.32		291,347		29.98		297,838		6,491	2.23
30000 LUMEN HP SODIUM	15,480		30.05		465,193		30.72		475,557		10,364	2.23
50000 LUMEN HP SODIUM	22,860		30.39		694,627		31.06		710,102		15,475	2.23
130000 LUMEN HP SODIUM	3,684		48.76		179,632		49.85		183,634		4,002	2.23
2 5000 LUMEN METAL HALIDE 3 8000 LUMEN METAL HALIDE	2,700 1,608		16.26 22.26		43,907 35,794		16.62 22.76		44,885 36,592		978 798	2.23
13000 LUMEN METAL HALIDE	-		30.54		-		31.22		-		100	2.2
13500 LUMEN METAL HALIDE	1,464		31.19		45,668		31.89		46,685		1,017	2.2
20000 LUMEN METAL HALIDE	3,696		31.19		115,292		31.89		117,861		2,569	2.2
36000 LUMEN METAL HALIDE	5,136		31.48		161,678		32.18		165,280		3,602	2.2
100000 LUMEN METAL HALIDE	3,216		47.19		151,762		48.24		155,143		3,381	2.2
600 LUMEN INCANDESCENT	1,068		8.98		9,594		9.18		9,807		213	2.2
1000 LUMEN INCANDESCENT 2500 LUMEN INCANDESCENT	2,844		10.03		28,517		10.25		29,152		635	2.2
2500 LUMEN INCANDESCENT 6000 LUMEN INCANDESCENT	48		12.86 22.10		617		13.15 22.59		631		14	2.2 2.2
6000 LUMEN INCANDESCENT 3500 LUMEN MERCURY	59,064		13.75		- 812,135		22.59 14.06		830,229		18,094	2.2
7000 LUMEN MERCURY	11,472		16.55		189,832		16.92		194,061		4,229	2.2
11000 LUMEN MERCURY	684		20.46		13,993		20.91		14,305		312	2.2
15000 LUMEN MERCURY	36		23.40		842		23.92		861		19	2.2
20000 LUMEN MERCURY	5,088		25.26		128,545		25.83		131,409		2,864	2.2
56000 LUMEN MERCURY	1,632		40.16		65,536		41.05		66,996		1,460	2.2
20000 LUMEN FLUORESCENT	24		34.27		822		35.03		841		19	2.3
12000 LUMEN HP SODIUM 34200 LUMEN HP SODIUM	96		21.45		2,059		21.92		2,105		46	2.2
34200 LUMEN HP SODIUM Average Number of Fixtures/Month	17,720		27.45		1,647		28.06	-	1,684	-	37	2.2
2 Average Number of Fixtures/Month	17,720											
Distribution Impact Only		\$	0.25925	\$ 4	4,441,130	\$	0.26503	\$	4,540,075	\$	98,945	2.2
Total Charge		\$	0.30302	\$ 5	5,190,929	\$	0.30880	\$	5,289,874	\$	98,945	1.9
Rate EOL - Efficient Outdoor Lighting												
Energy Charge All kWh	11,370,898											
Transmission	, ,	\$	0.02058	\$	234,013	\$	0.02058	\$	234,013	\$	-	0.0
Stranded Cost Recovery Charge			0.01990		226,281		0.01990		226,281		-	0.00
System Benefits Charge			0.00743		84,486		0.00743		84,486		-	0.0
Regulatory Reconciliation Adjustment			(0.00051)		(5,799)		(0.00051)		(5,799)		-	0.0
Energy Service Charge			0.10669		1,213,161		0.10669	_	1,213,161	_	<u> </u>	0.0
Total				\$ ^	1,752,142			\$	1,752,142	\$	-	0.0
Distribution Charge (per fixture)												
4000 LUMEN HP SODIUM	45,216	\$	6.36	\$	287,523	\$	6.45	\$	291,716	\$	4,193	1.4
5800 LUMEN HP SODIUM	2,616	Ψ.	6.67	*	17,439	+	6.76	Ψ	17,680	~	241	1.3
9500 LUMEN HP SODIUM	4,272		7.09		30,291		7.18		30,679		388	1.2
16000 LUMEN HP SODIUM	6,648		7.75		51,509		7.84		52,102		593	1.1
30000 LUMEN HP SODIUM	20,784		8.98		186,602		9.06		188,389		1,787	0.9
50000 LUMEN HP SODIUM 130000 LUMEN HP SODIUM	1,584		10.69		16,926		10.77		17,055		129	0.7
	684		17.38		11,886		17.44		11,930		44	0.3
5000 LUMEN METAL HALIDE 8000 LUMEN METAL HALIDE	9,984 1,152		6.69 7.03		66,769 8,095		6.78 7.12		67,686 8,200		917 105	1.3 1.3
8000 LUMEN METAL HALIDE 13000 LUMEN METAL HALIDE	1,102		7.03				7.12		- 0,200		-	1.3
13500 LUMEN METAL HALIDE	1,056		7.70		8,372		8.02		8,466		94	1.1
20000 LUMEN METAL HALIDE	840		8.80		7,390		8.88		7,463		73	0.9
36000 LUMEN METAL HALIDE	528		10.52		5,552		10.60		5,596		44	0.7
100000 LUMEN METAL HALIDE	1,236		17.20		21,255		17.26		21,335		80	0.3
LEDs	388,872		3.24		1,260,956		3.34		1,300,141		39,185	3.1
Average Number of Fixtures/Month 388,872	40,456 1,289,048											
Distribution Charge (per Watt)				_	405 = 2	_				_		
' LEDs	15,894,084	\$	0.01060	\$	168,546	\$	0.01060	\$	168,546	\$	-	0.0
B Distribution Impact Only		\$	0.18900	\$ 2	2,149,111	\$	0.19321	\$	2,196,984	\$	47,873	2.23

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Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment MBP/EAD-2 April 29, 2022 Page 22 of 50

STREET LIGHTING DISTRIBUTION RATE DESIGN

Distribution Breakout by Component

	Rate EO	L	
Total Fixtures	A Aa - Non-LED Ab - LED		40,456 8,050 32,406
Connected Demand KW	В		2,619
Annual kWh	С		11,370,898
Proposed Distribution Revenue	D	\$	2,196,547
Distribution by Category			
1) D - System Demand Revenue \$	I	\$	332,442
Charge Per Watt	J = I /B /1000 /12		0.01058
2) D - System Customer Revenue \$	M = D - Q - I		\$1,488,538
Charge Per Fixture	N = M / A		\$3.07
3) D - Operations & Maintenance Revenue \$	Q = R*Aa*12 + S*Ab*12		\$375,567
Charge Per Fixture Non-LED LED = 10% of Non-LED	R S		\$2.77 \$0.28
4) D - Equipment Revenue \$			
Total D			\$2,196,547

Rate OL	
E Ea - Non-LED Eb - LED	17,720 17,720 -
F	3,947
G	17,130,466
н	\$ 4,540,073
K = J* F* 12* 1000	\$501,029
L = K / F	0.01058
O = N* E* 12* 1000	\$651,990
P = 0 / E	\$3.07
T = U*Ea*12 + V*Eb*12	\$589,433
U = R V = S	\$2.77 \$0.28
W = H- K- O- T	\$ 2,797,622
	\$4,540,073

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.

April 29, 2022 Page 23 of 50

1 Public Service Company of New Hampshire 2 d/b/a Eversource Energy 3 Docket No. DE 19-057 Attachment MBP/EAD-2 4 5 6 7 8 **Street Lighting Operations & Maintenance** 9 10 **Charge Per Fixture** 11 12 Source 13 Test Year Street Lighting O & M \$965,000 A = MBP/EAD-3, page 24, line 26 14 15 16 **Non-LED Fixtures** 17 Rate EOL 8,050 B = MBP/EAD-3, page 22, line 17 18 Rate OL C = MBP/EAD-3, page 22, line 17 17,720 19 Total Non-LED 25,770 D = B + C20 21 **LED Fixtures** 22 Rate EOL 32,406 E = MBP/EAD-3, page 2, line 18 23 Rate OL F = MBP/EAD-3, page 22, line 18 24 Total LED 32,406 G = E + F25 26 Average Cost Per Fixture \$2.77 H = A / (D+G*10%) / 1227 28 Non-LED Monthly Charge Per Fixture \$2.77 I = H29 J = H * 10% 30 **LED Monthly Charge Per Fixture** \$0.28

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment MBP/EAD-2 April 29, 2022 Page 24 of 50

Street Lighting Operations & Maintenance Expense

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

Note

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

Derived Supervision and Engineering

Street Lighting

Total Distribution Expense

10	
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12		
13	High Pressur	e S
14		
15		
16	<u>Watts</u>	L
17	58	
18	87	
19	127	
20	189	
21	305	
22	466	
23	1097	
24		
25		
26	Metal Halide	
27	89	
28	121	
29	190	
30	206	
31	288	
32	450	

36 **Light Emitting Diodes (LED)** Various

1080

36,000

100,000

40 41 Total EOL A - Distribution Component Source:

42 43

33

34 35

37 38

39

45 46

High	Pressure	Sodiur

•	nigii Fressur	e Souluill						
ļ			TY	/ Fixtures	5	Connected	kWh per	Fixture
5			All	Mid-		Demand	All	Mid-
6	Watts	Lumens	Night	night	Total	KW	Night	night
7	58	4,000	3,753	15	3,768	219	252	117
3	87	5,800	218		218	19	376	
9	127	9,500	356		356	45	550	
)	189	16,000	554	-	554	105	821	379
ı	305	30,000	1,731	1	1,732	528	1326	614
2	466	50,000	132		132	62	2026	
3	1097	130,000	57		57	63	4765	
ļ								
5								
6	Metal Halide							
7	89	5,000	832		832	74	386	
3	121	8,000	96		96	12	527	
9	190	13,000	-		-	-	825	
)	206	13,500	88		88	18	896	
ı	288	20,000	70		70	20	1251	

44

103

1956

4692

4345 2005

20

111

1,325

32,367 32,406 Demand 1,321,662 2,845 1,324,507 2,619 40,401 55 40,456

> 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

44

103

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment MBP/EAD-2 April 29, 2022 Page 25 of 50

Street Lighting EOL- Efficient Outdoor Lighting

Unbundled Rate Calculation

\$ 2,148,677

Annual kWh

night

1,755

614

Total

947,511

81.968

195,800

454.834

267.432

271,605

321,152

50,592

78,848

87,570

86,064

483,276

2,295,920

Night

945,756

81.968

195,800

454.834

2,295,306

267,432

271,605

321,152

50,592

78,848

87,570

86,064

483,276

11,362,824

5,742,621 5,704 5,748,326

8,073 11,370,898

Current	Distribution						Prop	osed Distrib	ution Unbun	dled (A)			
		New Start	Distrib	ution Bundle	d	Customer		Demand (O&M	Monthly		Annual	
Rate	Revenue	2.23%	Rate	Revenue	% Chg	3.07		0.01058	\$2.77	Rate	<u>F</u>	Revenue	% Chg
\$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%
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%
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%
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%
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%
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%
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%
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%
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%
7.76	-	\$0.17	7.93	-		3.07	-	2.01	2.77	\$7.85	\$	-	1.1%
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%
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%
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%
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%
\$3.24	\$ 1,260,956	\$0.07	3.31 \$	1,289,048	2.2%	3.07	1,192,346		0.28	\$3.34	\$	1,300,141	3.1%
\$0.01058	168,111	\$0.00024	0.01081	171,857	2.2%						\$	168,111	0.0%

\$ 2,196,547

1,488,538

\$ 2,196,547 2.2%

54 55

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment MBP/EAD-2 April 29, 2022 Page 26 of 50

