

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 Base Rate Adjustment Pertaining to Fee Free and New Start Programs

Pursuant to the terms of the Settlement Agreement (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 requests approval to implement an adjustment to its base distribution rates, effective February 1, 2022, to recover costs of the New Start arrears management program as authorized by Section 13.3 of the Settlement Agreement. In addition, the Company hereby proposes to make no adjustment to its base distribution rates for increased costs pertaining to its Fee Free credit/debit card program costs at this time, and to reconcile such costs at the time of its next rate case, consistent with Section 12.3 of the Settlement Agreement. In support of this Petition, Eversource states the following:

I. New Start Arrears Management Program

1. Section 13 of the Settlement Agreement authorizes the Company to implement the New Start arrears management program in New Hampshire. The New Start program provides payment assistance for qualifying residential customers struggling with past due utility bills. The ultimate goal of New Start is to enable customers to manage and pay for their energy usage and break the

cycle of building arrears, being disconnected and carrying debt, while, at the same time, enabling the utility control the costs associated with collection activities on these accounts.

2. Section 13.4 and Appendix 7 of the Settlement Agreement set forth the general framework for design of the New Start program, which was substantially consistent with the Company's initial proposal in the rate case. Additionally, Section 13.5 provided that the Company would convene a stakeholder group to develop a comprehensive program design and to assist in the long-term monitoring and evaluation of the program. The Company convened the stakeholder group as required, the group filed a report of its efforts on April 15, 2021, and that report was adopted by the Commission by a letter dated June 1, 2021.

3. Relative to the costs of the New Start program, Section 13.2 of the Settlement Agreement allowed Eversource to include \$340,000 of program start-up costs in base rates annually beginning January 1, 2021, subject to reconciliation at the time of the Company's next rate case. Such costs were intended to cover the necessary IT program changes required to implement the New Start program, which was targeted to occur in the first quarter of 2022.

4. Additionally, Section 13.3 of the Settlement Agreement authorizes the Company to recover \$1,077,356 in base distribution rates annually as of February 1, 2022, subject to reconciliation at the time of the Company's next rate case, with carrying charges on the over- or under-recovered balance, to fund a reserve account for funds collected through rates for the New Start program. Section 13.3 states: "[t]estimony and supporting materials relating to implementing this adjustment to base rates shall be included in the materials submitted with the Company's SCRC filing for effect on February 1, 2022." This Petition, including the supporting testimony and attachments, constitutes the Company's request to implement recovery of the \$1,077,356 in base distribution

rates annually as of February 1, 2022, as authorized by Section 13.3. The New Start program is described in more detail in the testimony and attachments of Company witness Theresa Washington.

II. Fee Free Credit/Debit Card Payment Program

1. Section 12 of the Settlement Agreement authorized the Company to implement a “fee free” option through its payment processing vendor that would allow customers to pay their monthly bills with a credit/debit card without incurring a transaction fee. The program was proposed to meet customer needs and expectations by eliminating the transaction fee for certain credit and debit card payments and to recover the cost of this arrangement through base distribution rates. The estimated costs for implementing the program were based upon the volume of expected transactions in the years following implementation.

2. Section 12.2 and Appendix 6 of the Settlement Agreement establish the terms of the Fee Free program, including that the program shall be implemented as an option for residential customers for one-time, rather than recurring, payments; that the Company shall monitor and report on the adoption rate of the program; and shall be based on the updated costs and adoption rates included in Appendix 6.

3. Section 12.3 of the Settlement Agreement authorized the Company to recover \$375,000 of program-related costs in base rates annually beginning January 1, 2021, subject to reconciliation at the time of the Company’s next rate case, with carrying charges on the over- or under-recovered balance. Section 12.3 further states “[i]f the actual costs resulting from customers’ adoption of the fee free option exceed the \$375,000 allowed in rates in the first year, the Company shall increase

the amount in rates to an amount reflecting the estimated cost, but not more than \$520,500, effective February 1, 2022.”

4. As described in the attached testimony of Company witness Christopher G. Kishimoto, the Fee Free program was implemented as anticipated on February 11, 2021. Based upon the actual and projected first-year participation rates, the Company anticipates that the costs will exceed the projected first year estimate of \$375,000 by less than \$20,000, and remain below the cap. Given the relatively small amount by which program costs are anticipated to exceed the existing recovery amount, the Company proposes to make no adjustment to its base distribution rates for increased costs pertaining to its Fee Free credit card program costs at this time and to reconcile such costs at the time of its next rate case, consistent with Section 12.3 of the Settlement Agreement. Additionally, as explained in the accompanying testimony of Mr. Kishimoto, the Company is not proposing any changes to the Fee Free program at this time.

III. Cost Recovery and Bill Impacts

1. As indicated above, the Company proposes to implement recovery of the New Start program costs, as authorized by Section 13.3 of the Settlement Agreement, commencing as of February 1, 2022.

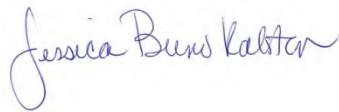
2. In addition to the testimony and supporting materials identified above, the Petition also includes the joint testimony of Erica L. Menard and Jennifer A. Ullram on the proposed rate recovery and bill impacts related to such costs. Further, their testimony demonstrates that the rate adjustments requested by the Company in this filing are just and reasonable and in the public interest.

WHEREFORE, Eversource respectfully requests that the Commission:

- A. Grant the Company's request to implement recovery of \$1,077,356 as authorized by the Settlement Agreement;
- B. Schedule a hearing expeditiously and approve the Petition no later than January 24, 2022 for a February 1, 2022 rate effective date; 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 Attorney



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Dated: December 15, 2021

CERTIFICATE OF SERVICE

I hereby certify that on December 15, 2021, I caused the attached to be served pursuant to N.H. Code Admin. Rule Puc 203.11.

Jessica Burns Kallan

STATE OF NEW HAMPSHIRE
BEFORE THE
NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

DOCKET NO. DE 19-057
REQUEST FOR PERMANENT RATES

DIRECT TESTIMONY OF
Christopher G. Kishimoto

Fee Free Adjustment

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

December 15, 2021

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STATE OF NEW HAMPSHIRE
BEFORE THE NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION
DIRECT TESTIMONY OF CHRISTOPHER G. KISHIMOTO

PETITION OF PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
d/b/a EVERSOURCE ENERGY
REQUEST FOR CHANGE IN PERMANENT DISTRIBUTION RATES
FEE FREE CREDIT CARD PAYMENT PROGRAM

December 15, 2021

Docket No. DE 19-057

I. INTRODUCTION

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

A. My name is Christopher G. Kishimoto. I am employed by Eversource Energy Service Company as Manager, Payments and Print. My business address is 107 Selden Street, Berlin, Connecticut 06037. In my role, I manage payment and print operations on behalf of the operating companies of Eversource Energy, including Public Service Company of New Hampshire d/b/a Eversource Energy (“Eversource” or the “Company”).

Q. Have you previously testified before the New Hampshire Public Utilities Commission (“Commission”)?

A. No.

Q. Please summarize your educational background.

A. I earned a Bachelor of Science degree in Accounting from the University of Connecticut

1 School of Business. I am in process of earning a Master of Business Administration degree
2 from the Quinnipiac University School of Business.

3 **Q. Please summarize your professional experience.**

4 A. I have 11 years of experience in the energy industry after joining Eversource, formerly
5 Northeast Utilities, as an accountant in 2010. In 2018, I joined Eversource's Customer
6 Operations organization as a Meter-to-Cash Strategist, then transitioned to the Payments
7 and Print department as a Customer Service Consultant in 2019, before accepting a
8 Supervisor role in 2020. In that role, I helped lead the team to implement New Hampshire's
9 Fee Free program in February 2021. In April 2021, I accepted my current role as Manager,
10 Payments and Print, where, as previously stated, I manage payment and print operations
11 on behalf of the operating companies of Eversource Energy.

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

13 A. The purpose of my testimony is to describe the Company's efforts to date to implement the
14 Fee Free credit/debit card program that was authorized by the Commission in its approval
15 of the October 9, 2020 Settlement Agreement ("Settlement Agreement") in Order No.
16 26,433 (December 15, 2020) in this docket. The Settlement Agreement established the
17 framework for the program and associated cost recovery. My testimony will describe the
18 implementation of the program and the resulting costs to date.

19 **Q. Are you presenting any attachments in addition to your testimony?**

20 A. Yes, I am presenting the following attachments in support of this testimony:

Exhibit Designation	Purpose/Description
Attachment CGK-1	Fee Free Net Cost Comparison – Year 1 Results
Attachment CGK-2	Annual Monitoring Metrics

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

2 A. In addition to this introductory section, my testimony is organized into the following
3 sections:

- 4 • Section II provides background on the Fee Free program, including the Company's
5 initial proposal and the terms of the Settlement Agreement; and
- 6 • Section III discusses the Company's initial experience with the program in New
7 Hampshire.

8 **II. BACKGROUND ON THE FEE FREE PROGRAM**

9 **Q. Please describe the purpose of the Fee Free credit/debit card program.**

10 A. As described in the May 28, 2019 testimony of Penelope McLean Conner in this docket,
11 customers have greater choice in the methods available for conducting business than in
12 years past. The Fee Free program was proposed to meet customer needs and expectations
13 by eliminating the transaction fee for certain credit and debit card payments and to recover
14 the cost of this arrangement through base distribution rates. In the Company's experience,
15 customers want the convenience of paying their monthly bills with a credit or debit card
16 without incurring a transaction fee and found that transaction fees were a significant driver
17 of customer dissatisfaction.

1 **Q. As initially proposed, did the Company intend to provide the option to all customers?**

2 A. No. Under Eversource's initial proposal, the fee free option would be available only to
3 residential customers because those customers are the largest customer segment and in
4 aggregate constitute the largest number of payments made. Also, non-residential
5 customers are more accustomed to credit card fees and are better able to bear the cost of
6 those fees than residential customers.

7 **Q. Did the Company develop estimates of the costs associated with the program?**

8 A. Yes. Under Eversource's initial proposal, the Company developed cost estimates based on
9 the terms of the contract with its payment vendor, which had a sliding-scale cost structure
10 where the pre-transaction cost was aligned with the ratio of credit to debit card payments
11 and the average payment amounts. The transaction fee that would be incurred by the
12 Company for having the vendor process these transactions would start at a particular rate
13 but could increase or decrease depending upon the average payment amount and ratio of
14 credit/debit card transactions that actually occur in a particular quarterly period. The
15 sliding scale cost structure was necessary because the experience and expertise of both the
16 Company and the vendor indicated that an increasing portion of residential customers
17 would migrate to this service within the first few years of its offering.