Street Lighting Rate OL - Outdoor Lighting

Unbundled Rate Calculation

12	h D		TV 4	F:		A 134/h	Fintur	0				0	t D:	-+ 0-1.						D	D:-4		h		
	h Pressure onnected	Soaium	All	erage Fix Mid	xtures	Annual kWh	Mid Mid	Connected Demand	4	Annual kWh		Monthl	rrent Di	Annual	New Start	Dietri	bution Bundled		Cust	Demand	O&M		bundled (A) Monthly	Annual	
15	Watts	Lumens	Night	Night	Total	Night	Night	KW	All Night	Midnight	Total	Rate	•	Revenue	2.23%	Rate		% 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.		667,211	\$0.35	\$15.94 \$	682,076	2.2%	\$3.07	\$0.61	\$2.77	\$9.49	\$15.94 \$		2.2%
17	87	5,800	605	_	605	376	174	53	227,480	_	227,480	15.		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%
23																									
24																									
25 Me	tal Halide 89	5 000	005		005	200	470	00	00.050		00.050	40		10.007	0.00	040.00	44.005	2 20/	00.07	00.04	00.77	00.04	040.00 6	44.005	2 20/
26 17	121	5,000	225	1	225	386	178	20	86,850	- 040	86,850		.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	190	8,000	133	1	134	527	243	16	70,091	243	70,334	22.		35,794	0.50	\$22.76	36,592	2.2%	3.07	1.28	2.77	15.64	\$22.76	36,592	2.2%
20	206	13,000 13,500	119	3	122	825 896	382	25	106,624	1,242	107,866	30.		45.000	0.68	\$31.22 \$31.89	46,685	2.2%	3.07 3.07	2.01	2.77 2.77	23.38 23.87	\$31.22 \$31.89	46,685	2.2% 2.2%
30	288	20,000	305	3	308	1,251	414 578	89	381,555	1,734	383,289	31. 31.		45,668 115,292	0.69 0.69	\$31.89	117,861	2.2% 2.2%	3.07	2.18 3.05	2.77	23.00	\$31.89	117,861	2.2%
ου 21	450	36,000	422	6	428	1,956	902	193	825,432	5,412	830,844		.48	161,678	0.09	\$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.		151,762	1.05	\$48.24	155,143	2.2%	3.07	11.42	2.77	30.98	\$48.24	155,143	2.2%
33	1,000	100,000	200	2	200	4,032	2,100	209	1,240,072	4,550	1,232,402	47.	.15	131,702	1.05	ψ40.24	155,145	2.2/0	3.07	11.42	2.11	30.30	ψ 4 0.24	133,143	2.270
34																									
35 Lig	ht-Emitting	g Diode (LED)																							
36	28					122						10.			\$0.23	\$10.52		2.2%	\$3.07	\$0.30	\$0.28	\$6.88	\$10.52		
37	36 51	4,100				156						10.	.27		\$0.23	\$10.50		2.2%	3.07	0.38	0.28	6.77	10.50		
90 80	92	4,800 8,500				222 400						11.			\$0.23 \$0.26	\$10.67 \$11.73		2.2%	3.07 3.07	0.54 0.97	0.28 0.28	6.79 7.41	10.67 11.73		
10	142	13,300				617						12.			\$0.28	\$12.96		2.2%	3.07	1.50	0.28	8.11	12.96		
11	220	24,500				956						15.			\$0.35	\$16.25		2.2%	3.07	2.33	0.28	10.58	16.25		
12																									
13 14 Inc	andescent																								
14 IIIC 15	105	600	89		89	456		9	40,584		40,584	Ω	.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%
ie Ie	105	1.000	237		237	456		25	108,072		108,072		.03	28,517	0.20	\$10.25	29,152	2.2%	3.07	1.11	2.77	3.30	\$10.25	29,152	2.2%
17	205	2,500	4		4	890		1	3,560		3,560		.86	617	0.29	\$13.15	631	2.2%	3.07	2.17	2.77	5.14	\$13.15	631	2.2%
18	448	6,000				1,947			0,000		0,000		.10	-	0.49	\$22.59	-	2.270	3.07	4.74	2.77	12.02	\$22.59	-	2.2%
19		0,000				1,011									0.10	QZZ .00			0.01		2	12.02	QLL.00		2.270
50																									
51 Me	rcury																								
52	117	3,500	4,922		4,922	509		576	2,505,298		2,505,298		.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		.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		.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		.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		.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%
08 0 El.	orescent																								
50 I IU	330	20,000	2		2	1,433		1	2,866		2,866	3/	.27 \$	822	0.76	\$35.03 \$	841	2.2%	\$3.07	\$3.49	\$2.77	\$25.70	\$35.03 \$	841	2.2%
31	000	25,000	2		2	1,400			2,000		2,000	54.	y	022	0.70	φυυ.υυ φ	041	2.2/0	ψ5.07	ψ0.43	Ψ2.11	ψ2J.7U	ψου.00 φ	041	2.2/0
2 HP	S in Mercu	ry Luminaires																							
33	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%
35 36 To l	-al OI		17,695	25	17,720			2.047	17 110 224	20.222	17,130,466			4,441,130		•	4,540,073	2 20/					•	4,540,073	2.2%
, iOI	ai UL		17,085	25	11,120			3,947	17,110,234	20,232	17,130,400		Þ	4,441,130		\$	4,040,073	2.2%					Ф	4,040,073	2.270

A - Distribution Components Source: Customer - See MBP/EAD-3, page 22, line 39

Demand - 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.

d/b/a Eversource Energy Docket No. DE 19-057

Attachment MBP/EAD-2

April 29, 2022

Page 27 of 50

Public Service Company of New Hampshire

10 11

12

46 47 48

53 54 55

56 57 58

59 Per Month Charge

\$

6.69

\$

6.58 \$ 6.58 \$ 7.18 \$ 7.84 \$ 10.20

Calculation of Current Installed Cost of LED Street Lighting Equipment

LED Equipment Calculation 28 Watts 36 Watts 51 Watts 92 Watts 142 Watts 220 Watts LABOR COST **Hours** Work Tasks 1.41 1.41 1.41 1.41 1.41 1.41 0.53 Setup/Span 0.53 0.53 0.53 0.53 0.53 Travel 0.36 0.36 0.36 0.36 0.36 0.36 Total 2.30 2.30 2.30 2.30 2.30 2.30 Labor Cost (Unloaded) \$ 105.30 105.30 \$ 105.30 \$ 105.30 \$ 105.30 \$ 105.30 Labor Loaders 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 \$ Total \$ 75.61 \$ 75.61 \$ 75.61 \$ 75.61 \$ 75.61 \$ 75.61 **Total Labor Cost** \$ 180.91 \$ 180.91 \$ 180.91 \$ 180.91 \$ 180.91 \$ 180.91 **EQUIPMENT COST** Hours 1.15 1.15 1.15 1.15 1.15 1.15 32.40 32.40 32.40 32.40 32.40 32.40 **Total Equipment Cost** \$ 37.31 37.31 \$ 37.31 37.31 \$ 37.31 \$ 37.31 MATERIAL COST (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% **Total Material Cost** 327.13 316.70 \$ 316.70 372.58 \$ 434.53 \$ 656.33 OTHER LOADERS \$ 77.19 77.19 77.19 77.19 Eng. & Sup. \$ \$ 77.19 \$ \$ 77.19 \$ Small Tool \$ 5.43 \$ 5.43 \$ 5.43 \$ 5.43 \$ 5.43 \$ 5.43 AS&E 2.67 2.95 3.26 4.37 2.73 2.67 \$ 85.34 \$ \$ 86.99 **Total Other Cost** \$ \$ 85.29 \$ 85.29 85.57 85.88 Total Installed Cost \$ 630.70 620 22 \$ 620 22 \$ 676.38 \$ 738 64 \$ 961.55 \$ **Annual Carrying Charge** 12.73% 12.73% 12.73% 12.73% 12.73% 12.73%

					Pub	lic Serv	Doc	Everson ket No nment I Ap	Hampsnire urce Energy DE 19-057 MBP/EAD-2 oril 29, 2022 age 28 of 50
			Туріс	al Bill	s by Rate Sche	dule			
			Res	identia	al Service - Rat	e R			
	(A)		(B)		(C)	(D)	= (C) - (B)	(E)	= (D) / (B)
	USAGE		TOTAL MON	ITHLY	BILL		TOTAL BILL [DIFFER	RENCE
	ENERGY (kWh)		CURRENT	F	PROPOSED		AMOUNT		PERCENT
	(KVVII)								
	100	\$	33.91	\$	34.07	\$	0.17		0.49%
	200	Ψ	54.00	\$	54.34	Ψ	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	Р	roposed		lifforence
					Rate		Rate		ifference
Cus	stomer Charge			\$	13.81	\$	13.81	\$	-
Dist	tribution Charge	e per k	Wh		0.05196		0.05363		0.00167
Tra	nsmission Char	ge per	kWh		0.03046		0.03046		-
Stra	anded Cost Red	overy	Charge		0.00458		0.00458		-
	tem Benefits Cl				0.00743		0.00743		-
R	egulatory Reco	nciliatio	on Adjustment		(0.00016)		(0.00016)		-
	ergy Service Ch	arne			0.10669		0.10669		_

				Pub	lic Serv	Docl	Eversou ket No. nment N Ap	Hampshire irce Energy DE 19-057 ABP/EAD-2 ril 29, 2022 ge 29 of 50	
		-							
		Турі	cal Bills	by Rate Sche	dule				
		Residential S	ervice -	Uncontrolled \	Nater ⊦	leating			
(A)		(B)		(C)	(D)	= (C) - (B)	(E) = (D) / (B)		
USAGE		TOTAL MO	NTHLY	BILL		TOTAL BILL D	DIFFERENCE		
ENERGY	CI	JRRENT	DD	OPOSED	,	AMOUNT	PERCENT		
(kWh)		DULTI	<u> </u>	OF USED_		AIVIOUNT		ERCENT	
(KVVII)									
100	\$	21.49	\$	21.61	\$	0.11		0.54%	
200	\$	38.12	Ψ	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	Р	roposed	_		
0 1 01				Rate		Rate		ifference	
Customer Charg		V/b	\$	4.87	\$	4.87	\$	- 0.00115	
Distribution Char				0.02404		0.02519			
Transmission Ch				0.02358 0.00458		0.02358 0.00458		-	
Stranded Cost R System Benefits		narge		0.00458		0.00458		-	
Regulatory Reco	_	Adjustmont		(0.00743		(0.00743		-	
	ภาษาเสนบที่	Aujustilletit		(0.00009)		(0.00009)		-	

					Pub	lic Serv	Docl	Eversou ket No. nment N Ap	Hampshire arce Energy DE 19-057 MBP/EAD-2 oril 29, 2022 ge 30 of 50
			Турі	cal Bills	by Rate Sche	dule			
			Residential S	Service -	- Controlled W	ater He	eating		
	(A)		(B)		(C)	(D)	= (C) - (B)	(E)	= (D) / (B)
			TOTAL 1401		D.I. I		TOTAL BULL 5		
0	SAGE		TOTAL MOI	VIHLY	BILL		TOTAL BILL L	DIFFERENCE	
ΕN	IERGY	CI	IRRENT	DD	OPOSED	۸	MOUNT	D	ERCENT
	Wh)		INNEINI	<u> </u>	OPO3ED_				ENCENT
(1)	vv11 <i>)</i>								
	100	\$	21.49	\$	21.61	\$	0.11		0.54%
	200	Ψ	38.12	Ψ	38.35	Ψ	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	P	roposed		
				`	Rate		Rate	D	ifference
Custo	mer Charge	!		\$	4.87	\$	4.87	\$	-
	ution Charg		'h	*	0.02404	*	0.02519	\$	0.00115
	mission Cha				0.02358		0.02358	\$	-
Strand	led Cost Re	covery C	harge		0.00459		0.00459	\$	-
Syster	n Benefits C	Charge	-		0.00743		0.00743	\$	-
_	atory Recon		Adjustment		(0.00009)		(0.00009)	\$	-
	Energy Service Charge				0.10669		0.10669	\$	_

				Pub	olic Serv	Docl	verson ket No nment l Ap	Hamps urce En DE 19 MBP/EA oril 29, 2 age 31 d
		Турі	cal Bills	by Rate Sche	edule			
		Residentia	l Servic	e - Optional T	ime of	Day		
(A)		(B)		(C)	(D)	= (C) - (B)	(E) = (D) / (I	
USAGE	ISAGE TOTAL MO			BILL		BILL DIFF	EREN	CE
TOTAL ENERGY (kWh)	CU	RRENT	PR	OPOSED	A	MOUNT	F	PERCEN
100 200 250 300 400 500 750 1,000 1,500 2,000 2,500 3,000	\$	52.62 73.16 83.43 93.69 114.23 134.77 186.12 237.46 340.15 442.84 545.53 648.22	\$	52.79 73.49 83.85 94.20 114.90 135.61 187.38 239.14 342.67 446.20 549.73 653.26	\$	0.17 0.34 0.42 0.50 0.67 0.84 1.26 1.68 2.52 3.36 4.20 5.04		0. 0. 0. 0. 0. 0. 0. 0.
5,000 7,500		1,058.99 1,572.44		1,067.39 1,585.04 Current Rate	F	8.40 12.60 Proposed Rate		0. 0. Difference
Customer Charge			\$	32.08	\$	32.08	\$	AIII EI EI II
Energy Charge On I Distribution Charge Transmission Charge Stranded Cost Reco System Benefits Ch Regulatory Reconci Energy Service Cha Total per On Peak k	per kW ge per k overy C arge liation A	h Wh harge	\$	0.15095 0.03046 0.00751 0.00743 (0.00016) 0.10669 0.30288	\$	0.15263 0.03046 0.00751 0.00743 (0.00016) 0.10669 0.30456	\$	0.00
Energy Charge Off Peak kWh Distribution Charge per kWh Transmission Charge per kWh Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge Total per Off Peak kWh % Sales On Peak		\$	0.00818 0.01989 0.00751 0.00743 (0.00016) 0.10669 0.14954 36% 64%	\$	0.00986 0.01989 0.00751 0.00743 (0.00016) 0.10669 0.15122	\$	0.00	