18 **Q. Did the Company have certain expectations on customer migration?**

19 A. Yes. At the time of the rate case filing in May 2019, the expected migration rose from
20 about 5 percent of customers in the first year to 14 percent by year four. Also, based on
21 what the Company had seen in other states, customer migration to fee free payment options

1 was happening without advertisement or promotion to customers. Likewise, Eversource
2 did not intend to promote the fee free option and Eversource's expectations for migration
3 were based on not promoting the option.

4 **Q. Did the Company make changes to its proposal based on input from parties during**
5 **the rate case?**

6 A. Yes. Over the course of the rate case, parties commented on the Company's proposal and
7 suggested various changes to it. Among the issues were whether the fee free option should
8 be available for recurring payments and the kinds of metrics that should be reported to
9 understand the migration. Additionally, during the course of the case, Eversource obtained
10 additional information from its affiliate in Connecticut on customer migration rates. In the
11 end, these comments and additional information led to adjustments to the Company's
12 proposal, and ultimately informed the program framework in the Settlement Agreement.

13 **Q. Please describe the structure of the Fee Free program as authorized in the Settlement**
14 **Agreement.**

15 A. As described in Section 12 and in Appendix 6 of the Settlement Agreement, the final
16 program design was substantially the same as the Company had proposed. The Fee Free
17 credit/debit card payments were to be implemented as an option for residential customers
18 for one-time, rather than recurring, payments. Customers who wish to pay by credit or
19 debit card each month are required to enter their credit or debit card payment information
20 for each payment made.

21 Also, the Company agreed to monitor the customer adoption rate and report on the adoption
22 rate to the Commission Staff (now the Department of Energy Staff) and the Office of the

1 Consumer Advocate (“OCA”) and to work with the settling parties to determine whether
2 amendments to the program, such as expansion to commercial customers or to allow for
3 recurring payments, should be recommended to the Commission for approval in the future.

4 **Q. Does the Settlement Agreement contain certain assumptions related to adoption rates**
5 **and costs for the program?**

6 A. Yes, as described in Appendix 6 of the Settlement Agreement, the updated yearly adoption
7 rates as a percent of total payments were adjusted to 5 percent, 6.3 percent, 7.6 percent and
8 8.9 percent for years 1 through 4, respectively. As a result of lowering the adoption rate
9 assumptions, the costs also came down to an anticipated \$520,497 per year average over
10 the first four years. The first-year costs were expected to be the lowest at around \$375,000,
11 which was the amount included in rates.

12 Specifically, Section 12.3 of the Settlement Agreement allowed the Company to recover
13 \$375,000 of program-related costs in base rates annually beginning January 1, 2021,
14 subject to reconciliation at the time of the Company’s next rate case, with carrying charges
15 on the over- or under-recovered balance calculated using the Prime Rate. Further, if the
16 actual costs resulting from customers’ adoption of the fee free option exceed the \$375,000
17 allowed in rates in the first year, the Company shall increase the amount in rates to an
18 amount reflecting the estimated cost, but not more than \$520,500, effective February 1,
19 2022. Section 12.3 stated that testimony and supporting materials relating to such increase,
20 if requested, shall be included in the materials submitted with the Company’s Stranded
21 Cost Recovery Charge filing for effect on February 1, 2022.

1 **Q. What does the \$375,000 allowed in base rates represent?**

2 A. As shown in Attachment CGK-1, the \$375,000 allowed in base distribution rates represents
3 the first-year net cost of the Fee Free program expenses, assuming a penetration rate of 5.0
4 percent of total customers in the first year of the program or a total volume of 263,447
5 payments. The total cost of the credit card fees for those customers that chose to pay their
6 bills using a credit card at a cost of \$1.48 per payment was assumed to be \$389,901 with
7 offsetting savings of \$15,443 for a net cost of \$374,458 in the first year. The offsetting
8 savings estimate represented incremental credit card usage over and above the 3 percent
9 penetration rate prior to the start of the program.

10 **IV. PROGRAM IMPLEMENTATION AND INTIAL EXPERIENCE**

11 **Q. When did the Company implement the Fee Free program in New Hampshire?**

12 A. Following the Commission's approval in December 2020, the Company began work on
13 implementing the fee free option and it was first available to customers on February 11,
14 2021.

15 **Q. What has been the experience thus far with customer adoption rates?**

16 A. As described above, the Company's adjusted adoption expectations were for 5 percent, 6.3
17 percent, 7.6 percent and 8.9 percent of customer payments to be made using this option in
18 years 1 through 4, respectively. As of October 31, 2021, in the first 9 months of the
19 program, the Company has seen a year-to-date adoption rate of 5.4 percent of total
20 residential customer payments, which is above expectations. The Company estimates that
21 the annual adoption rate will be about 5.7 percent of total customer residential payments

1 or 286,000 residential credit card payments. This annual estimate exceeds the assumed
2 volume presented in Appendix 6 of the Settlement Agreement.

3 **Q. What are the anticipated costs of the program in the first year?**

4 A. As described above, \$375,000 was included in base rates as the anticipated net cost in the
5 first year of the program. The actual cost to date has been \$267,110 in the first 9 months
6 the program with estimated offsetting savings of \$4,998, resulting in a net cost of \$262,112
7 for the first 9 months. At current program participation rates, the Company expects the
8 cost for the first 12 months of the program will be approximately \$400,000 with estimated
9 offsetting savings of approximately \$8,000, resulting in a net cost of \$392,000 for the first
10 twelve months. This exceeds the projected first year estimate by \$18,000 but is below the
11 annual cap of \$520,500.

12 **Q. Do you expect to see adoption rates continuing to trend above expectations?**

13 A. Yes, the Company expects adoption rates to trend above expectation based on current
14 performance. When the Company revised its New Hampshire projections based on actual
15 participation in the Connecticut program, the Company underestimated the impact of
16 COVID on the program growth. Per the initial filing, the Company has not advertised the
17 fee free program on the Company website, and customers do not know the credit card
18 payment is fee free until they make a credit card payment. The higher-than-expected
19 program growth is driven by repeat customers; 52 percent of all New Hampshire residential
20 credit card payments made since the fee-free program went live on February 11, 2021 were
21 made by customers who paid by credit card five or more times. The Company expects the

1 rate of increase to continue as more customers learn about the program.

2 **Q. Is the Company proposing any changes in light of this trend?**

3 A. Although the actual costs are trending slightly higher than estimated, the Company is not
4 requesting that the amount in rates be raised at this time. As identified in Section 12.3 of
5 the Settlement Agreement, any over- or under-recovered balances associated with the
6 program will be reconciled at the time of the Company's next rate case.

7 **Q. Is the Company recommending any changes to the program at this time?**

8 A. No. Section 12.2(b) of the Settlement Agreement requires the Company to monitor the
9 adoption rate by customers and report on the adoption rate to the settling parties to
10 determine whether amendments to the Fee Free program, such as expansion to commercial
11 customers or to allow for recurring payments, should be recommended to the Commission
12 for approval. At this time, the Company is not recommending any changes to the program
13 and will continue to monitor and report on the costs and adoption rates on an annual basis.

14 **Q. Is the Company including any reports regarding the program?**

15 A. Yes. The Company is reporting based on suggested tracking used in the Connecticut fee
16 free program. The Company provided a list of specific monitoring activities and metrics
17 in response to TS-2-001 during the rate case. Included with this testimony as Attachment
18 CGK-2 is the Company's first compliance report based on data from initial implementation
19 on February 11, 2021 through October 31, 2021 based on those metrics identified during
20 the rate case as described above.

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

2 **A.** Yes, it does.

Public Service Company of New Hampshire
d/b/a Eversource Energy
Docket No. DE 19-057
Testimony of Christopher G. Kishimoto
Attachment CGK-1
December 15, 2021
Page 1 of 1

Fee Free Net Cost Comparison - Program Year 1 Results

Line	A	B	C	D	E = (D) - (B)
1	Year 1 Adoption Rate				
	Measure	As Filed	Actual (Feb-21 to Oct-21)	12-Month Projection	Variance Between 12 Mo Projection and As Filed
2					
3	Residential - Credit Card Payment Volume	263,447	190,793	285,649	22,202
4	Residential - Incremental Credit Card Payment Volume over 3% Baseline	105,379	85,266	135,458	30,079
5	Residential - ALL Payment Channels Volume	5,268,936	3,517,572	5,006,363	(262,574)
6	Adoption Rate	5.0%	5.4%	5.7%	0.7%
7					
8	Cost				
	Measure	As Filed	Actual (Feb-21 to Oct-21)	12-Month Projection	Variance Between 12 Mo Projection and As Filed
9					
10	Price	\$ 389,901	\$ 267,110	\$ 399,909	\$ 10,007
11	Offset Savings	\$ 15,443	\$ 4,998	\$ 7,941	\$ (7,503)
12	Net Cost	\$ 374,458	\$ 262,112	\$ 391,968	\$ 17,510
13					
14	Cost per Payment				
	Measure	As Filed	Actual (Feb-21 to Oct-21)	12-Month Projection	Variance Between 12 Mo Projection and As Filed
15					
16	Cost per Payment	\$ 1.48	\$ 1.40	\$ 1.40	\$ (0.08)

- 17
- 18
- 19 Line 3 (Residential - Credit Card Payment Volume): Company records
- 20 Line 4 (Residential - Incremental Credit Card Payment Volume over 3% Baseline): Line 3 - (Line 5 x 3%)
- 21 Line 5 (Residential - All Payment Channels Volume): Company records
- 22 Line 6 (Adoption Rate): Line 4 / Line 6
- 23 Line 10 (Price): Line 3 x Line 16
- 24 Line 11 (Offset Savings): ((Line 3 x 5% x \$0.1274/check payment)+(Line 3 x 95% x \$0.055/direct debit payment))
- 25 Line 12 (Net Cost): Line 10 - Line 11
- 26 Line 16 (Cost per Payment): Company records

ANNUAL FEE FREE CREDIT CARD PAYMENT COMPLIANCE FILING

As part of Eversource's distribution rate case in Docket No. DE 19-057, the Company agreed to file an annual compliance filing that includes the following data for the immediately preceding calendar year:

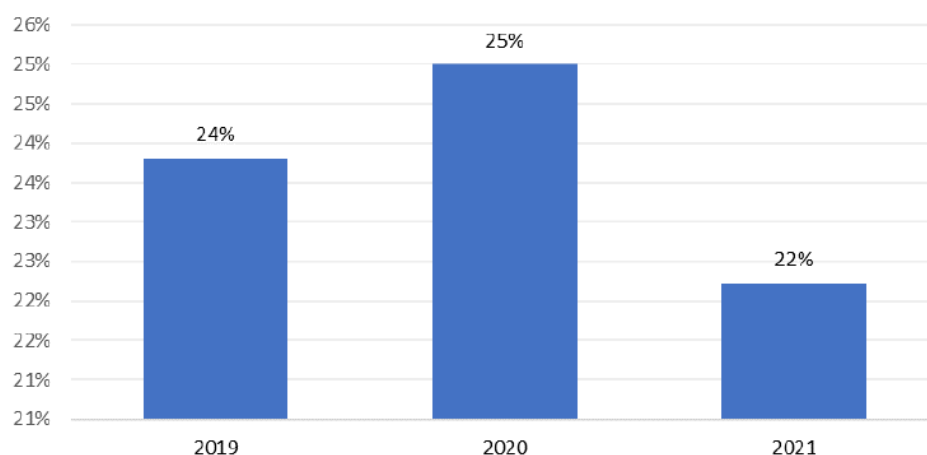
- (i) the number of credit/debit card payments,
- (ii) costs associated with the credit/debit card payments,
- (iii) monitoring how quickly payments are being received from the date a bill is issued,
- (iv) number of credit card payments made by financially challenged/hardship customers
- (v) annual amount of uncollectibles, and
- (vi) qualitative improvements in customer satisfaction with this option.