1 2 3 4 5 6 7					Pub	olic Serv	d/b/a E Docł	of New Hampshire Eversource Energy set No. DE 19-057 Iment MBP/EAD-2 April 29, 2022 Page 32 of 50		
8										
9			Турі	cal Bills	by Rate Sche	edule				
10 11		Resi	dential Loa	ad Cont	rol Service - R	Radio Co	ontrolled			
12										
13	(A)	(E	3)		(C)	(D)	= (C) - (B)	(E) = (D) / (B)		
14 15	USAGE	т	OTAL MOI	NTHIV	RILI	BILL DIFFERENCE				
16			OTAL WO	INTITLE	DILL		DILL DII I	LIVLIVOL		
17	ENERGY	CURI	RENT	PR	OPOSED	Α	MOUNT	PERCENT		
18	(kWh)					-				
19	, ,									
20	100	\$	22.49	\$	22.49	\$	-	0.00%		
21	200		38.00		38.00		0.00	0.00%		
22	300		53.50		53.50		0.00	0.00%		
23	400		69.01		69.01		0.00	0.00%		
24	500		84.51		84.51		0.00	0.00%		
25	600		100.01		100.01		0.00	0.00%		
26	700		115.52		115.52		0.00	0.00%		
27	800		131.02		131.02		0.00	0.00%		
28	900		146.53		146.53		0.00	0.00%		
29	1,000		162.03		162.03		0.00	0.00%		
30 31										
32					Current	Р	roposed			
33					Rate		Rate	Difference		
34	Customer Charge)		\$	6.99	\$	6.99	\$ -		
35	Distribution Charg			•	0.01284	•	0.01284	-		
36	Transmission Cha		h		0.02358		0.02358	-		
37	Stranded Cost Re	•	rge		0.00459		0.00459	-		
38	System Benefits (0.00743		0.00743	-		
39	Regulatory Recon		ustment		(0.00009)		(0.00009)	-		
40	Energy Service Cl	harge			0.10669		0.10669	-		
41 42										
+∠										

			Pub	lic Servi	Doc	versou ket No. Iment N Ap	Hampshire Irce Energy DE 19-057 MBP/EAD-2 Iril 29, 2022 ge 33 of 50
	Турі	cal Bills	by Rate Sche	dule			
	Residential Lo	oad Cor	ntrol Service -	8 Hour S	Switch		
(A)	(B)		(C)	(D) =	= (C) - (B)	(E)	= (D) / (B)
USAGE	TOTAL MOI	NTHLY	BILL		BILL DIFF	EREN	CE
TOTAL ENERGY (kWh)	CURRENT	PR	OPOSED	AN	AMOUNT		ERCENT
100 200 300 400 500 600 700 800 900 1,000 1,200 1,500 1,800 2,000 2,500 3,000	\$ 21.49 38.12 54.74 71.37 87.99 104.61 121.24 137.86 154.49 171.11 204.36 254.23 304.10 337.35 420.47 503.59	***	21.56 38.25 54.94 71.63 88.32 105.01 121.70 138.39 155.08 171.77 205.15 255.22 305.29 338.67 422.12 505.57	\$	0.07 0.13 0.20 0.26 0.33 0.40 0.46 0.53 0.59 0.66 0.79 0.99 1.19 1.32 1.65 1.98		0.31% 0.35% 0.36% 0.37% 0.38% 0.38% 0.38% 0.39% 0.39% 0.39% 0.39% 0.39% 0.39%
Customer Charge Distribution Charge Transmission Charge Stranded Cost Reco System Benefits Ch Regulatory Reconci Energy Service Cha	ge per kWh overy Charge arge liation Adjustment	\$	Current Rate 4.87 0.02404 0.02358 0.00459 0.00743 (0.00009) 0.10669		oposed Rate 4.87 0.02470 0.02358 0.00459 0.00743 (0.00009) 0.10669	D \$ \$ \$ \$ \$ \$ \$ \$ \$	ifference - 0.00066 - - - -

				Pub	olic Servi	d/b/a E Doc	of New Hampshire Eversource Energy ket No. DE 19-057 Inment MBP/EAD-2 April 29, 2022 Page 34 of 50
		Турі	ical Bills	by Rate Sche	edule		
	R	esidential Loa	nd Contr	ol Service - 8	Hour No	Switch	
(A)		(B)		(C)	(D) =	= (C) - (B)	(E) = (D) / (B)
USAGE		TOTAL MO	NTHLY	BILL		BILL DIFF	ERENCE
TOTAL ENERGY (kWh)	CL	JRRENT	PR	OPOSED	AN	MOUNT	PERCENT
100 200 300 400 500 600 700 800 900 1,000 1,200 1,500 1,800 2,000 2,500 3,000	\$	21.49 38.12 54.74 71.37 87.99 104.61 121.24 137.86 154.49 171.11 204.36 254.23 304.10 337.35 420.47 503.59	\$	21.56 38.25 54.94 71.63 88.32 105.01 121.70 138.39 155.08 171.77 205.15 255.22 305.29 338.67 422.12 505.57	\$	0.07 0.13 0.20 0.26 0.33 0.40 0.46 0.53 0.59 0.66 0.79 0.99 1.19 1.32 1.65 1.98	0.31% 0.35% 0.36% 0.37% 0.38% 0.38% 0.38% 0.39% 0.39% 0.39% 0.39% 0.39% 0.39%
			(Current Rate		oposed Rate	Difference
Customer Charge Distribution Charge per kWh Transmission Charge per kWh Stranded Cost Recovery Charge System Benefits Charge Regulatory Reconciliation Adjustment Energy Service Charge		\$	4.87 0.02404 0.02358 0.00459 0.00743 (0.00009) 0.10669	\$	4.87 0.02470 0.02358 0.00459 0.00743 (0.00009) 0.10669	0.00066 - - - - - -	

		Pι	Doo	of New Hampshire Eversource Energy cket No. DE 19-057 hment MBP/EAD-2 April 29, 2022 Page 35 of 50
	Турі	cal Bills by Rate Sch	nedule	
	Residential Load	d Control Service - 1	0/11 Hour Switch	
(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MON	NTHLY BILL	BILL DIF	FERENCE
TOTAL ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100 200 300 400 500 600 700 800 900 1,000 1,200 1,500 1,800 2,000 2,500 3,000	\$ 21.49 38.12 54.74 71.37 87.99 104.61 121.24 137.86 154.49 171.11 204.36 254.23 304.10 337.35 420.47 503.59	\$ 21.56 38.25 54.94 71.63 88.32 105.01 121.70 138.39 155.08 171.77 205.15 255.22 305.29 338.67 422.12 505.57	\$ 0.07 0.13 0.20 0.26 0.33 0.40 0.46 0.53 0.59 0.66 0.79 0.99 1.19 1.32 1.65 1.98	0.31% 0.35% 0.36% 0.37% 0.38% 0.38% 0.38% 0.38% 0.39% 0.39% 0.39% 0.39% 0.39% 0.39%
Customer Charge Distribution Charge Transmission Charge Stranded Cost Reco System Benefits Ch Regulatory Reconci Energy Service Cha	ge per kWh overy Charge narge lliation Adjustment	Current Rate \$ 4.87 0.02404 0.02358 0.00459 0.00743 (0.00009) 0.10669	Proposed Rate \$ 4.87 0.02470 0.02358 0.00459 0.00743 (0.00009) 0.10669	Difference - 0.00066 - - - -

		Pub	Doc	of New Hampshire Eversource Energy ket No. DE 19-057 Iment MBP/EAD-2 April 29, 2022 Page 36 of 50
	Турі	cal Bills by Rate Sche	edule	
	Residential Load	Control Service - 10/1	1 Hour No Switch	
(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MOI	NTHLY BILL	BILL DIFF	ERENCE
TOTAL ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100 200 300 400 500 600 700 800 900 1,000 1,200 1,500 1,800 2,000 2,500 3,000	\$ 21.49 38.12 54.74 71.37 87.99 104.61 121.24 137.86 154.49 171.11 204.36 254.23 304.10 337.35 420.47 503.59	\$ 21.56 38.25 54.94 71.63 88.32 105.01 121.70 138.39 155.08 171.77 205.15 255.22 305.29 338.67 422.12 505.57	\$ 0.07 0.13 0.20 0.26 0.33 0.40 0.46 0.53 0.59 0.66 0.79 0.99 1.19 1.32 1.65 1.98	0.31% 0.35% 0.36% 0.37% 0.38% 0.38% 0.38% 0.38% 0.39% 0.39% 0.39% 0.39% 0.39% 0.39%
Customer Charge Distribution Charge Transmission Charg Stranded Cost Reco System Benefits Ch Regulatory Reconcil Energy Service Cha	ge per kWh overy Charge arge liation Adjustment	Current Rate \$4.87 \$0.02404 \$0.02358 \$0.00459 \$0.00743 -\$0.00009 \$0.10669	Proposed Rate \$4.87 \$0.02470 \$0.02358 \$0.00459 \$0.00743 -\$0.00009 \$0.10669	Difference - 0.00066

Public Service Company of New Hampshire 2 d/b/a Eversource Energy Docket No. DE 19-057 3 Attachment MBP/EAD-2 4 5 April 29, 2022 Page 37 of 50 6 7 8 9 Typical Bills by Rate Schedule 10 11 General Service 1 Phase 12 (A) (B) (C) (D) (E) = (D) - (C)(F) = (E) / (C)13 14 **USAGE** TOTAL MONTHLY BILL **BILL DIFFERENCE** 15 MONTHLY MONTHLY 16 17 **DEMAND** USE CURRENT **PROPOSED AMOUNT** PERCENT 18 (KW) (KWH) 19 20 3 375 \$ 83.23 \$ 83.23 \$ 0.00% 1,000 3 183.39 183.39 0.00% 21 0.55 22 6 750 164.84 165.39 0.33% 23 6 1,500 281.56 282.11 0.55 0.20% 24 12 1,500 403.72 407.57 3.85 0.95% 25 30 6,000 1,423.11 13.75 0.97% 1,436.86 26 40 10,000 2,207.07 2,226.32 19.25 0.87% 27 28 Current Proposed 29 30 Rate Rate Difference 31 **Customer Charge** \$ 16.21 \$ 16.21 \$ 32 Demand Charge >5kWh 33 11.69 34 Distribution \$ 12.24 \$ 0.55 \$ 35 Transmission 7.86 7.86 \$ Stranded Cost Recovery Charge 36 0.86 0.86 \$ Regulatory Reconciliation Adjustment (0.05)(0.05)\$ 37 38 \$ Total 20.36 \$ 20.91 \$ 0.55 39 40 Energy Charge < 500kWh 41 Distribution Charge per kWh \$ 0.02820 0.02820 \$ 42 Transmission Charge per kWh 0.02840 0.02840 Stranded Cost Recovery Charge 43 0.00800 0.00800 44 System Benefits Charge 0.00743 0.00743 45 **Energy Service Charge** 0.10669 0.10669 46 47 \$ 0.17872 0.17872 48 49 Energy Charge 501 - 1500 kWh 50 Distribution Charge per kWh \$ 0.02283 0.02283 Transmission Charge per kWh 51 0.01068 0.01068 52 Stranded Cost Recovery Charge 0.00800 0.00800 53 System Benefits Charge 0.00743 0.00743 54 **Energy Service Charge** 0.10669 0.10669 55 56 0.15563 \$ 0.15563 57 Energy Charge >1500 kWh 58 59 Distribution Charge per kWh \$ 0.01724 0.01724 60 Transmission Charge per kWh 0.00573 0.00573 61 Stranded Cost Recovery Charge 0.00800 0.00800 62 System Benefits Charge 0.00743 0.00743 63 Energy Service Charge 0.10669 0.10669 64 65 0.14509 0.14509 66

Note: Immaterial differences due to rounding.