The Company presents the following information on the Fee Free Credit Card Program for the first 9 months of the program for the time period February 11, 2021 through October 31, 2021. Going forward, an annual compliance report will be filed using full calendar year data.

- (i) The Company received 190,793 Residential credit/debit card payments during the February 11, 2021 and October 31, 2021 reporting period.
- (ii) Company costs associated with fee-free payments totaled \$267,110 during the February 11, 2021 and October 31, 2021 reporting period.
- (iii) Credit/debit card payments were received on an average of 16 days from the date a customer bill was issued during the February 11, 2021 and October 31, 2021 reporting period.

- (iv) The number of credit/debit card payments made by financially challenged/hardship customers totaled 20,447 during the February 11, 2021 and October 31, 2021 reporting period.
- (v) The amount of uncollectibles was \$5,461,425 between February 2021 and October 2021. Please note that the program was implemented on February 11, 2021, so this amount includes 10 days in February prior to the program being implemented.
- (vi) The 2021 qualitative analysis from the J.D. Power Electric Residential Study shows concerns about credit card fees have dropped three percentage points when compared with 2020 data. Please note that fees were eliminated on February 11, 2021; therefore, the 2021 qualitative data includes a period in which customers were still charged a fee. A notable drop in credit card fee concerns is shown when the Company reviewed responses after the fee was eliminated.

Percent of Customer Sentiments
Focus: Credit Card Fees
Source: J.D. Power Electric Residential Study



STATE OF NEW HAMPSHIRE
BEFORE THE
NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

DOCKET NO. DE 19-057
REQUEST FOR PERMANENT RATES

DIRECT TESTIMONY OF

Theresa Washington

New Start Program

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

December 15, 2021

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STATE OF NEW HAMPSHIRE
BEFORE THE NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION
DIRECT TESTIMONY OF THERESA WASHINGTON

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

December 15, 2021

Docket No. DE 19-057

I. INTRODUCTION

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

A. My name is Theresa Washington. I am employed by Eversource Energy Service Company as Manager, Credit Hardship Programs and Protections. My business address is 1985 Blue Hills Ave. Ext., Windsor, CT 06095. In my role I oversee the various customer low-income programs and protections and for the operating companies of Eversource Energy including Public Service Company of New Hampshire d/b/a Eversource Energy (“Eversource” or the “Company”).

Q. Have you previously testified before the New Hampshire Public Utilities Commission (“Commission”)?

A. No.

1 **Q. Please summarize your educational background.**

2 A. I hold a Bachelor of Science degree in Business Management from the University of
3 Phoenix.

4 **Q. Please summarize your professional experience.**

5 A. I have over 20 years' experience working in customer contact centers. For the past 14
6 years I have worked for Eversource in various positions, from a Team Lead of Credit and
7 Collections to a Senior Customer Service Consultant, helping to oversee low-income
8 program enrollment, program policies and procedures. In 2020, I was promoted to the
9 Manager of Credit's Hardship Programs and Protections.

10 **Q. Ms. Washington, what is the purpose of your testimony?**

11 A. The purpose of my testimony is to describe the Company's efforts to date to implement the
12 New Start arrears management program in New Hampshire as authorized by the October
13 9, 2020 Settlement Agreement (the "Settlement Agreement") approved by the Commission
14 in Order No. 26,433 (December 15, 2020) in this docket. The Settlement Agreement
15 specified certain requirements for the program and the associated cost recovery. The
16 Settlement Agreement specifies in Section 13.3 that Eversource is permitted to implement
17 recovery of \$1,077,356 in base distribution rates annually as of February 1, 2022 to fund a
18 reserve account for the program. My testimony will describe the implementation of the
19 program and the costs to date. The testimony of Company witnesses Erica Menard and
20 Jennifer Ullram addresses the cost recovery and bill impacts.

1 **Q. Are you presenting any attachments in addition to your testimony?**

2 A. Yes, I am presenting the following attachment in support of this testimony:

Exhibit Designation	Purpose/Description
Attachment TW-1	Report and Recommendation of New Start Program Design

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

4 A. Following this introductory section, Section II of my testimony provides background on
5 the New Start program, including the Company's initial proposal and implementation
6 experience to date.

7 **II. BACKGROUND AND IMPLEMENTATION OF THE NEW START PROGRAM**

8 **Q. What is the purpose of the New Start program?**

9 A. New Start is an arrearage forgiveness program that provides payment assistance for
10 qualifying residential customers struggling with past due utility bills. Eversource's
11 affiliates offer the New Start program to customers in Massachusetts and Connecticut
12 already, with positive results. The concept of New Start is simple - for every on-time
13 monthly payment an enrolled customer makes to the Company, a portion of their past due
14 balance will be forgiven.

15 The customer benefits from the New Start program in three ways: (1) it enables the
16 customer to develop consistent bill payment habits; (2) it protects the customer from
17 service disconnection while participating in the program; and (3) it enables the customer
18 to get a fresh start as the arrears are forgiven with each payment made.

1 The ultimate goal of New Start is to enable the customer to successfully manage and pay
2 for their energy usage, and thereby break the cycle of building arrears, being disconnected
3 and carrying debt. Participating customers can also improve their overall credit rating and
4 better manage other bills. For the utility, the costs associated with collection activities on
5 these accounts are diminished as field visits and disconnections/reconnections are avoided.

6 **Q. As initially proposed, how would a customer be eligible for the New Start program?**

7 A. Under Eversource's initial proposal, the customer needed to be an active customer with an
8 account balance that was greater than \$300 and at least 60 days overdue. The Company
9 also proposed making the program available to customers with household income that
10 meets the eligibility criteria for New Hampshire's Low Income Home Energy Assistance
11 Program (LIHEAP) assistance (established at 60% of the State Median Income (SMI)).
12 This income verification would be conducted by a third party such as a local community
13 action agency.

14 **Q. Did the Company's initial proposal include a description of how the program would**
15 **work?**

16 A. Yes. Under the initial proposal, the Company would review a customer's account history
17 and set a monthly payment based on the average of the customer's regular monthly bill
18 over the prior 12 months. This monthly payment amount replaces the customer's regular
19 monthly bill and participants are obligated to pay the monthly amount on-time each month
20 over the 12-month term of the program. When the monthly New Start payment is made,
21 one-twelfth of the customer's past due balance is eliminated or forgiven. The amount

1 forgiven each month is calculated by taking the total account balance at the time of
2 enrollment and dividing it by 12. If the customer continues to make their New Start
3 payments, their utility service will not be disconnected for non-payment of the arrearage.

4 A customer would be removed from the program after missing two consecutive monthly
5 New Start payments. Participants removed from the program once would be required to
6 make up two missed monthly New Start payments to re-enroll in the program. Customers
7 removed from the program a second time would be required to make up all missed monthly
8 New Start payments to be re-enrolled in the New Start program. The Company also
9 proposed a 12 month “stay out” period for customers that complete the New Start program.
10 In other words, if a customer completes the program in December of 2021, the customer
11 will not be able to participate in the program again until 13 months later, or January of
12 2023.

13 **Q. What were the Company’s expectations on customer participation?**

14 A. Based on a comparison to the Western Massachusetts service territory of Eversource’s
15 Massachusetts affiliate, the Company anticipated that approximately 3,000 customers
16 could be expected to participate in the program. Also based on information from its
17 affiliates, Eversource anticipated that approximately 20 percent of enrolled customers
18 would complete the program.

1 **Q. Did the Company make changes to its proposal based on input from the parties**
2 **during the rate case?**

3 A. Yes. Over the course of the rate case, parties commented on the Company's proposal and
4 suggested various changes. Among the issues raised were suggested changes to the
5 eligibility criteria, alterations to the requirements to reenroll in the program, and proposals
6 for reporting on the success of the program over time.

7 **Q. Please describe the structure of the New Start program as authorized in the**
8 **Settlement Agreement?**

9 A. As described in Section 13 and in Appendix 7 of the Settlement Agreement, the final
10 program design was substantially the same as the Company had proposed, which was in
11 line with similar programs of the Company's affiliates in Connecticut and Massachusetts.
12 However, certain changes were included in the Settlement Agreement as follows: (1) the
13 program will be available to any customer whose account is coded "financial hardship"
14 consistent with the Commission's Puc 1200 rules, and whose account has a balance of \$150
15 or more that is at least 60 days past due; (2) there is an annual cap of \$12,000 that can be
16 forgiven; and (3) while the Settlement provided high level descriptions of the parameters
17 of the program, it also specified that the Company would convene a stakeholder group to
18 develop a more refined set of criteria for program implementation. Finally, Appendix 7 of
19 the Settlement Agreement set out the various criteria that Eversource would employ for
20 reporting on the program.

21 **Q. Were there any adjustments that came from the stakeholder group process?**

22 A. Yes. There were some minor adjustments to the general parameters of the Settlement

1 Agreement. Eversource convened a group of interested stakeholders who worked
2 collectively to develop agreed upon requirements for the implementation of the New Start
3 program in New Hampshire. On April 15, 2021, Eversource filed a report and
4 recommendation from that group in this docket describing the program, provided in
5 Attachment TW-1. In that report, the stakeholders provided recommendations regarding
6 how customers with balances greater than the \$12,000 annual cap can participate in the
7 program; how missed New Start payments will be handled; how customers become eligible
8 to re-enroll in the program; and how New Start bills would be calculated. Additionally,
9 the report and recommendations set out the timing and nature of customer communications
10 for the program. The report also described the nature of continuing oversight by the
11 stakeholder group on various aspects of the program. On June 1, 2021, by Secretarial
12 Letter, the Commission approved and adopted the report and recommendations to allow
13 Eversource to begin implementing the program to “go live” in early 2022, as contemplated
14 in the Settlement Agreement.