Public Service Company of New Hampshire 1 2 d/b/a Eversource Energy 3 Docket No. DE 19-057 4 Attachment MBP/EAD-2 5 April 29, 2022 Page 38 of 50 6 7 8 9 Typical Bills by Rate Schedule 10 11 General Service 3 Phase 12 (A) (B) (C) (E) = (D) - (C)13 (D) (F) = (E) / (C)14 15 **USAGE** TOTAL MONTHLY BILL BILL DIFFERENCE 16 MONTHLY MONTHLY 17 **DEMAND** USE CURRENT **PROPOSED** AMOUNT PERCENT 18 (KW) (KWH) 19 20 3 375 \$ 99.35 99.41 \$ 0.06 0.06% 21 3 1,000 181.27 199.57 18.30 10.09% 22 6 750 181.57 9.74 5.67% 171.83 23 6 261.23 37.07 14.19% 1,500 298.29 24 12 1,500 383.39 423.75 40.37 10.53% 25 30 6,000 1,402.10 1,453.04 50.94 3.63% 40 26 10,000 2,185.46 2,242.50 57.04 2.61% 27 28 29 Current Proposed 30 Rate Rate Difference 31 **Customer Charge** 32.39 \$ 32.39 \$ 32 33 Demand Charge >5kWh 0.55 Distribution 34 \$ 11.69 \$ 12.24 35 Transmission 7.86 7.86 36 Stranded Cost Recovery Charge 0.86 0.86 37 Regulatory Reconciliation Adjustment (0.05)(0.05)38 Total \$ 20.36 20.91 0.55 39 40 Energy Charge < 500kWh Distribution Charge per kWh \$ 0.02820 \$ 0.00015 41 0.02805 42 Transmission Charge per kWh 0.02840 0.02840 Stranded Cost Recovery Charge 0.00800 43 0.00800 44 System Benefits Charge 0.00743 0.00743 45 **Energy Service Charge** 0.10669 0.10669 46 Total \$ 0.00015 0.17857 0.17872 47 Energy Charge 501 - 1500 kWh 48 \$ 0.00015 49 Distribution Charge per kWh 0.02268 \$ 0.02283 \$ 50 Transmission Charge per kWh 0.01056 0.01068 0.00012 51 Stranded Cost Recovery Charge 0.01225 0.00800 (0.00425)52 System Benefits Charge 0.00743 0.00743 0.04042 53 **Energy Service Charge** 0.06627 0.10669 54 Total \$ \$ 0.15563 \$ 0.03644 0.11919 55 56 Energy Charge >1500 kWh Distribution Charge per kWh 57 \$ 0.01709 0.01724 \$ 0.00015 58 Transmission Charge per kWh 0.00573 0.00573 59 Stranded Cost Recovery Charge 0.00800 0.00800 60 System Benefits Charge 0.00743 0.00743 61 **Energy Service Charge** 0.10669 0.10669 62 Total 0.14494 \$ 0.14509 \$ 0.00015 63 64

Note: Immaterial differences due to rounding.

							d/b/a E Docl	Eversou ket No. nment N Ap	Hampshire urce Energy DE 19-057 MBP/EAD-2 oril 29, 2022 ge 39 of 50
			Typica	l Bills b	y Rate Schedu	ıle			
			1 30100	ii Billo b	y riato conout	110			
		G	Seneral Servi	ce - Und	ontrolled Wat	er Heati	ing		
	(A)		(B)		(C)	(D)	= (C) - (B)	(E)	= (D) / (B)
_	USAGE		TOTAL MO	NTHLY	BILL		TOTAL BILL D	DIFFER	RENCE
	ENERGY	CI	IRRENT	DD	OPOSED		AMOUNT		PERCENT
-	(kWh)		IKKENI	<u> </u>	OPOSED_		AMOUNT		PERCENT
	(KVVII)								
	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	Р	roposed Rate	D	ifference
	Customer Charge	e		\$	4.87	\$	4.87	\$	-
	Distribution Charç				0.02404		0.02519		0.00115
	Transmission Ch	• .			0.02358		0.02358		-
	Stranded Cost Re	-	harge		0.01040		0.01040		-
	System Benefits	•			0.00743		0.00743		-
	Regulatory Recor	Adjustment		(0.00009)		(0.00009)		-	
	Energy Service C	harge			0.10669		0.10669		-

					Pub	lic Serv	Docl	Eversou ket No. nment N Ap	Hampshire urce Energy DE 19-057 MBP/EAD-2 oril 29, 2022 age 40 of 50
			Typica	l Bills b	y Rate Schedu	ıle			
			. 71		,				
			General Serv	rice - Co	ntrolled Wate	r Heatin	ıg		
	(A)		(B)		(C) $(D) = (C) - (B)$			(E)	= (D) / (B)
_	USAGE		TOTAL MO	NTHLY	BILL		TOTAL BILL D	OIFFER	RENCE
	ENEDOV	CL	IDDENT	DD	ODOSED		AMOUNT		DEDOENT
_	ENERGY (kWh)		IRRENT	_PK	OPOSED		AMOUNT		PERCENT
	(KVVII)								
	100	\$	21.59	\$	21.70	\$	0.11		0.53%
	200	*	38.30	•	38.53	Ψ	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	Р	roposed Rate	D	ifference
(Customer Charge	9		\$	4.87	\$	4.87	\$	-
	Distribution Char				0.02404		0.02519		0.00115
	Fransmission Ch	• .			0.02358		0.02358		-
	Stranded Cost Re	-	harge		0.00550		0.00550		-
	System Benefits (•			0.00743		0.00743		-
	Regulatory Reconciliation Adjustment				(0.00009)		(0.00009)		-
Е	Energy Service Charge				0.10669		0.10669		-

1 2 3 4 5 6 7					Pub	lic Serv	Doc	Eversou ket No. nment N Ap	Hampshire Irce Energy DE 19-057 MBP/EAD-2 ril 29, 2022 ge 41 of 50
9			Typica	l Bills by	/ Rate Schedu	ıle			
10 11 12		Genera	l Service Lo	ad Cont	rol Service - R	adio Co	ontrolled		
13	(A)		(B)		(C)	(D)	= (C) - (B)	(E)	= (D) / (B)
14 15	USAGE		TOTAL MO	NTHLY	BILL		TOTAL BILL [DIFFER	ENCE
16		-							
17	ENERGY	CU	RRENT	PR	OPOSED_		AMOUNT		PERCENT
18	(kWh)								
19 20	100	\$	22.59	\$	22.65	\$	0.07		0.29%
21	200	Ψ	38.18	Ψ	38.31	Ψ	0.07		0.25%
22	300		53.78		53.97		0.20		0.37%
23	400		69.37		69.63		0.26		0.38%
24	500		84.97		85.30		0.33		0.39%
25	600		100.56		100.96		0.40		0.39%
26	700		116.16		116.62		0.46		0.40%
27	800		131.75		132.28		0.53		0.40%
28	900		147.35		147.94		0.59		0.40%
29 30	1,000		162.94		163.60		0.66		0.41%
31 32 33				(Current Rate	Pi	roposed Rate	D	ifference
34	Customer Charge	е		\$	6.99	\$	6.99	\$	-
35	Distribution Char				0.01284		0.01350		0.00066
36	Transmission Ch	• .			0.02358		0.02358		-
37	Stranded Cost R	•	narge		0.00550		0.00550		-
38	System Benefits	-			0.00743		0.00743		-
39	Regulatory Reco		djustment		(0.00009)		(0.00009)		-
40	Energy Service C	Charge			0.10669		0.10669		-
41									

1 2 3 4 5 6 7					Pub	ilic Servi	Doc	Eversou ket No. nment N Ap	Hampshire rce Energy DE 19-057 IBP/EAD-2 ril 29, 2022 ge 42 of 50	
9 10			Typica	ıl Bills b	y Rate Schedu	ıle				
10 11 12		Gene	ral Service L	oad Cor	ntrol Service -	8 Hour Switch				
13	(A)		(B)		(C)	(D)	= (C) - (B)	(E)	= (D) / (B)	
14 15	USAGE		TOTAL MO	NTHLY	BILL		TOTAL BILL [DIFFERENCE		
16										
17	ENERGY	CU	RRENT	PR	OPOSED		AMOUNT		PERCENT	
18 19	(kWh)									
20	100	\$	21.59	\$	21.65	\$	0.07		0.31%	
21	200	Ψ	38.30	Ψ	38.43	Ψ	0.07		0.31%	
22	300		55.02		55.21		0.10		0.36%	
23	400		71.73		71.99		0.26		0.37%	
24	500		88.45		88.78		0.33		0.37%	
25	600		105.16		105.56		0.40		0.38%	
26	700		121.88		122.34		0.46		0.38%	
27	800		138.59		139.12		0.53		0.38%	
28	900		155.31		155.90		0.59		0.38%	
29 30	1,000		172.02		172.68		0.66		0.38%	
31										
32 33				(Current Rate	Pı	oposed Rate	Di	fference	
34	Customer Charge	e		\$	4.87	\$	4.87	\$	_	
35	Distribution Char		h	•	0.02404	•	0.02470		0.00066	
36	Transmission Ch	arge per k	Wh		0.02358		0.02358		-	
37	Energy Service C	harge			0.00550		0.00550		-	
38	Stranded Cost Re	ecovery Cl	harge		0.00743		0.00743		-	
39	Regulatory Recor	nciliation A	djustment		(0.00009)		(0.00009)		-	
40	System Benefits	Charge			0.10669		0.10669		-	
41										

42

							nment I Ap	DE 19-057 MBP/EAD-2 oril 29, 2022 age 43 of 50
		Tynica	ıl Rille h	y Rate Schedu	ıle			
		Тургоа	II DIIIO D	y rtate concut	110			
	Genera	I Service Loa	ad Cont	rol Service - 8	Hour N	o Switch		
(A)		(B)		(C)	(D)	= (C) - (B)	(E)	= (D) / (B)
USAGE		TOTAL MO	NTHLY	BILL		TOTAL BILL [DIFFEF	RENCE
					-			
ENERG`	<u>Y</u> CU	RRENT	PR	OPOSED		AMOUNT		PERCENT
(kWh)								
400	•	04.50	•	04.05	•	0.07		0.040/
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	Р	roposed Rate	Г	ifference
Customer C	harge		\$	4.87	\$	4.87	\$	-
	Charge per kW	'h	Ψ	0.02404	Ψ	0.02470	Ψ	0.00066
	on Charge per k			0.02358		0.02358		-
	ost Recovery C			0.00550		0.00550		_
	efits Charge	·· 3 -		0.00743		0.00743		_
	Reconciliation A	Adjustment		(0.00009)		(0.00009)		_
Energy Serv		•		0.10669		0.10669		-

1 2 3 4 5 6 7					Pub	ilic Servi	Doc	Eversou ket No. nment N Ap	Hampshire rce Energy DE 19-057 IBP/EAD-2 ril 29, 2022 ge 44 of 50
8 9			Typica	ıl Bills by	/ Rate Schedu	ıle			
10 11 12		General	Service Loa	d Contro	ol Service - 10)/11 Hou	ır Switch		
13	(A)		(B)		(C)	(D)	= (C) - (B)	(E)	= (D) / (B)
14 15	USAGE		TOTAL MO	NTHLY	BILL		TOTAL BILL [DIFFER	ENCE
16 17	ENERGY	CH	RRENT	PR	OPOSED		AMOUNT	ı	PERCENT
18	(kWh)		INCLIVI		01 0020		71100111		LITOLITI
19	400	ф	24.50	Φ	04.05	ф	0.07		0.240/
20 21	100 200	\$	21.59 38.30	\$	21.65 38.43	\$	0.07 0.13		0.31% 0.34%
22	300		55.02		55.21		0.13		0.34%
23	400		71.73		71.99		0.26		0.30%
24	500		88.45		88.78		0.20		0.37%
25	600		105.16		105.56		0.33		0.37 %
26	700		121.88		122.34		0.46		0.38%
27	800		138.59		139.12		0.53		0.38%
28	900		155.31		155.90		0.59		0.38%
29 30	1,000		172.02		172.68		0.66		0.38%
31									
32 33				(Current Rate	Pı	oposed Rate	Di	fference
34	Customer Charg	е		\$	4.87	\$	4.87	\$	_
35	Distribution Char	ge per kW	h		0.02404		0.02470		0.00066
36	Transmission Ch	arge per k	Wh		0.02358		0.02358		-
37	Stranded Cost R	ecovery Cl	narge		0.00550		0.00550		-
38	System Benefits	Charge			0.00743		0.00743		-
39	Regulatory Reco	nciliation A	djustment		(0.00009)		(0.00009)		-
40 41	Energy Service (Charge			0.10669		0.10669		-
4 I									