15 **Q. Please describe the implementation to date.**

16 A. To date, Eversource has been working with its Information Technology department to
17 outline and develop the requirements as designed and approved by the Commission to
18 implement necessary changes to the Company’s billing systems and processes.

19 **Q. How are the costs of this program addressed in the Settlement Agreement?**

20 A. As described in Section 13.2 of the Settlement Agreement, the Company’s base rates
21 include \$340,000 of program startup costs to support the work described above. Also,

1 Section 13.3 allows the Company to recover \$1,077,356 in base rates as of February 1,
2 2022 to fund a reserve account in support of the program. The Company is requesting that
3 the Commission include the \$1,077,356 in base rates as described in the testimony of Ms.
4 Menard and Ms. Ullram, to assure that there is adequate funding for the program as it is
5 implemented in early 2022.

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

7 **A.** Yes, it does.

**STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION**

DE 19-057

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY

Notice of Intent to File Rate Schedules

REPORT AND RECOMMENDATION ON NEW START PROGRAM DESIGN

INTRODUCTION

On March 22, 2019, Public Service Company of New Hampshire d/b/a Eversource Energy (“Eversource” or the “Company”) filed with the New Hampshire Public Utilities Commission (“Commission”) a Notice of Intent to File Rate Schedules. On April 26, 2019, the Company filed information supporting its temporary rate request and on May 28, 2019, the Company submitted its permanent rate filing.

As part of its May 28, 2019 submission, the Company included the testimony of Penelope McLean Conner that, among other things, advocated for the implementation of an arrears management program called “New Start.” As described in that testimony, this program was intended to provide payment assistance for qualifying financial hardship residential customers struggling with past due utility bills where for every required monthly payment an enrolled customer makes to the Company, a portion of their past due balance will be forgiven. The intent of the program is to: enable the customer to develop consistent bill payment habits; protect the customer from service disconnection while participating in the program; and enable the customer to get a fresh start as the arrears are forgiven with each payment made. Through the process of the docket various parties investigated the details surrounding the implementation of the proposed New Start program.

On October 9, 2020, the parties to the proceeding filed a comprehensive settlement agreement (the “Settlement”) with the Commission. Relevant to this issue, Section 13 of that Settlement specified that Eversource would implement the New Start program in New Hampshire and that the implementation would follow the general framework set out in Appendix 7 (Bates pages 63-66) of the Settlement. While Section 13 of the Settlement stated that Eversource would implement the program consistent with certain high-level descriptions, it also provided that the Company would convene a stakeholder group to develop a comprehensive program design for the New Start program and to assist in the long-term monitoring and evaluation of the program. Further, the stakeholder group was to file a report with the Commission within 120 days of the final order in the proceeding (which was issued on December 15, 2020) to recommend a comprehensive program design. Included below is the report and recommendation of the stakeholder group on the comprehensive program design for the New Start program.

REPORT AND RECOMMENDATION

The stakeholder group required by the Settlement consisted of representatives from Eversource, the Commission Staff, low-income advocacy groups, New Hampshire Legal Assistance, and social service agencies. The full list of participants is set out at the end of this report and recommendation. In addition to the below design requirements, the stakeholders recommend the adoption of the reporting list set out in Appendix 7 to the Settlement as the list of metrics Eversource shall provide to account for the operation of the New Start program.

1. Eligibility

As identified in Appendix 7 to the Settlement, to be eligible for New Start in New Hampshire, each customer:

- Must be a residential customer with active service; and

- Have an account balance that is greater than or equal to \$150 where the \$150 is at least 60 days overdue; and
- Have provided the utility with evidence of “financial hardship” through the customer’s or the household’s current enrollment in the Low Income Home Energy Assistance Program, the Electric Assistance Program, the Gas Residential Low Income Assistance Program, the Neighbor Helping Neighbor Program, or their successor programs, or any other federal, state or local government program or government funded program of any social service agency which provides financial assistance or subsidy assistance for low income households based upon a written determination of household financial eligibility as outlined in Puc 1202.09.

As further stated in Appendix 7, residential customers with a certified medical emergency must also qualify as financial hardship and meet the eligibility criteria as described above to participate in the New Start program. A medical emergency alone does not qualify. Importantly, New Start is another payment plan option for medically financial hardship coded customers in addition to existing payment plans. The stakeholders continue to support these eligibility requirements.

2. General Requirements

As described in Section 13 of the Settlement, New Start is an arrearage management program that provides payment assistance for qualifying residential customers struggling with past due utility bills up to an annual cap of \$12,000. To that general provision, the stakeholders recommend the following additional specifications:

- Residential customers participating in New Start will enroll in a budget plan that provides forgiveness of their outstanding arrears over a 12-month period. With each on-time monthly payment, 1/12th of the enrolled eligible balance is eliminated up to \$12,000 annually, or a maximum monthly forgiveness at \$1,000.
- There is no limit to the number of times a customer can participate in the program.
- Participants who enroll in New Start with an arrears balance greater than the annual \$12,000 cap will continue on the program past the 12-month period and receive the maximum monthly forgiveness of \$1,000 until the enrolled balance is eliminated, subject to their continued compliance with the program requirements.
- At the completion of the program, New Start customers will automatically enroll into a normal budget plan.

3. New Start Enrollment and Re-enrollment

As the requirements for enrollment or re-enrollment in the program were not specified in the Settlement, the stakeholders recommend the following requirements.

- No down payment is required for eligible New Start customers who newly enroll.
- A new enrollment occurs when the following conditions are met for eligible customers:
 - No previous participation in the program; or
 - The current date is at least 12 months or longer from the date of the customer's successful prior completion of the program; or
 - The current date is at least 12 months or longer from the date the customer was previously removed from the program.

- Re-enrollment (as contrasted with new enrollment) into New Start occurs if the last program removal date is fewer than 12-months from the date at the time the customer requests re-enrollment.
- Re-enrolling customers will be required to make up any missed payments to establish re-enrollment in the program.

Regarding removal from the program, the stakeholders recommend:

- Once enrolled, or re-enrolled, a customer may be removed from New Start after two (2) consecutive months of an unpaid required budget billing amount.
- A customer may also be removed from New Start when the customer has moved from one service address to another since the program budget bill amount is based on the usage at the service address.
- Following removal, a customer may request to re-enroll into New Start if the customer meets the program eligibility requirements including making up any required missed payments.

The stakeholders further recommend that customers in arrears who are not enrolled in the New Start program, or any payment plan or protection, will be subject to disconnection for non-payment. Customers who are disconnected for non-payment must meet the normal regulatory requirements as outlined in Puc 1203.13 to reconnect service. After the reconnection requirements are met, the customer may participate in the New Start program subject to meeting the relevant eligibility requirements.

4. New Start Payment Calculations

As the calculation of bills for customers enrolled in the program was not specified in the Settlement, the stakeholders recommend the following:

The New Start budget bill amount shall be calculated by using the previous 12-months' usage to project future costs. After removal from New Start due to having missed required payments, eligible customers requesting to re-enroll shall be required to make up any missed payments prior to enrollment. Due to the customer being removed from the New Start program, upon making up any missed payments such made up payment are not eligible for forgiveness. Only actively enrolled customers are eligible for forgiveness.

To calculate the amount of missed payment necessary for re-enrollment, Eversource will use a three-year look back. Within the last 3 years, if the customer was removed from New Start once, the required missed payment shall be equal to two (2) budget bill amounts. If the customer was removed from New Start two (2) or more times in the prior 3 years, then all missed budget bill amounts are due prior to re-enrollment in the program. The last calculated budget amount billed to the customer prior to removal for missing payments is the basis for the missed budget bills owed and required for re-enrollment.

5. New Start Forgiveness

As the handling of payments made by customers enrolled in the program was not specified in the Settlement, the stakeholders recommend the following:

- New Start forgiveness shall not exceed \$1,000 monthly.
- The amount forgiven is applied at the time a full budget bill payment is made.
- A partial budget bill payment will not receive forgiveness credit, however, two (2) consecutive months of partial payments that equal a full budget bill payment will receive forgiveness credit. Two (2) consecutive months of partial payments that do not equal a full budget bill payment amount will not receive forgiveness and will make the customer subject to removal from the program.

- Similar to a customer payment made, a social service agency payment or financial assistance payment that equals a budget bill payment amount will receive forgiveness credit.
- For any payment made, if the payment is in excess of a budget bill amount then the amount above the budget bill level will be applied to the actual accumulated budget account balance.

6. Customer Communication

While the Settlement described customer communications generally, it did not specify the nature of the communications to be provided. Accordingly, the stakeholders recommend the following:

Upon enrollment into the New Start program, a Welcome Letter will be mailed to the customer to explain the program and provide the customer with a list of frequently asked questions. While enrolled, the customers' monthly bill statement will show the budget bill amount due each month. The New Start budget payment amounts may increase or decrease during the time the customer is enrolled based upon the recalculation of the previous 12-month usage which projects future costs. If a New Start budget changes as a result of this recalculation, the customer will be notified via the monthly bill statement one month prior to the change. All customers can sign up to receive bill alerts via email or text message.

7. Stakeholder Group Monitoring and Oversight

As described in the Settlement, in addition to developing a comprehensive New Start program design, the purpose of the stakeholder group is to monitor the program, review customer communications, and address communication and training for social service agencies. Further, the Settlement provides that the stakeholder group may meet periodically as it deems necessary

and proper to review the program and make recommendations on further refinements while maintaining the core program design. Following this guidance, the Company plans to continue meeting regularly with the stakeholder group after the program recommendation is submitted to the Commission and a design approval has been ordered.

8. New Start Reporting

Appendix 1 to this filing provides a detailed outline of New Start reporting metrics as approved and described in Appendix 7 to the Settlement. Consistent with the recommendations of the stakeholder group, the order of metrics has been revised from what was included in Appendix 7. Appendix 1 to this filing reflects the revised order.

The Settlement specified that the stakeholder group would develop a plan and format for quarterly reporting. Based upon that, the stakeholders recommend that quarterly New Start reporting by month begin in the quarter following implementation of the New Start program. The quarterly reports will be sent to the Commission and the stakeholder group on the last day of the month following the end of each quarter. A full listing of planned reporting dates in 2022 are as follows:

- Quarter 1 reported on April 30
- Quarter 2 reported on July 31
- Quarter 3 reported on October 31
- Quarter 4 reported on January 31

Appendix 2 to this filing provides the sample Excel format of reporting metrics by month as agreed to by the stakeholders.

9. Stakeholder Group Participants

The parties listed below have been identified as interested stakeholders, taking part in regular meetings when available.

Entity	Attendees
Eversource	Customer Group: Theresa Washington, Margarita Campbell, Chris Plecs Regulatory: Kerry Britland, Kristen Gasparonis, Sandra Morin
Commission Staff* <i>Not voting</i>	Amanda Noonan, Rorie Patterson, Gary Cronin
New Hampshire Legal Assistance	Steven Tower, Ray Burke
Community Action Partner, Strafford	Betsey Andrews Parker, Sharon Tarleton, Heidi Clough, Cheryl Robicheau
NH Local Welfare Administrators Association	Todd Marsh, Pat Murphy, Karen Emis-Williams, Denise Syrek
Listen Community Services	Angela Zhang
Catholic Charities	Marc Cousineau
Belknap/Merrimack Community Action Agency	Kristen LaPanne

Meeting Dates

The stakeholder group members have met weekly since March 4, 2021 on the below dates:

- Thursday, March 4, 2021
- Friday, March 12, 2021
- Friday, March 19, 2021
- Friday, March 26, 2021
- Friday, April 2, 2021
- Thursday April 8, 2021

CONCLUSION

The stakeholders have worked diligently to agree upon the program design for the implementation of the New Start program. In the assessment of the stakeholders, the above elements, in combination with the requirements of Section 13 and Appendix 7 of the Settlement, set out a reasonable, appropriate and worthwhile means of implementing the New Start program for New Hampshire customers. Eversource requests that to the degree necessary, the Commission accept and approve this report and recommendation as representing a reasonable program design, which will allow Eversource to complete the relevant programming changes necessary to implement the New Start program in early 2022 as contemplated in the Settlement.

DE 19-057 – APPENDIX 1

New Start - Arrears Management Program

New Start Reporting

Once established, Eversource will provide regular reporting on the activities of the New Start program. Eversource will base its reports on the below described metrics:

- i. Number of customer accounts verified financial hardship.
 - The total number of customers who are verified financial hardship as of the end of a month.
- ii. Number of customers enrolled in the program.
 - The total number of customers enrolled in the New Start program as of the end of a month.
- iii. Number of customers who successfully completed the program.
 - The number of customers who have completed the program during the month.
- iv. The number of accounts that are either one or two payments behind on the New Start Program.
- v. The dollars of New Start budget arrears of customers that are either one or two payments behind on the program.
- vi. The average arrears of accounts with arrears (other than their New Start arrears) by month.
 - The average New Start budget arrears for customers that are one or two payments behind on the program (v divided by iv).
- vii. Number of customers dropped from the program.
 - The number of customers removed from the program for missed payments and all other reasons during the month.
- viii. Number of customers who re-enroll in the program after being dropped and length of time before re-enrollment.

- The number of customers who have re-enrolled on New Start and the average number of months since being dropped from the program.
- ix. Number of customers who newly enroll in the program after successful completion and length of time before new enrollment.
- The number of customers who have enrolled in New Start after successfully completing the program within the last 3 years, and the average length of time between completion and new enrollment.
- x. Number of customers who remain on a budget plan after automatic enrollment upon completion and for how long.
- The number of customers who remain on the budget for each of the following periods of time: 1-3 Months, 3-6 Months, 6-9 Months, 9-12 Months, 12-18 Months, 18-36 Months.
- xi. Total dollar amount of arrearages forgiven.
- The total amount of dollars forgiven by month.
- xii. Average dollar amount per participating customer of arrearages forgiven.
- The average dollar amount of arrears forgiven for customers who received forgiveness during a month.
- xiii. Comparison of disconnections for financial hardship customers before and after program start.
- The number of 2019 financial hardship residential customers disconnected and eligible for disconnection by month, and the number of financial hardship residential customers disconnected and eligible for disconnection after the program starts.
- xiv. Comparison of lead-lag before and after program start.
- The comparison of the number of days revenue outstanding for hardship customers not on New Start compared to those that are on New Start.
- xv. Comparison of bills behind for hardship customers before and after program start.

- The average amount of delinquency in dollars and days aged in 2019 compared to months after the program starts.
- xvi. Quantification of impact of program on field visits and customer service.
 - The number of field visits per month, and customer satisfaction metrics.
 - Customer satisfaction metrics are reported annually
- xvii. Quantification of impact of program on reconnections.
 - The number of credit reconnects and subsequent enrollment or re-enrollment on the New Start program.
- xviii. Quantification of impact of program on uncollectible.
 - The 12-month rolling Net Write-Off as a Percent of Revenue lagged 6 months. This indicates the percentage of revenue is written off less any recoveries.
- xix. The dollars of bills for current service by month.
 - The total budget amount billed to New Start customers during a month.
- xx. The dollars of actual receipts from customers by month.
 - The total amount of payments made by New Start customers during a month.
- xxi. The number of accounts receiving a bill by month.
 - The number of accounts on the New Start program that were sent a bill during a month.
- xxii. The number of accounts making a payment by month.
 - The number of accounts on the New Start program that made any amount of payment during a month.
- xxiii. The number of accounts with a \$0 balance by month.
 - The number of accounts that are current on the New Start program, where the owed balance is less than or equal to the current bill.

DE 19-057 Example New Start Reporting

Company

Eversource

Date:

04/06/2021

		2021													
#	New Hampshire New Start Metrics	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	
i.	Number of customer accounts verified financial hardship.														
	Total	18,962	19,124												
ii.	Number of customers enrolled in the program.														
	Total	984	1,021												
iii.	Number of customers who successfully completed the program.														
	Total	10	8												
iv.	The number of accounts that are either one or two payments behind on the New Start Program.														
	Total	204	199												
v.	The dollars of New Start budget arrears of customers that are either one or two payments behind on the program.														
	Total	\$4,361	\$4,399												
vi.	The average arrears of accounts with arrears (other than their New Start arrears).														
	Average	\$21	\$22												
vii.	Number of customers dropped from the program.														
	Total	84	79												
viii.	Number of customers who re-enroll in the program after being dropped and length of time before re-enrollment.														
	Average Number of Months	4.8	5.2												
	Total	28	19												
ix.	Number of customers who newly enroll in the program after successful completion and length of time before new enrollment.														
	Average Number of Months	4.9	5.2												
	Total	13	16												
x.	Number of customers who remain on a budget plan after automatic enrollment upon completion and for how long.														
	1-3 Months	202	207												
	3-6 Months	190	195												
	6-9 Months	150	140												
	9-12 Months	120	119												
	12-18 Months	100	94												
	18-36 Months	64	70												
	Total	826	825												
xi.	Total dollar amount of arrearages forgiven.														
	Total	\$207,354	\$209,425												
xii.	Average dollar amount per participating customer of arrearages forgiven.														
	Average	\$109	\$117												
xiii.	Comparison of disconnections for financial hardship customers before and after program start.														
	2019 financial hardship disconnected	0	0												
	2019 financial hardship eligible for disconnection	0	0												
	2019 percent of eligible disconnected	#DIV/0!	#DIV/0!												
	Number of financial hardship disconnected	0	0												
	Number of financial hardship eligible for disconnection	0	0												
	Percent of eligible disconnected	#DIV/0!	#DIV/0!												

000044

		2021												
#	New Hampshire New Start Metrics	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
	Percent Difference from 2019	#DIV/0!	#DIV/0!											
xiv.	Comparison of lead-lag before and after program start. Number of days of revenue outstanding.													
	New Start	27	28											
	Not on New Start	32	33											
	Percent difference between New Start and Non-New Start	15.6%	15.2%											
xv.	Comparison of bills behind for hardship customers before and after program start.													
	2019 Delinquency	1.2	1.4											
	Current Delinquency	1.0	1.1											
	Percent Difference	-20%	-27.3%											
xvi.	Quantification of impact of program on field visits and customer service. Number of field visits.													
	Number of Field Visits	123	215											
	Overall Satisfaction (Report Annually)	0	0											
	Total	123	215											
xvii.	Quantification of impact of program on reconnections. Number of credit reconnects													
	Enrollment on New Start	0	0											
	Re-Enrollment on New Start	0	0											
	Not enrolled on New Start	0	0											
	Total	0	0											
xviii.	Quantification of impact of program on uncollectible. 12-month rolling Net Write-Off as a Percent of Revenue lagged 6 months.													
	Percentage	0.62%	0.64%											
xix.	The dollars of bills for current service.													
	Total	\$1,536,565	\$1,559,098											
xx	The dollars of actual receipts from customers.													
	Total	\$1,290,715	\$1,309,642											
xxi.	The number of accounts receiving a bill.													
	Total	974	1,001											
xxii.	The number of accounts making a payment.													
	Total	940	951											
xxiii.	The number of accounts with a \$0 balance.													
	Total	#REF!	#REF!											

STATE OF NEW HAMPSHIRE
BEFORE THE
NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

DOCKET NO. DE 19-057
REQUEST FOR CHANGE IN PERMANENT DISTRIBUTION RATES

DIRECT TESTIMONY OF

Erica L. Menard and Jennifer A. Ullram

Fee Free Adjustment and New Start Program Implementation

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

December 15, 2021

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STATE OF NEW HAMPSHIRE
BEFORE THE NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION
DIRECT TESTIMONY OF ERICA L. MENARD and JENNIFER A. ULLRAM
PETITION OF PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
d/b/a EVERSOURCE ENERGY
REQUEST FOR CHANGE IN PERMANENT DISTRIBUTION RATES
FEE FREE CREDIT CARD PAYMENT PROGRAM
NEW START – ARREARS MANAGEMENT PROGRAM

December 15, 2021

Docket No. DE 19-057

I. INTRODUCTION

Q. Ms. Menard, please state your name, business address and position.

A. My name is Erica L. Menard. My business address is 780 North Commercial Street, Manchester, NH. I am employed by Eversource Energy Service Company as the Manager of New Hampshire Revenue Requirements and in that position, I provide service to Public Service Company of New Hampshire d/b/a Eversource Energy (“PSNH”, “Eversource” or the “Company”).

Q. Have you previously testified before the New Hampshire Public Utilities Commission (the “Commission”)?

A. Yes, I have provided testimony before the Commission on many prior occasions, including Docket No. DE 19-057.

1 **Q. What are your current responsibilities?**

2 A. I am currently responsible for the coordination and implementation of revenue
3 requirements calculations for Eversource, as well as the filings associated with
4 Eversource's Energy Service ("ES") rate, Stranded Cost Recovery Charge ("SCRC"),
5 Transmission Cost Adjustment Mechanism ("TCAM"), System Benefits Charge ("SBC"),
6 Regulatory Reconciliation Adjustment ("RRA") mechanism and Distribution Rates.