42

1 2 3 4 5 6 7					Pub	lic Serv	Doc	Eversou ket No. nment N Ap	Hampshire rce Energy DE 19-057 IBP/EAD-2 ril 29, 2022 ge 45 of 50
9			Typica	l Bills by	/ Rate Schedu	ıle			
10 11 12		General S	Service Load	Control	Service - 10/1	I1 Hour	No Switch		
13	(A)		(B)		(C)	(D)	= (C) - (B)	(E)	= (D) / (B)
14 15	USAGE		TOTAL MO	NTHLY	BILL		TOTAL BILL [DIFFER	ENCE
16 17	ENERGY	CH	RRENT	PR	OPOSED		AMOUNT		PERCENT
18	(kWh)		IXIXLINI		OI OOLD		AMOUNT		LINGLINI
19	, ,								
20	100	\$	21.59	\$	21.65	\$	0.07		0.31%
21	200		38.30		38.43		0.13		0.34%
22	300		55.02		55.21		0.20		0.36%
23	400		71.73		71.99		0.26		0.37%
24	500		88.45		88.78		0.33		0.37%
25	600		105.16		105.56		0.40		0.38%
26	700		121.88		122.34		0.46		0.38%
27	800		138.59		139.12		0.53		0.38%
28	900		155.31		155.90		0.59		0.38%
29 30	1,000		172.02		172.68		0.66		0.38%
31 32				(Current	P	roposed		
33					Rate	-	Rate	Di	fference
34	Customer Charge	е		\$	4.87	\$	4.87	\$	
35	Distribution Char		h	•	0.02404		0.02470		0.00066
36	Transmission Ch	arge per k	Wh		0.02358		0.02358		-
37	Stranded Cost R	ecovery Cl	narge		0.00550		0.00550		-
38	System Benefits	Charge	-		0.00743		0.00743		-
39	Regulatory Reco	nciliation A	djustment		(0.00009)		(0.00009)		-
40	Energy Service C	Charge			0.10669		0.10669		-
41									

42

1 Public Service Company of New Hampshire 2 d/b/a Eversource Energy 3 Docket No. DE 19-057 4 Attachment MBP/EAD-2 5 April 29, 2022 6 Page 46 of 50 7 8 9 Typical Bills by Rate Schedule 10 11 General Service - Optional Time of Day 12 Single Phase 13 14 (A) (B) (C) (D) (E) (F) (G) = (F) - (E)(H) = (G) / (E)15 16 TOTAL MONTHLY BILL **BILL DIFFERENCE** 17 MONTHLY MONTHLY ON-PEAK OFF-PEAK 18 **DEMAND** USE USE USE CURRENT **PROPOSED AMOUNT** PERCENT 19 (KW) (kWh) (kWh) (kWh) 20 21 12 1,500 600 900 \$ 501.12 \$ 507.72 \$ 6.60 1.32% 22 12 1,500 900 600 514.62 521.22 6.60 1.28% 23 1,800 0.92% 3,000 1,200 6.60 12 714.63 721.23 24 12 3,000 1,800 1,200 741.62 748.22 6.60 0.89% 1,800 25 30 4,500 2,700 1,313.09 16.50 1.27% 1.296.59 26 30 4,500 2,700 1,800 1,337.08 1,353.58 16.50 1.23% 30 9,000 3,600 5,400 1,953.60 27 1,937.10 16.50 0.85% 28 30 9,000 5,400 3,600 2,034.59 16.50 2,018.09 0.82% 29 50 4,500 7,500 3,000 2,160.50 27.50 1.29% 2,133.00 30 50 7,500 4,500 3,000 2,200.49 2,227.99 27.50 1.25% 50 31 15,000 6,000 9,000 3,200.52 3,228.02 27.50 0.86% 32 50 15.000 9,000 6,000 3,335.49 3,362.99 27.50 0.82% 75 33 11,250 4,500 6,750 41.25 3,178.51 3,219.76 1.30% 34 75 11,250 6,750 4,500 3,279.74 3,320.99 41.25 1.26% 35 22,500 13,500 75 9,000 4,779.79 4,821.04 41.25 0.86% 36 75 22,500 13,500 9,000 4,982.25 5,023.50 41.25 0.83% 37 38 39 Current Proposed 40 Rate Rate Difference 41 \$ \$ Customer Charge - Single Phase 41.98 41.98 \$ 42 Demand Charges 43 44 Distribution 15.12 \$ 0.55 15.67 45 Transmission 5.18 5.18 \$ \$ 46 Stranded Cost Recovery 0.27 0.27 47 Regulatory Reconciliation Adjustment (0.10)(0.10)\$ 48 Total Demand Charge 0.55 20.47 21.02 49 50 Energy Charge On Peak kWh \$ 0.05350 0.05350 51 Distribution Charge per kWh \$ 52 Transmission Charge per kWh 53 Stranded Cost Recovery Charge 0.00171 0.00171 54 System Benefits Charge 0.00743 0.00743 55 **Energy Service Charge** 0.10669 0.10669 56 Total per On Peak kWh 0.16933 0.16933 57 58 Energy Charge Off Peak kWh 59 \$ 0.00851 0.00851 \$ Distribution Charge per kWh 60 Transmission Charge per kWh 61 Stranded Cost Recovery Charge 0.00171 0.00171 62 System Benefits Charge 0.00743 0.00743 63 0.10669 0.10669 **Energy Service Charge** 64 Total per Off Peak kWh 0.12434 0.12434 65 66

Note: Immaterial differences due to rounding.

1 Public Service Company of New Hampshire 2 d/b/a Eversource Energy Docket No. DE 19-057 3 4 Attachment MBP/EAD-2 April 29, 2022 5 6 Page 47 of 50 7 8 Typical Bills by Rate Schedule 9 10 11 General Service - Optional Time of Day 12 Three Phase 13 (B) 14 (A) (C) (D) (E) (F) (G) = (F) - (E)(H) = (G) / (E)15 TOTAL MONTHLY BILL 16 **BILL DIFFERENCE** ON-PEAK MONTHLY MONTHLY OFF-PEAK 17 18 DEMAND USE USE USE CURRENT **PROPOSED AMOUNT** PERCENT 19 (KW) (kWh) (kWh) (kWh) 20 21 12 1,500 600 900 \$ 470.54 \$ 531.16 \$ 60.62 12.88% 22 12 1,500 900 600 484.04 544.66 60.62 12.52% 3,000 1,800 635.45 750.08 18.04% 23 12 1,200 114.63 24 12 3,000 1,800 1,200 662.44 777.07 114.63 17.30% 178.55 25 30 4.500 1,800 2,700 1,168.81 1.347.36 15.28% 26 30 4,500 2,700 1,800 1,209.30 1,387.85 178.55 14.76% 30 5,400 9,000 3,600 27 1,663.52 2,004.11 340.59 20.47% 28 30 9,000 5,400 3,600 1,744.51 2,085.10 340.59 19.52% 50 7,500 3,000 297.58 15.60% 29 4,500 1,908.02 2,205.60 30 50 7,500 4,500 3,000 1,975.51 2,273.08 297.58 15.06% 50 3,300.19 31 15,000 6,000 9,000 2,732.54 567.65 20.77% 32 50 15.000 9,000 6,000 2,867.51 3,435.16 567.65 19.80% 11,250 4,500 75 6,750 446.36 33 2,832.03 3,278.39 15.76% 34 75 11,250 6,750 4,500 2,933.26 3,379.62 446.36 15.22% 35 22,500 9,000 13,500 75 4,068.81 4,920.29 851.48 20.93% 36 75 22,500 13,500 9,000 4,271.27 5,122.74 851.48 19.93% 37 38 39 Current Proposed Difference 40 Rate Rate \$ \$ 41 Customer Charge - Three Phase 60.00 60.00 42 Demand Charges 43 44 Distribution 15.12 15.67 \$ 0.55 45 Transmission 5.18 5.18 46 Stranded Cost Recovery 0.27 0.27 47 Regulatory Reconciliation Adjustment (0.10)(0.10)48 **Total Demand Charge** 21.02 0.55 20.47 49 50 Energy Charge On Peak kWh \$ 0.05350 0.05350 51 Distribution Charge per kWh \$ Transmission Charge per kWh 52 53 Stranded Cost Recovery Charge 0.00532 0.00532 54 System Benefits Charge 0.00743 0.00743 Energy Service Charge 0.10669 55 0.10669 56 Total per On Peak kWh 0.13693 0.17294 0.03601 57 58 Energy Charge Off Peak kWh Distribution Charge per kWh \$ 0.00851 0.00851 \$ 59 \$ 60 Transmission Charge per kWh 61 Stranded Cost Recovery Charge 0.00532 0.00532 62 System Benefits Charge 0.00743 0.00743 0.10669 0.10669 63 **Energy Service Charge** 0.03601 64 Total per Off Peak kWh 0.09194 0.12795 65 66

Note: Immaterial differences due to rounding.

1 2 3 4 5 6 7					Pub	olic Serv	Doc	Eversoo ket No. Iment I Ap	Hampshire urce Energy DE 19-057 MBP/EAD-2 oril 29, 2022 uge 48 of 50
8 9			Tynica	ıl Rills b	y Rate Schedı	ıle			
10			1 30100	ii Billo b	y riaio conodi	a10			
11			Genera	l Service	e - Space Hea	iting			
12 13 14	(A)		(B)		(C)	(D)	= (C) - (B)	(E)	= (D) / (B)
15	USAGE		TOTAL MO	NTHLY	BILL		TOTAL BILL D	OIFFEF	RENCE
16									
17	ENERGY	CU	RRENT	PR	OPOSED		AMOUNT		PERCENT
18	(kWh)								
19	400	•	00.00	•	00.00	•	0.40		0.450/
20	100	\$	22.26	\$	22.36	\$	0.10		0.45%
21	200		41.28		41.48		0.20		0.48%
22	300		60.29		60.59		0.30		0.50%
23	400		79.31		79.71		0.40		0.50%
24	500		98.33		98.83		0.50		0.51%
25	600		117.35		117.95		0.60		0.51%
26 27	700		136.37		137.07		0.70		0.51%
28									
29				(Current	Р	roposed	_	1.55
30	0 1 01				Rate		Rate		ifference
31	Customer Charge		,,	\$	3.24	\$	3.24	\$	-
32	Distribution Charg				0.04135		0.04235		0.00100
33	Transmission Ch	• .	avvn		0.02840		0.02840		-
34	Energy Service C	•	baras		0.00650		0.00650		-
35	Stranded Cost Re	-	-		0.00743		0.00743		-
36 37	Regulatory Reco		Aujustment		(0.00019)		(0.00019)		-
37 38	System Benefits	Charge			0.10669		0.10669		-
30									