7 **Q. Ms. Ullram, please state your name, business address and position.**

8 A. My name is Jennifer A. Ullram. My business address is 107 Selden Street, Berlin,
9 Connecticut. I am employed by Eversource Energy Service Company as the Manager of
10 Rates.

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

12 A. As the Manager of Rates, I am responsible for activities related to rate design, cost of
13 service and rates administration for Connecticut and New Hampshire electric and gas
14 subsidiaries of Eversource Energy, including the Company.

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

16 A. Our testimony addresses implementation of the adjustments to base distribution rates
17 effective February 1, 2022 for cost recovery related to (1) the first year of the Fee Free
18 Credit Card Payment ("FFCCP") program implementation; and (2) the implementation of
19 the New Start Arrears Management Program ("NSAMP") and in accordance with Sections
20 12.3 and 13.3,¹ respectively, of the October 9, 2020 Settlement Agreement ("Settlement

¹ Settlement, Bates pages 25-27.

1 Agreement”) approved by the Commission in Order No. 26,433 (December 15, 2020).

2 This topic is addressed by Ms. Menard.

3 In addition, Eversource has prepared bill impacts and tariff changes reflecting the recovery
4 of \$1,077,356 in base distribution rates for implementation of the NSAMP per the terms
5 of the Settlement Agreement. The bill impacts and tariff changes encompassing all rate
6 changes are provided in Attachments ELM/JAU-3 and ELM/JAU-4. This topic is
7 addressed by Ms. Ullram.

8 **Q. Please summarize the Company’s request.**

9 A. Eversource’s calculation of the base distribution rate for effect February 1, 2022 results in
10 an overall increase of approximately 0.26 percent as shown in Attachment ELM/JAU-3,
11 page 6 line 19. As described in more detail in testimony below, the increase is driven by
12 the planned incorporation of \$1,077,356 related to implementation of the NSAMP effective
13 February 1, 2022. No rate change is being requested for the FFCCP program effective
14 February 1, 2022.

15 **II. FEE FREE CREDIT CARD PAYMENT PROGRAM**

16 **Q. Ms. Menard, please summarize the terms of the Settlement Agreement related to the**
17 **Fee Free program costs.**

18 A. As it relates to the FFCCP program, per the terms of Section 12.3 of the Settlement
19 Agreement, effective January 1, 2021, Eversource began recovering \$375,000 of program-
20 related costs annually related to the fee free credit card offering that will be reconciled at
21 the time of Eversource’s next base distribution rate case. If the actual costs resulting from

1 customers' adoption of the fee free option exceed the \$375,000 allowed in rates in the first
2 year, the Company shall increase the amount in rates to an amount reflecting the estimated
3 cost, but not more than \$520,500, effective February 1, 2022. Testimony describing the
4 first year of the FFCCP program is provided by Company witness Christopher Kishimoto.
5 As described in Mr. Kishimoto's testimony, the first year of the FFCCP program is
6 estimated to be approximately \$394,000. At this time, the Company proposes to not seek
7 a base distribution rate increase as the first-year estimate exceeds the amount in base rates
8 by under \$20,000. Instead, the Company proposes to reconcile these costs in its next rate
9 case rather than increase base distribution rates at this time.

10 **Q. Please describe the detailed support for the calculation of the base distribution rate**
11 **recovery related to FFCCP program included on pages 1 and 2 of Attachment**
12 **ELM/JAU-1.**

13 A. Consistent with Section 12.3 of the Settlement Agreement and Order No. 26,433, the
14 Company has prepared Attachment ELM/JAU-1 to track the actual costs incurred from
15 January 1, 2021 that exceed the base rate recovery amount of \$375,000 to demonstrate
16 whether an increase to base distribution rates is warranted at this time. Section 12.3 of the
17 Settlement states the following:

18 The Company may recover \$375,000 of program-related costs in
19 base rates annually beginning January 1, 2021, subject to
20 reconciliation at the time of the Company's next rate case, with
21 carrying charges on the over- or under-recovered balance calculated
22 using the Prime Rate. If the actual costs resulting from customers'
23 adoption of the fee free option exceed the \$375,000 allowed in rates
24 in the first year, the Company shall increase the amount in rates to
25 an amount reflecting the estimated cost, but not more than \$520,500,
26 effective February 1, 2022.

1 Consistent with the Commission's approval of the Settlement Agreement, Attachment
2 ELM/JAU-1, Page 1 reflects the variance between the base distribution recovery amount
3 of \$375,000 effective January 1, 2021 and the first year actual/estimated costs of the
4 FFCCP program. Attachment ELM/JAU-1 reflects the reconciliation of FFCCP program
5 related costs in base distribution rates that will be maintained until the time of Eversource's
6 next base distribution rate case.

7 **III. NEW START ARREARS MANAGEMENT PROGRAM**

8 **Q. Ms. Menard, please summarize the terms of the Settlement Agreement related to the**
9 **New Start program costs.**

10 **A.** As it relates to NSAMP, per the terms of Section 13.2 of the Settlement Agreement,
11 effective January 1, 2021 Eversource began recovering in base distribution rates \$340,000
12 for start-up costs related to the substantial IT programming changes necessary to
13 implement NSAMP (\$1,700,000 capital cost estimate to be recovered over five years) that
14 will be reconciled at the time of Eversource's next base distribution rate case. In addition,
15 per the terms of Section 13.3, the Company's base distribution rates shall be adjusted to
16 implement recovery of \$1,077,356 beginning February 1, 2022 for the purpose of funding
17 a NSAMP reserve account. The NSAMP reserve funds collected through base distribution
18 rates will be reconciled at the time Eversource's next base distribution rate case. Testimony
19 describing the implementation of the NSAMP is provided by Company Theresa
20 Washington.

1 **Q. Please describe the detailed support for the calculation of the base distribution rate**
2 **recovery related to the NSAMP included on pages 1 and 2 of Attachment ELM/JAU-**
3 **2.**

4 A. Consistent with Section 13 of the Settlement Agreement and Order No. 26,433, the
5 Company has prepared Attachment ELM/JAU-2 to reflect recovery of the base distribution
6 rate increase of \$1,077,356 beginning February 1, 2022. Sections 13.2 and 13.3 of the
7 Settlement state the following:

8 **13.2** Initial programming costs for implementing the New Start program
9 shall be recovered in base rates, rather than through the RRA. The Company
10 may recover \$340,000 of program start-up costs in base rates annually
11 beginning January 1, 2021, subject to reconciliation at the time of the
12 Company's next rate case, with carrying charges on the over-or under-
13 recovered balance calculated using the Prime Rate. The Settling Parties
14 acknowledge that implementing the program will require substantial
15 programming changes, and customer and community education, and that, at
16 present, such implementation is targeted to occur in the first quarter of 2022.

17
18 **13.3** The Company shall be permitted to recover \$1,077,356 in base rates
19 annually beginning February 1, 2022, subject to reconciliation at the time
20 of the Company's next rate case, with carrying charges on the over- or
21 under-recovered balance calculated using the Prime Rate. This recovery
22 shall fund a reserve account for funds collected through rates for the
23 program. Testimony and supporting materials relating to implementing this
24 adjustment to base rates shall be included in the materials submitted with
25 the Company's SCRC filing for effect on February 1, 2022.

26 Consistent with Section 13.3, Eversource requests to implement an increase in base
27 distribution rates of \$1,077,356 as shown in Attachment ELM/JAU-2, Page 3, Line 6,
28 beginning February 1, 2022. Attachment ELM/JAU-2, Pages 2 and 4 reflect the
29 reconciliation of NSAMP related costs recovered in base distribution rates and will be
30 maintained until the time of Eversource's next base rate case.

1 **IV. RATE AND REVENUE REQUIREMENT CALCULATIONS**

2 **Q. Ms. Ullram, please explain how you calculated the rates for this base distribution rate**
3 **adjustment.**

4 A. Details of the rate design for each rate class are provided in ELM/JAU-3 to this filing. The
5 Company has allocated the total incremental NSAMP cost amount of \$1,077,356 as shown
6 in Attachment ELM/JAU-3, Page 6, Line 19, to each class using the same allocation
7 methodology used to allocate the Step 1 and Step 2 rate adjustments. That is, the Company
8 calculated an equal percentage increase to each rate class and set rates using the target
9 revenue increase for each rate class.

10 **Q. What are the overall revenue and bill impacts related to the rate calculations**
11 **described above?**

12 A. The attachments to our testimony provide the percentage impacts of the rate adjustment to
13 each of the customer classes. Attachment ELM/JAU-3, Pages 1 through 5 shows the
14 overall revenue impacts, Attachment ELM/JAU-3, Pages 6 through 27 shows rate design
15 and resulting rates and revenue by rate class for the rate adjustment, and Attachment
16 ELM/JAU-3, Pages 28 through 50 shows the bill impacts for each rate class. ELM/JAU-
17 3, Page 28 shows a bill impact of \$0.12 per month for a 650 kWh residential customer.

18 The rate impacts provided in Attachment ELM/JAU-3, Pages 28 through 50 incorporate
19 the rates reflecting (i) the permanent distribution rates approved in Docket No. DE 19-057
20 in Order No. 26,433 (December 15, 2020), Order No. 26,439 (December 23, 2020) and
21 Order No. 26,504 (July 30, 2021) and in effect as of August 1, 2021; (ii) the Energy Service
22 rate reflecting rate changes approved in Docket No. DE 21-077 in Order No. 26,491 (June

24, 2021) and in effect as of August 1, 2021; (iii) the Stranded Cost Recovery Charge rate reflecting rate changes approved in Docket No. DE 21-117 in Order No. 26,502 (July 29, 2021) and in effect as of August 1, 2021; (iv) the Transmission Cost Adjustment Mechanism rate reflecting rate changes approved in Docket No. DE 21-109 in Order No. 26,501 (July 29, 2021) and in effect as of August 1, 2021; (v) the System Benefits Charge rate reflecting rate changes approved in in Docket No. DE 17-136 in Order No. 26,323 (December 21, 2019) and Docket No. DE 20-092 and Order No. 26,440 (December 29, 2020) and in effect as of January 1, 2021; and (vi) the RRA rate reflecting rate changes approved in Docket No. DE 21-029 in Order No. 26,503 (July 30, 2021) in effect as of August 1, 2021.

Q. Is the Company proposing other rate changes for effect on February 1, 2022?

A. Yes. There are several rate changes expected to be proposed for effect on February 1, 2022, however those changes are not approved at this time and have not been incorporated into the typical bill comparison in Attachment ELM/JAU-3 at this time. The typical bill comparison reflects only the change proposed in this instant docket.

Q. Are the revenue requirements and rates resulting from implementation of the Settlement Agreement adjustment just and reasonable?

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

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

A. Yes. Updated tariff pages are provided in Attachment ELM/JAU-4.

1 **V. CONCLUSION**

2 **Q. Does Eversource require Commission approval of the base distribution rate billed to**
3 **customers by a specific date?**

4 A. Yes, Eversource would need final approval of the base distribution rate by January 24,
5 2022, to implement the new rates for service rendered on and after February 1, 2022.

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

7 A. Yes, it does.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
FEBRUARY 1, 2022 BASE DISTRIBUTION ADJUSTMENT RATE SETTING
FEE FREE CREDIT CARD PAYMENTS
ACTUAL/FORECAST FOR THE PERIOD JANUARY 1, 2021 TO JANUARY 31, 2022
(\$ in 000's)

Line #	Description	Reference	Actual Jan-21	Actual Feb-21	Actual Mar-21	Actual Apr-21	Actual May-21	Actual Jun-21	Actual Jul-21	Actual Aug-21	Actual Sep-21	Actual Oct-21	Estimate Nov-21	Estimate Dec-21	Estimate Jan-22	13 Month Total
1	Fee Free Credit Card Payments (FFCCP)															
2	FFCCP Actual/Forecast Gross Expenses		\$ -	\$ 12,740	\$ 30,624	\$ 27,397	\$ 26,471	\$ 28,684	\$ 31,792	\$ 2,531	\$ 70,305	\$ 36,567	\$ 44,266	\$ 44,266	\$ 44,266	\$ 399,909
3	FFCP Savings Offset		-	(200)	549	413	375	467	597	(628)	2,210	797	1,120	1,120	1,120	7,941
4	FFCP Net Expenses		\$ -	\$ 12,940	\$ 30,075	\$ 26,983	\$ 26,096	\$ 28,217	\$ 31,194	\$ 3,159	\$ 68,095	\$ 35,770	\$ 43,146	\$ 43,146	\$ 43,146	\$ 391,968
5	FFCCP Base Rate Recovery		\$ 31,250	\$ 31,250	\$ 31,250	\$ 31,250	\$ 31,250	\$ 31,250	\$ 31,250	\$ 31,250	\$ 31,250	\$ 31,250	\$ 31,250	\$ 31,250	\$ 31,250	\$ 406,250
6	FFCCP (Over)/Under Recovery	Line 4 - Line 5	\$ (31,250)	\$ (18,310)	\$ (1,175)	\$ (4,267)	\$ (5,154)	\$ (3,033)	\$ (56)	\$ (28,091)	\$ 36,845	\$ 4,520	\$ 11,896	\$ 11,896	\$ 11,896	\$ (14,282)

SECTION 12. FEE FREE CREDIT/DEBIT CARD PAYMENT

12.3 The Company may recover **\$375,000** of program-related costs in base rates annually **beginning January 1, 2021**, subject to reconciliation at the time of the Company's next rate case, with carrying charges on the over- or under-recovered balance calculated using the Prime Rate. If the actual costs resulting from customers' adoption of the fee free option exceed the \$375,000 allowed in rates in the first year, the Company shall increase the amount in rates to an amount reflecting the estimated cost, but not more than \$520,500, effective February 1, 2022. Testimony and supporting materials relating to such increase, if requested, shall be included in the materials submitted with the Company's SCRC filing for effect on February 1, 2022.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
FEBRUARY 1, 2022 BASE DISTRIBUTION ADJUSTMENT RATE SETTING
FEE FREE CREDIT CARD PAYMENTS
ACTUAL/FORECAST FOR THE PERIOD JANUARY 1, 2021 TO JANUARY 31, 2022
(\$ in 000's)

Line	Description	Actual Jan-21	Actual Feb-21	Actual Mar-21	Actual Apr-21	Actual May-21	Actual Jun-21	Actual Jul-21	Actual Aug-21	Actual Sep-21	Actual Oct-21	Estimate Nov-21	Estimate Dec-21	Estimate Jan-22	13 Month Total	Attachment/Source
1	FFCCP Actual/Forecast Gross Expenses	\$ -	\$ 13	\$ 31	\$ 27	\$ 26	\$ 29	\$ 32	\$ 3	\$ 70	\$ 37	\$ 44	\$ 44	\$ 44	\$ 400	Company records
2	FFCP Savings Offset	-	(0)	1	0	0	0	1	(1)	2	1	1	1	1	8	Company records
3	FFCP Net Expenses	\$ -	\$ 13	\$ 30	\$ 27	\$ 26	\$ 28	\$ 31	\$ 3	\$ 68	\$ 36	\$ 43	\$ 43	\$ 43	\$ 392	Line 1 - Line 2
4	FFCCP Base Rate Recovery	\$ 31	\$ 31	\$ 31	\$ 31	\$ 31	\$ 31	\$ 31	\$ 31	\$ 31	\$ 31	\$ 31	\$ 31	\$ 31	\$ 406	DE 19-057 Settlement (Section 12.3)
5	FFCCP (Over)/Under Recovery	\$ (31)	\$ (18)	\$ (1)	\$ (4)	\$ (5)	\$ (3)	\$ (0)	\$ (28)	\$ 37	\$ 5	\$ 12	\$ 12	\$ 12	\$ (14)	Line 3 - Line 4
6	Beginning Balance - FFCCP (Over)/Under Recovery	\$ -	\$ (31)	\$ (50)	\$ (51)	\$ (55)	\$ (60)	\$ (63)	\$ (63)	\$ (91)	\$ (54)	\$ (50)	\$ (38)	\$ (26)		Previous month Line 7
7	Ending Balance - FFCCP (Over)/Under Recovery	\$ (31)	\$ (50)	\$ (51)	\$ (55)	\$ (60)	\$ (63)	\$ (63)	\$ (91)	\$ (54)	\$ (50)	\$ (38)	\$ (26)	\$ (14)	\$ (14)	Line 5 + Line 6
Average Balance - FFCCP Reconciliation (Over)/Under																
8	Recovery	\$ (16)	\$ (40)	\$ (50)	\$ (53)	\$ (58)	\$ (62)	\$ (63)	\$ (77)	\$ (73)	\$ (52)	\$ (44)	\$ (32)	\$ (20)		(Line 6 + Line 7) / 2
9	Carrying Charge (Prime Rate)	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%		Company records
10	Monthly Carrying Charge	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (2)	Line 8 x Line 9
11	(Over)/Under Recovery plus Carrying Charge														\$ (16)	Line 7 + Line 10

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
FEBRUARY 1, 2022 BASE DISTRIBUTION ADJUSTMENT RATE SETTING
NEW START - ARREARS MANAGEMENT PROGRAM
ACTUAL/FORECAST FOR THE PERIOD JANUARY 1, 2021 TO JANUARY 31, 2022
(\$ in 000's)

Line #	Description	Reference	Actual Jan-21	Actual Feb-21	Actual Mar-21	Actual Apr-21	Actual May-21	Actual Jun-21	Actual Jul-21	Actual Aug-21	Actual Sep-21	Actual Oct-21	Estimate Nov-21	Estimate Dec-21	Estimate Jan-22	13 Month Total
1	New Start -Arrears Management Program (NSAMP)															
2	NSAMP - IT Programming cost (A)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	NSAMP Payments from Reserve account (B)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	NSAMP cost - Total	Line 2 + Line 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	NSAMP Base Rate Recovery - IT Programming cost		\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 368,333
6	NSAMP Base Rate Recovery - Reserve account		-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	NSAMP Base Rate Recovery - Total	Line 5 + Line 6	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 368,333
8	NSAMP (Over)/Under Recovery - IT Programming cost	Line 2 - Line 5	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (368,333)
9	NSAMP (Over)/Under Recovery - Reserve account	Line 3 - Line 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	NSAMP (Over)/Under Recovery - Total	Line 8 + Line 9	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (368,333)

11 **SECTION 13. NEW START - ARREARS MANAGEMENT PROGRAM**

12 **13.2** Initial programming costs for implementing the New Start program shall be recovered in base rates, rather than through the RRA. The Company may recover **\$340,000** of program start-up costs in base rates annually beginning January 1, 2021, subject to reconciliation at the time of the Company's next rate case, with carrying charges on the over-or under-recovered balance calculated using the Prime Rate. The Settling Parties acknowledge that implementing the program will require substantial programming changes, and customer and community education, and that, at present, such implementation is targeted to occur in the first quarter of 2022.

13 **13.3** The Company shall be permitted to recover **\$1,077,356** in base rates annually beginning February 1, 2022, subject to reconciliation at the time of the Company's next rate case, with carrying charges on the over- or under-recovered balance calculated using the Prime Rate. This recovery shall fund a reserve account for funds collected through rates for the program. Testimony and supporting materials relating to implementing this adjustment to base rates shall be included in the materials submitted with the Company's SCRC filing for effect on February 1, 2022.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
FEBRUARY 1, 2022 BASE DISTRIBUTION ADJUSTMENT RATE SETTING
NEW START - ARREARS MANAGEMENT PROGRAM
ACTUAL/FORECAST FOR THE PERIOD JANUARY 1, 2021 TO JANUARY 31, 2022
(\$ in 000's)