39

					1 42		d/b/a E Docl	of New Hampsl Eversource Ene ket No. DE 19-0 nment MBP/EAI April 29, 20 Page 49 of
		Туј	pical Bills by R	tate Sc	hedule			
			Rate 0	ΞV				
(A)	(B)		(C)		(D)	(E) =	= (D) - (C)	(F) = (E) / (
USAGE			TOTAL MO	NTHLY	' BILL		BILL DIFF	ERENCE
	MONTHLY		UDDENIT	DI	2000050		MOUNT	DEDOEN
DEMAND (KW)	USE (KWH)		URRENT	Pr	ROPOSED	Ar	MOUNT	PERCEN
()	, ,							
75 	15,000	\$	2,976.99	\$	2,969.86	\$	(7.13)	-0.2
75	30,000		4,375.14		4,368.01		(7.13)	-0.1
150	30,000		5,729.77		5,715.51		(14.26)	-0.2
150	60,000		8,526.07		8,511.81		(14.26)	-0.1
300	60,000		11,222.33		11,193.81		(28.52)	-0.2
300 500	120,000 100,000		16,814.93 18,545.75		16,786.41 18,498.21		(28.52) (47.54)	-0.1 -0.2
500	200,000		27,866.75		27,819.21		(47.54) (47.54)	-0.2 -0.1
1,000	200,000		36,854.29		36,759.21		(95.08)	-0.1 -0.2
1,000	400,000		55,350.29		55,255.21		(95.08)	-0.1
Customer Charge Demand 1-100 kW		\$	211.21	\$	211.21	\$	-	
Distribution		\$	6.98	\$	7.21	\$	0.23	
Transmission		-	10.52		10.52	•	-	
Stranded Cost Recovery			0.76		0.45		(0.31)	
Regulatory Reconciliatio	n Adjustment		(0.02)		(0.04)		(0.02)	
Total		\$	18.24	\$	18.14	\$	(0.10)	
Demand > 100 kW								
Distribution		\$	6.72	\$	6.95	\$	0.23	
Transmission	Char		10.52		10.52		(0.04)	
Stranded Cost Recovery			0.76		0.45		(0.31)	
Regulatory Reconciliatio Total	n Aujustinent	\$	(0.02) 17.98		(0.04) \$17.88	\$	(0.02)	
าบเสเ		Ф	17.98		\$17.88	Ф	(0.10)	
Energy Charge 1 - 200,0		•	0.00000	_	0.00000	•		
Distribution Charge per l		\$	0.00663	\$	0.00663	\$	-	
Transmission Charge pe			- 0.00624		0.00634		-	
Stranded Cost Recovery System Benefits Charge			0.00624 0.00743		0.00624 0.00743		-	
System benefits Charge Energy Service Charge			0.00743		0.00743		-	
Total		\$	0.09321	\$	0.09321	\$	-	
Energy Ob 200 201	0 14Mb							
Energy Charge >200,000 Distribution Charge per I		\$	0.00590	\$	0.00590	\$	_	
Transmission Charge per i		Φ	0.00390	Ф	0.00590 -	Φ	-	
Stranded Cost Recovery			0.00624		0.00624		-	
System Benefits Charge	•		0.00743		0.00743		_	
Energy Service Charge			0.07291		0.07291		-	
Total		\$	0.09248	\$	0.09248	\$	_	

(H) = (G) / (E)

(A)

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment MBP/EAD-2 April 29, 2022 Page 50 of 50

(G) = (F) - (E)

BILL DIFFERENCE

Typical Bills by Rate Schedule

Rate LG

(E)

TOTAL MONTHLY BILL

(F)

(D)

(C)

(B)

				IOTALN	ION I HLY BILL	BILL DIFF	ERENCE
MONTHLY DEMAND (KVA)	MONTHLY USE (KWH)	ON-PEAK USE (KWH)	OFF-PEAK USE (KWH)	CURRENT	PROPOSED	AMOUNT	PERCENT
3,000 3,000 3,000 3,000 3,000 3,000 3,000	300,000 600,000 900,000 1,200,000 1,500,000 1,800,000 2,100,000	120,000 240,000 360,000 480,000 600,000 720,000 840,000	180,000 360,000 540,000 720,000 900,000 1,080,000 1,260,000	\$ 77,478.66 104,019.06 130,559.46 157,099.86 183,640.26 210,180.66 236,721.06	\$ 78,045.69 104,586.09 131,126.49 157,666.89 184,207.29 210,747.69 237,288.09	\$ 567.03 567.03 567.03 567.03 567.03 567.03	0.73% 0.55% 0.43% 0.36% 0.31% 0.27% 0.24%
Customer Char	ge			Current Rate \$ 660.15	Proposed Rate \$ 660.15	Difference	
	Recovery Charge onciliation Adjustment	-		\$ 5.92 10.36 0.50 (0.02) \$ 16.76	\$ 6.11 10.36 0.50 (0.02) \$ 16.95	\$ 0.19 \$ - \$ - \$ 0.19	
Energy Charge Distribution Cha Transmission C Stranded Cost I System Benefits Energy Service Total	arge per kWh harge per kWh Recovery Charge s Charge	_		\$ 0.00559 - 0.00393 0.00743 0.07291 \$ 0.08986	\$ 0.00559 - 0.00393 0.00743 0.07291 \$ 0.08986	\$ - - - - - - - -	
Energy Charge Distribution Cha Transmission C Stranded Cost I System Benefits Energy Service Total	arge per kWh harge per kWh Recovery Charge s Charge	_		\$ 0.00473 - 0.00247 0.00743 0.07291 \$ 0.08754	\$ 0.00473 - 0.00247 0.00743 0.07291 \$ 0.08754	\$ - - - - - - - - -	

Note: Immaterial differences due to rounding.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 1 of 34

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

4th Revised Page 41 Superseding 3rd 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

Cı	ustomer Charge	\$13.81 per month				
Er	nergy Charges:	Per Kilowatt-Hour				
	Distribution Charge					
	Regulatory Reconciliation Adjustment(0.032)¢					
	Transmission Charge					
	Stranded Cost Recovery					
Issued:	April 29, 2022	Issued by: /s/Douglas Foley				
	•	Douglas Foley				
Effective:	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.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 2 of 34

NHPUC NO. 10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 4th Revised Page 42 Superseding 2nd Page 42 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:

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:					
	Regulatory Reconciliation Adjust Transmission Charge					
Issued:	April 29, 2022	Issued by: /s/ Douglas W. Foley Douglas W. Foley				
Effective:	August 1, 2022	Title: President, NH Electric Operations				
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.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 3 of 34

NHPUC NO. 10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 4th Revised Page 45 Superseding 2nd 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 M	MONTH				
Custon	mer Charge	\$	32.08 per month		
Energy	y Charges:	Per K	ilowatt-Hour		
Di	stribution Charges:				
	On-Peak Hours (7:00 a.m. to 8:00 weekdays excluding Holidays)		5.263¢		
	Off-Peak Hours (all other hours)		0.986¢		
	Regulatory Reconciliation Adjustn	nent((0.032)¢		
Tr	ransmission Charges:				
	On-Peak Hours (7:00 a.m. to 8:00 weekdays excluding Holidays)		3.046¢		
	Off-Peak Hours (all other hours)		1.989¢		
Str	randed 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.					
Issued: A _I	pril 29, 2022	Issued by:	/s/ Douglas W. Foley Douglas W. Foley		
Effective: Au	igust 1, 2022	Title:	President, NH Electric Operations		

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.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 4 of 34

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

4th Revised Page 47 Superseding 2nd Page 47 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.

Issued:	April 29, 2022	Issued by: _	/s/ Douglas W. Foley	
	•	, -	Douglas W. Foley	
Effective:	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. 26,502 in Docket No. DE 21-117, dated July 29, 2021 and NHPUC Order No. 26,503 in Docket No. DE 21-029, dated July 30, 2021 and NHPUC Order No. 26,504 in Docket No. DE 19-057, dated July 30, 2021.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 5 of 34

NHPUC NO. 10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 4th Revised Page 50 Superseding 3rd 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 PE	R MONTH	S	ingle-Phase Service	Three-Phase Service			
Cu	stomer Charge	\$1	6.21 per month	\$32.39 per month			
Cu	stomer's Load Charges:			f Customer Load 5.0 Kilowatts			
	Distribution Charge\$12.24						
	Regulatory Reconciliation Adjustment	t	\$(0	0.10)			
	Transmission Charge		\$7.	86			
	Stranded Cost Recovery		\$0.	.53			
Issued:	April 29, 2022	Issued by	y: /s/ Dougla Dougla	as W. Foley as W. Foley			
Effective:	August 1, 2022	Title:	President, NH I	Electric Operations			

Authorized NHPUC Order No. 26,569 in Docket No. DE 21-117, dated July 29, 2021 and NHPUC Order No. 26,570 in Docket No. DE 21-029, dated July 30, 2021.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 6 of 34

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

4th Revised Page 51 Superseding 3rd Revised Page 51 Rate G

Energy Charges:

	Per Kilowatt-Hour
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¢
HEATING INCONTROLLED	

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:

¢4.07

Meter Charge\$4.87 per month
Energy Charges:
Distribution Charge2.519¢ per kilowatt-hour
Regulatory Reconciliation Adj(0.018)¢ per kilowatt-hour
Transmission Charge2.358¢ per kilowatt-hour
Stranded Cost Recovery0.53¢ per kilowatt-hour

WATER HEATING - CONTROLLED

N/ (O1

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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			Douglas W. Foley
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Docket No. D	E 21-117, dated July 29, 2021	and NHPUC Order No. 26,503 in Do	ocket No. DE 21-029, dated July 30, 2021 and

NHPUC Order No. 26,504 in Docket No. DE 19-057, dated July 30, 2021.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 7 of 34

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

4th Revised Page 52 Superseding 3rd 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:

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 Charge4.235¢ per kilowatt-hour
Regulatory Reconciliation Adj(0.019)¢ per kilowatt-hour
Transmission Charge
Stranded Cost Recovery

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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			Douglas W. Foley	
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Effective:	August 1, 2022	Title:	President, NH Electric Operations	

[.] 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

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 8 of 34

NHPUC NO. 10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 4th Revised Page 55 Superseding 3rd 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		Single-Phase Service	Three-Phase Service			
Cı	stomer Charge	\$41.98 per month	\$60.00 per month			
Cı	Customer's Load Charges: Per Kilowatt of Customer Load					
	Distribution Charge					
Energy Charges:						
	Distribution Charges: Per Kilowatt-Hour					
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¢			
Issued:	April 29, 2022	Issued by: /s/Do	-			
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Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 9 of 34

NHPUC NO. 10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 4th Revised Page 59 Superseding 3rdRevised Page 59 Rate LCS

Energy Charges:

	- 67	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)¢
Transmissi	on 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 ¢
) (EEEE C		

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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	•		Douglas W. Foley
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Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 10 of 34

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

4th Revised Page 62 Superseding 3rd Page 62 Rate GV

Per Kilowatt of Maximum Demand

	Per Kilowatt of Maximum D
Demand Charges:	
Distribution Charges:	
2 iouro unon changes.	
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:	
Zhergy 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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Douglas W. Foley

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Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 11 of 34

NHPUC NO. 10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 4th Revised Page 66 Superseding 3rd 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

Cı	astomer Charge		\$660.15 per month								
De	emand 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										
En	nergy Charges:		Per Kilowatt-Hour								
	Distribution Charges:										
	On-Peak Hours		0.559¢								
	Off-Peak Hours		0.473¢								
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Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 12 of 34

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

4th Revised Page 72 Superseding 3rd Revised Page 72 Rate B

Demand Charges:

For Customers who take service at 115,000 volts or higher, the following charges ap	For (Customers who	take service at	115,000 volts	or higher,	the following	charges app	οly
---	-------	---------------	-----------------	---------------	------------	---------------	-------------	-----

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:

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 d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 13 of 34

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

3rd Revised Page 75 Superseding 2nd 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 No														3.6 3.1
Light	Power							_						Monthly
Output	Rating								<u>minai</u>					Distribution
Lumens	Watts	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	May	<u>Jun</u>	<u>Jul</u>	Aug	<u>Sep</u>	<u>Oct</u>	Nov	<u>Dec</u>	Rate
High Pre			•	•						4.0				4. .
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
Metal Ha	ılide:													
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
Light En	nitting D		LED):	:										
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:

Lamp No	ominal													
Light	Power													Monthly
Output	Rating]	Montl	ıly K	WH p	er Lu	minai	re				Distribution
Lumens	Watts	<u>Jan</u>	<u>Feb</u>	Mar	<u>Apr</u>	May	Jun	<u>Jul</u>	Aug	<u>Sep</u>	<u>Oct</u>	Nov	Dec	Rate
Incandes	cent:				_	_			_	_				
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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Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 14 of 34

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

 3^{rd} Revised Page 76 Superseding 2^{nd} Revised Pag9e 76 Rate OL

Lamp No	ominal_													
Light	Power													Monthly
Output	Rating				Montl	ıly KV	WH p	er Lu	minai	re				Distribution
Lumens	Watts	<u>Jan</u>	<u>Feb</u>	Mar	<u>Apr</u>	May	<u>Jun</u>	<u>Jul</u>	Aug	<u>Sep</u>	<u>Oct</u>	Nov	Dec	Rate
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
Fluoresc	ent:													
20,000		139	115	_	94	85	76	82	93	104	123	132	143	\$35.03
High Pre	ssure So	dium i	in Exi	sting	Merci	ury Lı	ımina	ires:						
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.

<u>Midnight Service Option</u>: The monthly kilowatt-hours and distribution rates for each luminaire served under the midnight service option are shown below.

Lamp No	ominal													
Light	Power													Monthly
Output	Rating]	Montl	nly K	WH p	er Lu	minaiı	re				Distribution
Lumens	Watts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate
High Pre	ssure Sc	dium:												
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 Ha	alide:													
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 DBA EVERSOURCE ENERGY 3rd Revised Page 77 Superseding 1st Revised Page 77 Rate OL

Lamp No Light Output	ominal Power Rating]	Montl	aly KV	WH p	er Lui	minaiı	·e				Monthly Distribution
Lumens	Watts	Jan	<u>Feb</u>		<u>Apr</u>	May	Jun	<u>Jul</u>	Aug	Sep	Oct	Nov	Dec	Rate
Light En	nitting Di	iode (l	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 allnight 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 allnight 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:	April 29, 2022	Issued by:	/s/ Douglas W. Foley
	-	-	Douglas W. Foley
Effective:	August 1, 2022	Title:	President, NH Electric Operations

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 16 of 34

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

3rd Revised Page 82 Superseding 2^{ndt} Revised Page 82 Rate EOL

which are billed in conjunction with service rendered under a metered Rate Schedule, the kilowatthours 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.

<u>All-Night Service Option</u>: The monthly kilowatt-hours and distribution rates for each fixture served under the all-night service option are shown below.

Lamp No	<u>ominal</u>													
Light	Power													Monthly
Output	Rating				Montl	nly K	WH p	er Fix	ture					Distribution
Lumens	Watts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate
High Pre	ssure So	dium:			_	_				_				
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
Metal Ha	ılide:													
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:

	Per	Per
	<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												
Ja	<u>ın I</u>	Feb_	<u>Mar</u>	<u>Apr</u>	May	<u>Jun</u>	<u>Jul</u>	Aug	<u>Sep</u>	<u>Oct</u>	Nov	Dec
42	21 3	350	342	286	257	230	248	283	316	372	399	433
Issued: April 29, 2022						Issued by: /s/ Douglas W. Foley						
									-		Dou	ıglas W. Foley
Effectiv	7e•	A11011	ıst 1, 20	122				Titl	۵۰	Pre	esident N	H Electric Operatio

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 17 of 34

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

3rd Revised Page 83 Superseding 2nd Revised Page 83 Rate EOL

Per

Per

Midnight Service Option:

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

Lamp No	ominal													
Light	Power													Monthly
Output	Rating]	Montl	ıly K	WH p	er Fix	ture					Distribution
Lumens	Watts	<u>Jan</u>	<u>Feb</u>	Mar	<u>Apr</u>	May	<u>Jun</u>	<u>Jul</u>	Aug	<u>Sep</u>	<u>Oct</u>	Nov	<u>Dec</u>	Rate
High Pre	ssure Sc	dium:												
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
Metal Ha	alide:													
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:

	1 (1	1 (1
	<u>Fixture</u>	Watt
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												
<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>	Oct	Nov	<u>Dec</u>	
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.

Issued:	April 29, 2022	Issued by:	/s/ Douglas W. Foley
			Douglas W. Foley
Effective:	August 1, 2022	Title:	President, NH Electric Operations

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.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 18 of 34

NHPUC NO. 10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 43^{thrd} Revised Page 41 Superseding 32^{rnd} 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

Cu	stomer Charge	\$13.81	per month						
En	ergy Charges:	Per Kilov	<u>vatt-Hour</u>						
	Distribution Charge	5. <u>3</u>	8 <u>63</u> 196 ¢						
	Regulatory Reconciliation Adjustment(0.032)¢								
	Transmission Charge								
	Stranded Cost Recovery	0.4	.58¢						
Issued:	February 1April 29, 2022	Issued by:	/s/Douglas Foley Douglas Foley						
Effective:	January1August 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.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 19 of 34

NHPUC NO. 10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 34^{thrd} Revised Page 42 Superseding 2nd Page 42 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:

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:

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

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 20 of 34

NHPUC NO. 10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 43^{thrd} Revised Page 45 Superseding 2nd 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)15.095263¢ 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¢ 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. Issued: February 1 April 29, 2022 /s/ Douglas W. Foley Douglas W. Foley Effective: February August 1, 2022 Title: President, NH Electric Operations

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.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 21 of 34

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

43^{thrd} Revised Page 47 Superseding 2nd Page 47 Rate R-OTOD

Meter	Charge	\$4.87 per month
Energ	y Charges:	
	Distribution Charge	2. <mark>404<u>519</u>¢ per kilowatt-hou</mark>
	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.

Issued:	February 2, April 29, 2022	Issued by:	/s/ Douglas W. Foley	
		_	Douglas W. Foley	
Effective:	Echeuges August 1 2022	Title	President NH Flectric Operations	

Authorized by NHPUC Order No. 26,501 in Docket No. DE 21-109, dated July 29, 2021 and NHPUC Order No. 26,502 in Docket No. DE 21-117, dated July 29, 2021 and NHPUC Order No. 26,503 in Docket No. DE 21-029, dated July 30, 2021 and NHPUC Order No. 26,504 in Docket No. DE 19-057, dated July 30, 2021.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 22 of 34

NHPUC NO. 10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 43^{thrd} Revised Page 50 Superseding 3rd 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 PE	ER MONTH	Single-P		Three-Phase Service			
Cı	ustomer Charge	\$16.21 pe	er month	\$32.39 per month			
Cı	ustomer's Load Charges:			f Customer Load f 5.0 Kilowatts			
	Distribution Charge \$11.692.24						
	Regulatory Reconciliation Adjustmen	ıt	\$(0	0.10)			
	Transmission Charge		\$7	.86			
	Stranded Cost Recovery		\$0	.53			
Issued:	February 1April 29, 2022	Issued by:	_	as W. Foley as W. Foley			
Effective:	February 1 August 1, 2022	Title: P	resident, NH	Electric Operations			

Authorized NHPUC Order No. 26,569 in Docket No. DE 21-117, dated July 29, 2021 and NHPUC Order No. 26,570 in Docket No. DE 21-029, dated July 30, 2021.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 23 of 34

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

43^{thrd} Revised Page 51
Superseding 32^{rnd} Revised Page 51
Rate G

Per Kilowatt-Hour

C Knowatt-Hour
2.820¢
2.283¢
1.724¢
2.840¢
1.068¢
0.573¢
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. 404<u>519</u>¢ 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

Issued by:	/s/Douglas W. Foley
•	Douglas W. Foley
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. 26,502 in Docket No. DE 21-117, dated July 29, 2021 and NHPUC Order No. 26,503 in Docket No. DE 21-029, dated July 30, 2021 and NHPUC Order No. 26,504 in Docket No. DE 19-057, dated July 30, 2021.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 24 of 34

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

34^{thrd} Revised Page 52 Superseding 3rd 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:

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. 135 <u>235</u> ¢ 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.

Issued:	February 1 April 29, 2022	Issued by:	/s/Douglas W. Foley
			Douglas W. Foley
Effective:	February August 1, 2022	Title:	President, NH Electric Operations

[.] 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.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 25 of 34

NHPUC NO. 10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 3rd-4th Revised Page 55 Superseding 32^{rdnd} 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 PE	R MONTH	Single-Phase Service	Three-Phase Service
Cu	stomer Charge	\$41.98 per month	\$60.00 per month
Cu	stomer's Load Charges:	Per Kilowatt o	of Customer Load
	Distribution Charge	\$ \$	(0.10) 5.18
En	nergy Charges:	Dar V	ilowatt-Hour
	Distribution Charges:	<u>rei k</u>	<u>mowatt-Hour</u>
	On-Peak Hours (7:00 a.m. to 8:00 pweekdays excluding Holidays)		5.350¢
	Off-Peak Hours (all other hours)		0.851¢
	Stranded Cost Recovery		0.171¢
Issued:	February 1April 29, 2022	Issued by: /s/Dougl	
		Doug	las W. Foley
Effective:	February August 1, 2022	Title: President, NH	Electric Operations

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. 26,569 in Docket No. DE 19-057, dated January 25, 2022.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 26 of 34

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

43^{thrd} Revised Page 59 Superseding 32^{rnd}Revised Page 59 Rate LCS

Energy Charges:

Per	· K	ilo	W	at	t-	H	ou	r

Distribution Charges:

 Radio-Controlled Option
 1.284350¢

 8-Hour, 10-Hour or 11-Hour Option
 2.404470¢

Regulatory Reconciliation Adjustment:

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

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

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.

Issued: February 1 April 29, 2022 Issued by: /s/ Douglas W. Foley
Douglas W. Foley

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

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.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 27 of 34

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

43thrd Revised Page 62 Superseding 32^{rnd} Page 62 Rate GV

n Demand

D. LG	Per Kilowatt of Maximum
Demand Charges:	
Distribution Charges:	
First 100 kilowatts	\$ 6.98 <u>7.21</u>
Excess Over 100 kilowatts	\$6. <u>95</u> 72
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¢

/s/ Douglas W. Foley Issued: February 1 April 29, 2022 Douglas W. Foley Effective: Title: President, NH Electric Operations February August 1, 2022

Authorized by NHPUC Order No. 26,569 in Docket No. DE 21-117, dated January 25, 2022 and NHPUC Order No. 26,503 in Docket No. DE 21-029, dated January 25, 2022 and NHPUC Order No. 26,504 in Docket No. DE 19-057, dated January 25, 2022.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 28 of 34

NHPUC NO. 10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 43^{thrd} Revised Page 66 Superseding 32rd 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

Cı	istomer Charge	•••••	\$660.15 per month
De	emand Charges:	D 1771	
		Per Kilovolt-	-Ampere of Maximum Demand
	Distribution Charge		\$ 5.92 <u>6.11</u>
	Regulatory Reconciliation Adjustme	nt	\$(0.04)
	Transmission Charge		\$10.36
	Stranded Cost Recovery		\$0.22
Er	nergy Charges:		
			Per Kilowatt-Hour
	Distribution Charges:		
	On-Peak Hours		0.559¢
	Off-Peak Hours		0.473¢
Issued:	February 1April 29, 2022	Issued by:	/s/ Douglas W. Foley
			Douglas W. Foley
Effective:	February August 1, 2022	Title:	President, NH Electric Operations

Authorized by NHPUC Order No. 26,570 in Docket No. DE 21-117, dated January 25, 2022 and NHPUC Order No. 26,568 in Docket No. DE 21-029, dated January 25, 2022 and NHPUC Order No. 26,504 in Docket No. DE 19-057, dated January 25, 2022.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 29 of 34

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

43^{thrd} Revised Page 72 Superseding 32^{rnd} Revised Page 72 Rate B

Demand Charges:

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

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.

Issued: Issued by: /s/ Douglas W. Foley February 1 April 29, 2022 Douglas W. Foley

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

Authorized by NHPUC Order No. 26,569 in Docket No. DE 21-117, dated January 25, 2021 and NHPUC Order No. 26,570 in Docket No. DE 21-029, dated January 252021 and NHPUC Order No. 26,568 in Docket No. DE 19-057, dated January 25.

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 30 of 34

NHPUC NO. -10 - ELECTRICITY DELIVERY
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
DBA EVERSOURCE ENERGY
Superseding 1st 2nd 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 No	ominal													
Light	Power													Monthly
Output	Rating								minai					Distribution
Lumens	<u>Watts</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	May	<u>Jun</u>	<u>Jul</u>	Aug	<u>Sep</u>	<u>Oct</u>	Nov	<u>Dec</u>	Rate
High Pre														
4,000		24	20	20	17	15	13	14	16	18	22	23	25	\$15. 59 <u>94</u>
5,800		36	30	30	25	22	20	21	24	27	32	35	37	15. 59 <u>94</u>
9,500		53	44	43	36	33	29	31	36	40	47	51	55	2 <u>1.20</u> . 73
16,000		80	66	65	54	49	43	47	53	60	70	75	82	29 .32 .98
30,000		128	107	104	87	78	70	76	86	96	114	122	132	30. 05 <u>72</u>
50,000		196	163	159	133	120	107	116	132	147	173	186		3 <u>1.06</u> 0.39
130,000	1,000	462	384	375	314	282	252	272	310	347	408	438	475	49.85
3.6 . 1.77	11.1													
Metal Ha		27	21	20	25	22	20	22	25	20	22	25	20	φ1.c.coo.c
5,000		37	31	30	25	23	20	22	25	28	33	35	38	\$16. <u>62</u> 26
8,000		51	42	41	35	31	28	30	34	38	45	48	53	22. <u>7626</u>
13,000		80	66	65	54	49	44	47	54	60	71	76		
13,500		87	72	71	59	53	47	51	58	65	77	82	89	31. <u>8</u> 49
20,000		121	101	98	82	74	66	71	81	91	107	115	125	31. <u>8</u> +9
36,000		190	158	154	129	116	104	112	127	142	167	180	195	3 1.48 2.18
100,000	1,000	455	378	369	309	278	248	268	306	341	402	431	468	4 7.19 <u>8.24</u>
I :-1-4 E	.:44: D	:-1-0	LED)											
Light En					0	7	6	7	0	0	10	11	12	¢10.2052
2,500		12	10	10	8	7	6	7	8	9	10	11	12	\$10. 29 <u>52</u>
4,100		15	13	12	10	9	8	9	10	11	13	14	16	10. 27 <u>50</u>
4,800		21	18	17	15	13	12	13	14	16	19	20	22	10. <u>67</u> 44
8,500		39	32	31	26	24	21	23	26	29	34	37	40	11. <u>73</u> 4 7
13,300		60	50	49	41	36	33	35	40	45	53	57	61	12. <u>96</u> 67
24,500	220	93	77	75	63	57	51	55	62	70	82	88	95	1 <u>6.25</u> 5.89

For Existing Installations Only:

6	nal wer ting			1	Month	nly KV	VH p	er Luı	minaiı	æ				Monthly Distribution
Lumens Wa		an]	Feb			May					Oct	Nov	Dec	Rate
Incandescen	ıt:													
600	105	44	37	36	30	27	24	26	30	33	39	42	45	\$ 8.98 9.18
1,000	105	44	37	36	30	27	24	26	30	33	39	42	45	10.25 03
2,500	205	86	72	70	59	53	47	51	58	65	76	82	89	13.15 .86
6,000	448 1	89	157	153	128	115	103	111	127	142	167	179	194	22. <u>59</u> 10

Issued: February 1 April 29, 2022 Issued by: /s/ Douglas W. Foley
Douglas W. Foley

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

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 31 of 34

NHPUC NO. -10 - ELECTRICITY DELIVERY 32^{rdnd} Revised Page 76 PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE Superseding 21^{ndst} Revised Pag2e 76 DBA EVERSOURCE ENERGY Rate OL

Lamp No	<u>ominal</u>													
Light	Power													Monthly
Output	Rating]	Montl	nly K	WH p	er Lu	minai	re]	Distribution
Lumens	Watts	<u>Jan</u>	<u>Feb</u>	Mar	<u>Apr</u>	May	<u>Jun</u>	<u>Jul</u>	Aug	Sep	<u>Oct</u>	Nov	Dec	Rate
Mercury	:				_	_				_				
3,500	100	49	41	40	34	30	27	29	33	37	44	47	51\$	1 <u>4.06</u> 3.75
7,000	175	86	72	70	59	53	47	51	58	65	76	82	89	16. 55 92
11,000	250	123	102	100	84	75	67	72	83	92	109	117	126	20. <u>91</u> 4 6
15,000	400	191	159	155	130	116	104	112	128	143	168	181	196	23. <u>92</u> 40
20,000	400	191	159	155	130	116	104	112	128	143	168	181	196	25. <u>8326</u>
56,000	1,000	455	379	370	309	278	249	268	306	342	402	432	468	4 <u>1.05</u> . 16
Fluoresco	ent:													
20,000	330	139	115	113	94	85	76	82	93	104	123	132	143\$	3 4.27 <u>5.03</u>
High Pre	ssure So	dium i	in Exi	sting	Merci	ury Lu	ımina	ires:						
12,000	150	76	63	62	52	46	42	45	51	57	67	72	78	21. <u>92</u> 45
34,200	360	174	145	141	118	106	95	102	117	130	154	165	179	2 <u>8.06</u> .45

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.

<u>Midnight Service Option</u>: The monthly kilowatt-hours and distribution rates for each luminaire served under the midnight service option are shown below.

Lamp No	<u>ominal</u>													
Light	Power													Monthly
Output	Rating				Montl	nly K	WH p	er Lu	minaiı	re				Distribution
Lumens	Watts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate
High Pre	ssure So	dium:												
4,000	50	12	10	9	7	6	5	6	7	8	10	12	13	\$15.94 59
5,800	70	18	15	13	10	9	8	8	10	12	15	19	20	15. 94<u>59</u>
9,500	100	27	22	19	15	13	12	12	15	18	22	27	29	$21.20\overline{0.73}$
16,000	150	40	33	28	23	20	17	18	22	26	32	40	43	29.98 32
30,000	250	65	54	46	37	32	28	30	36	42	52	66	69	30. 72 05
50,000	400	100	82	70	56	50	43	45	54	64	79	100	106	31.06 0.39
130,000	1,000	234	192	165	132	116	100	106	127	151	186	235	248	4 9.85 8.76
Metal Ha	alide:													
5,000	70	19	16	13	11	9	8	9	10	12	15	19	20	\$16.62 26
8,000	100	26	21	18	15	13	11	12	14	17	21	26	27	$22.\overline{7626}$
13,000	150	41	33	29	23	20	17	18	22	26	32	41	43	$31.54\overline{0.54}$
13,500	175	44	36	31	25	22	19	20	24	28	35	44	47	31.89 19
20,000	250	61	50	43	35	31	26	28	33	40	49	62	65	31. 89 19
36,000	400	96	79	67	54	48	41	44	52	62	76	96	102	$32.18\overline{1.48}$
100,000	1,000	230	189	162	130	114	98	105	125	149	184	231	244	$4\overline{8.24}\overline{7.19}$
,	,													

Issued:	February 1April 29, 2022	Issued by:/s	s/ Douglas W. Foley	
		·	Douglas W. Foley	
Effective:	February August 1, 2022	Title: Preside	ent, NH Electric Operations	

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 32 of 34

NHPUC NO. -10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 32^{md} Revised Page 77 Superseding 1st Revised Page 77 Rate OL

Lamp No	ominal_													
Light	Power													Monthly
Output	Rating		Monthly KWH per Luminaire											Distribution
Lumens	Watts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate
Light En	nitting Di	io de (l	L ED):	:										· · · · · · · · · · · · · · · · · · ·
2,500	28	6	5	4	3	3	3	3	3	4	5	6	6	\$10. <u>5229</u>
4,100	36	8	6	5	4	4	3	3	4	5	6	8	8	10. <u>50</u> 27
4,800	51	11	9	8	6	5	5	5	6	7	9	11	12	10. <u>67</u> 44
8,500	92	20	16	14	11	10	8	9	11	13	16	20	21	11. 73 47
13,300	142	30	25	21	17	15	13	14	16	20	24	30	32	12. <u>96</u> 67
24,500	220	47	39	33	26	23	20	21	26	30	37	47	50	$16.25\overline{5.89}$

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 allnight 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 allnight 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 1 April 29, 2022	Issued by: _	/s/ Douglas W. Foley
	· 	_	Douglas W. Foley
Effective:	February August 1, 2022	Title:	President, NH Electric Operations

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 33 of 34

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

32^{rnd} Revised Page 82 Superseding 21^{sndt} Revised Page 82 Rate EOL

which are billed in conjunction with service rendered under a metered Rate Schedule, the kilowatthours 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:

Effective:

February August 1, 2022

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

Lamp No Light	ominal Power													Monthly
Output	Rating]	Montl	hly K	WH p	er Fix	ture					Distribution
Lumens	Watts	Jan	Feb		Apr			Jul	Aug	Sep	Oct	Nov	Dec	Rate
High Pre	ssure So	dium:			_	_			_	_				
4,000	50	24	20	20	17	15	13	14	16	18	22	23	25	\$6. <u>45</u> 36
5,800	70	36	30	30	25	22	20	21	24	27	32	35	37	6. <u>76</u> 67
9,500	100	53	44	43	36	33	29	31	36	40	47	51	55	7. <u>18</u> 09
16,000	150	80	66	65	54	49	43	47	53	60	70	75	82	7. <u>84</u> 75
30,000	250	128	107	104	87	78	70	76	86	96	114	122	132	<u>9.06.98</u>
50,000	400	196	163	159	133	120	107	116	132	147	173	186	202	10. <u>77</u> 69
130,000	1,000	462	384	375	314	282	252	272	310	347	408	438	475	17. <u>44</u> 38
Metal Ha	alide:													
5,000	70	37	31	30	25	23	20	22	25	28	33	35	38	\$6. <u>7869</u>
8,000	100	51	42	41	35	31	28	30	34	38	45	48	53	7. <u>1203</u>
13,000	150	80	66	65	54	49	44	47	54	60	71	76	82	7. <u>85</u> 74
13,500	175	87	72	71	59	53	47	51	58	65	77	82	89	8.02 7.93
20,000	250	121	101	98	82	74	66	71	81	91	107	115	125	8.8 <mark>80</mark>
36,000	400	190	158	154	129	116	104	112	127	142	167	180	195	10. <u>6052</u>
100,000	1,000	455	378	369	309	278	248	268	306	341	402	431	468	17.2 <mark>60</mark>

LED's and other technologies accepted by the Company:

	Per	Per
	<u>Fixture</u>	<u>Watt</u>
Monthly Distribution Rates	\$3. <mark>32</mark> 4	\$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												
	<u>Jan</u>	<u>Feb</u>	Mar	Apr	<u>May</u>	<u>Jun</u>	<u>Jul</u>	Aug	<u>Sep</u>	<u>Oct</u>	Nov	Dec	
	421	350	342	286	257	230	248	283	316	372	399	433	
Issue	ued: February 1 April 29, 2022							Issu	ıglas W. Foley				
											Do	uglas W. Foley	

Title:

President, NH Electric Operations

Public Service Company of New Hampshire d/b/a Evesource Energy Docket DE 19-057 Attachment MBP-EAD-3 Page 34 of 34

NHPUC NO. -10 - ELECTRICITY DELIVERY PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE DBA EVERSOURCE ENERGY 32^{rnd} Revised Page 83 Superseding 42^{ndst} 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 No	<u>ominal</u>													
Light	Power													Monthly
Output	Rating				Montl			er Fix	ture					Distribution
Lumens	Watts	<u>Jan</u>	<u>Feb</u>	Mar	<u>Apr</u>	May	<u>Jun</u>	<u>Jul</u>	Aug	<u>Sep</u>	<u>Oct</u>	Nov	<u>Dec</u>	Rate
High Pre	ssure So	dium:												
4,000	50	12	10	9	7	6	5	6	7	8	10	12	13	\$6. <u>45</u> 36
5,800	70	18	15	13	10	9	8	8	10	12	15	19	20	6. <u>76</u> 67
9,500	100	27	22	19	15	13	12	12	15	18	22	27	29	7. <u>1809</u>
16,000	150	40	33	28	23	20	17	18	22	26	32	40	43	7. <u>84</u> 75
30,000	250	65	54	46	37	32	28	30	36	42	52	66	69	<u>9.06</u> 8.98
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
Metal Ha	ılide:													
5,000	70	19	16	13	11	9	8	9	10	12	15	19	20	\$6. <u>7869</u>
8,000	100	26	21	18	15	13	11	12	14	17	21	26	27	7. <u>1203</u>
13,000	150	41	33	29	23	20	17	18	22	26	32	41	43	7. <u>85</u> 76
13,500	175	44	36	31	25	22	19	20	24	28	35	44	47	8.02 7.93
20,000	250	61	50	43	35	31	26	28	33	40	49	62	65	8.8 <mark>80</mark>
36,000	400	96	79	67	54	48	41	44	52	62	76	96	102	10. <u>6052</u>
100,000	1,000	230	189	162	130	114	98	105	125	149	184	231	244	17.2 <u>6</u> 0

LED's and other technologies accepted by the Company:

	Per	Per
	<u>Fixture</u>	<u>Watt</u>
Monthly Distribution Rates	\$3. <u>3</u> 24	\$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											
<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>	Nov	<u>Dec</u>	
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.

Issued:	February 1April 29, 2022	Issued by:	/s/ Douglas W. Foley
			Douglas W. Foley
Effective:	February August 1, 2022	Title:	President, NH Electric Operations