Line	Description	Actual Jan-21	Actual Feb-21	Actual Mar-21	Actual Apr-21	Actual May-21	Actual Jun-21	Actual Jul-21	Actual Aug-21	Actual Sep-21	Actual Oct-21	Estimate Nov-21	Estimate Dec-21	Estimate Jan-22	13 Month Total	Attachment/Source
1	NSAMP - IT Programming cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Page 1, Line 2
2	NSAMP Payments from Reserve account	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Page 1, Line 3
3	NSAMP cost - Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Line 1 + Line 2
4	NSAMP Base Rate Recovery - IT Programming cost	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 368	Page 1, Line 5
5	NSAMP Base Rate Recovery - Reserve account	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Page 1, Line 6
6	NSAMP Base Rate Recovery - Total	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 368	Line 4 + Line 5
7	NSAMP (Over)/Under Recovery - IT Programming cost	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (368)	Line 1 - Line 4
8	NSAMP (Over)/Under Recovery - Reserve account	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Line 2 - Line 5
9	NSAMP (Over)/Under Recovery - Total	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (368)	Line 7 + Line 8
10	Beginning Balance - NSAMP IT Reconciliation (Over)/Under Recovery	\$ -	\$ (28)	\$ (57)	\$ (85)	\$ (113)	\$ (142)	\$ (170)	\$ (198)	\$ (227)	\$ (255)	\$ (283)	\$ (312)	\$ (340)		Previous month Line 13
11	Beginning Balance - NSAMP Reserve Reconciliation (Over)/Under Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Previous month Line 14
12	Beginning Balance - NSAMP Total Reconciliation (Over)/Under Recovery	\$ -	\$ (28)	\$ (57)	\$ (85)	\$ (113)	\$ (142)	\$ (170)	\$ (198)	\$ (227)	\$ (255)	\$ (283)	\$ (312)	\$ (340)		Line 10 + Line 11
13	Ending Balance - NSAMP IT Reconciliation (Over)/Under Recovery	\$ (28)	\$ (57)	\$ (85)	\$ (113)	\$ (142)	\$ (170)	\$ (198)	\$ (227)	\$ (255)	\$ (283)	\$ (312)	\$ (340)	\$ (368)	\$ (368)	Line 13 prior + Line 7 current
14	Ending Balance - NSAMP Reserve Reconciliation (Over)/Under Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Line 14 prior + Line 8 current
15	Ending Balance - NSAMP Total Reconciliation (Over)/Under Recovery	\$ (28)	\$ (57)	\$ (85)	\$ (113)	\$ (142)	\$ (170)	\$ (198)	\$ (227)	\$ (255)	\$ (283)	\$ (312)	\$ (340)	\$ (368)	\$ (368)	Line 13 + Line 14
16	Average Balance - NSAMP IT Reconciliation (Over)/Under Recovery	\$ (14)	\$ (43)	\$ (71)	\$ (99)	\$ (128)	\$ (156)	\$ (184)	\$ (213)	\$ (241)	\$ (269)	\$ (298)	\$ (326)	\$ (354)		(Line 10 + Line 13) / 2
17	Average Balance - NSAMP Reserve Reconciliation (Over)/Under Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(Line 11 + Line 14) / 2
18	Average Balance - NSAMP Total Reconciliation (Over)/Under Recovery	\$ (14)	\$ (43)	\$ (71)	\$ (99)	\$ (128)	\$ (156)	\$ (184)	\$ (213)	\$ (241)	\$ (269)	\$ (298)	\$ (326)	\$ (354)		Line 16 + Line 17
19	Carrying Charge (Prime Rate)	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%		Prime Rate (monthly)
20	Monthly Carrying Charge - NSAMP IT Reconciliation	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (1)	\$ (1)	\$ (1)	\$ (1)	\$ (1)	\$ (1)	\$ (6)	Line 16 * Line 19
21	Monthly Carrying Charge - NSAMP Reserve Reconciliation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Line 17 * Line 19
22	Monthly Carrying Charge - NSAMP Total Reconciliation	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (1)	\$ (1)	\$ (1)	\$ (1)	\$ (1)	\$ (1)	\$ (6)	Line 20 + Line 21
23	(Over)/Under Recovery plus Carrying Charge - NSAMP IT Reconciliation														\$ (375)	Line 13 + Line 20
24	(Over)/Under Recovery plus Carrying Charge - NSAMP Reserve Reconciliation														-	Line 14 + Line 21
25	(Over)/Under Recovery plus Carrying Charge - NSAMP Total Reconciliation														\$ (375)	Line 23 + Line 24

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
FEBRUARY 1, 2022 BASE DISTRIBUTION ADJUSTMENT RATE SETTING
NEW START - ARREARS MANAGEMENT PROGRAM
FORECAST FOR THE PERIOD FEBRUARY 1, 2022 TO JANUARY 31, 2023
(\$ in 000's)

Line #	Description	Reference	Estimate Feb-22	Estimate Mar-22	Estimate Apr-22	Estimate May-22	Estimate Jun-22	Estimate Jul-22	Estimate Aug-22	Estimate Sep-22	Estimate Oct-22	Estimate Nov-22	Estimate Dec-22	Estimate Jan-23	12 Month Total
1	New Start -Arrears Management Program (NSAMP)														
2	NSAMP - IT Programming cost (A)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	NSAMP Payments from Reserve account (B)		-	-	-	-	-	-	-	-	-	-	-	-	-
4	NSAMP cost - Total	Line 2 + Line 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	NSAMP Base Rate Recovery - IT Programming cost		\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 28,333	\$ 340,000
6	NSAMP Base Rate Recovery - Reserve account		89,780	89,780	89,780	89,780	89,780	89,780	89,780	89,780	89,780	89,780	89,780	89,780	1,077,356
7	NSAMP Base Rate Recovery - Total	Line 5 + Line 6	\$ 118,113	\$ 118,113	\$ 118,113	\$ 118,113	\$ 118,113	\$ 118,113	\$ 118,113	\$ 118,113	\$ 118,113	\$ 118,113	\$ 118,113	\$ 118,113	\$ 1,417,356
8	NSAMP (Over)/Under Recovery - IT Programming cost	Line 2 - Line 5	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (28,333)	\$ (340,000)
9	NSAMP (Over)/Under Recovery - Reserve account	Line 3 - Line 6	(89,780)	(89,780)	(89,780)	(89,780)	(89,780)	(89,780)	(89,780)	(89,780)	(89,780)	(89,780)	(89,780)	(89,780)	(1,077,356)
10	NSAMP (Over)/Under Recovery - Total	Line 8 + Line 9	\$ (118,113)	\$ (118,113)	\$ (118,113)	\$ (118,113)	\$ (118,113)	\$ (118,113)	\$ (118,113)	\$ (118,113)	\$ (118,113)	\$ (118,113)	\$ (118,113)	\$ (118,113)	\$ (1,417,356)

11 **SECTION 13. NEW START - ARREARS MANAGEMENT PROGRAM**

12 **13.2** Initial programming costs for implementing the New Start program shall be recovered in base rates, rather than through the RRA. The Company may recover **\$340,000** of program start-up costs in base rates annually beginning January 1, 2021, subject to reconciliation at the time of the Company's next rate case, with carrying charges on the over-or under-recovered balance calculated using the Prime Rate. The Settling Parties acknowledge that implementing the program will require substantial programming changes, and customer and community education, and that, at present, such implementation is targeted to occur in the first quarter of 2022.

13 **13.3** The Company shall be permitted to recover **\$1,077,356** in base rates annually beginning February 1, 2022, subject to reconciliation at the time of the Company's next rate case, with carrying charges on the over- or under-recovered balance calculated using the Prime Rate. This recovery shall fund a reserve account for funds collected through rates for the program. Testimony and supporting materials relating to implementing this adjustment to base rates shall be included in the materials submitted with the Company's SCRC filing for effect on February 1, 2022.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY
FEBRUARY 1, 2022 BASE DISTRIBUTION ADJUSTMENT RATE SETTING
NEW START - ARREARS MANAGEMENT PROGRAM
FORECAST FOR THE PERIOD FEBRUARY 1, 2022 TO JANUARY 31, 2023
(\$ in 000's)

Line	Description	Estimate Jan-22	Estimate Feb-22	Estimate Mar-22	Estimate Apr-22	Estimate May-22	Estimate Jun-22	Estimate Jul-22	Estimate Aug-22	Estimate Sep-22	Estimate Oct-22	Estimate Nov-22	Estimate Dec-22	Estimate Jan-23	12 Month Total	Attachment/Source
1	NSAMP - IT Programming cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Page 3, Line 2
2	NSAMP Payments from Reserve account	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Page 3, Line 3
3	NSAMP cost - Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Line 1 + Line 2
4	NSAMP Base Rate Recovery - IT Programming cost	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 28	\$ 340	Page 3, Line 5
5	NSAMP Base Rate Recovery - Reserve account	90	90	90	90	90	90	90	90	90	90	90	90	90	1,077	Page 3, Line 6
6	NSAMP Base Rate Recovery - Total	\$ 118	\$ 118	\$ 118	\$ 118	\$ 118	\$ 118	\$ 118	\$ 118	\$ 118	\$ 118	\$ 118	\$ 118	\$ 118	\$ 1,417	Line 4 + Line 5
7	NSAMP (Over)/Under Recovery - IT Programming cost	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (28)	\$ (340)	Line 1 - Line 4
8	NSAMP (Over)/Under Recovery - Reserve account	(90)	(90)	(90)	(90)	(90)	(90)	(90)	(90)	(90)	(90)	(90)	(90)	(90)	(1,077)	Line 2 - Line 5
9	NSAMP (Over)/Under Recovery - Total	\$ (118)	\$ (118)	\$ (118)	\$ (118)	\$ (118)	\$ (118)	\$ (118)	\$ (118)	\$ (118)	\$ (118)	\$ (118)	\$ (118)	\$ (118)	\$ (1,417)	Line 7 + Line 8
10	Beginning Balance - NSAMP IT Reconciliation (Over)/Under Recovery	\$ (368)	\$ (397)	\$ (425)	\$ (453)	\$ (482)	\$ (510)	\$ (538)	\$ (567)	\$ (595)	\$ (623)	\$ (652)	\$ (680)	\$ (708)		Previous month Line 13
11	Beginning Balance - NSAMP Reserve Reconciliation (Over)/Under Recovery	-	(90)	(180)	(269)	(359)	(449)	(539)	(628)	(718)	(808)	(898)	(988)	(1,077)		Previous month Line 14
12	Beginning Balance - NSAMP Total Reconciliation (Over)/Under Recovery	\$ (368)	\$ (486)	\$ (605)	\$ (723)	\$ (841)	\$ (959)	\$ (1,077)	\$ (1,195)	\$ (1,313)	\$ (1,431)	\$ (1,549)	\$ (1,668)	\$ (1,786)		Line 10 + Line 11
13	Ending Balance - NSAMP IT Reconciliation (Over)/Under Recovery	\$ (368)	\$ (397)	\$ (425)	\$ (453)	\$ (482)	\$ (510)	\$ (538)	\$ (567)	\$ (595)	\$ (623)	\$ (652)	\$ (680)	\$ (708)	\$ (708)	Line 13 prior + Line 7 current
14	Ending Balance - NSAMP Reserve Reconciliation (Over)/Under Recovery	-	(90)	(180)	(269)	(359)	(449)	(539)	(628)	(718)	(808)	(898)	(988)	(1,077)	(1,077)	Line 14 prior + Line 8 current
15	Ending Balance - NSAMP Total Reconciliation (Over)/Under Recovery	\$ (368)	\$ (486)	\$ (605)	\$ (723)	\$ (841)	\$ (959)	\$ (1,077)	\$ (1,195)	\$ (1,313)	\$ (1,431)	\$ (1,549)	\$ (1,668)	\$ (1,786)	\$ (1,786)	Line 13 + Line 14
16	Average Balance - NSAMP IT Reconciliation (Over)/Under Recovery	\$ (383)	\$ (411)	\$ (439)	\$ (468)	\$ (496)	\$ (524)	\$ (553)	\$ (581)	\$ (609)	\$ (638)	\$ (666)	\$ (694)			(Line 10 + Line 13) / 2
17	Average Balance - NSAMP Reserve Reconciliation (Over)/Under Recovery	(45)	(135)	(224)	(314)	(404)	(494)	(584)	(673)	(763)	(853)	(943)	(1,032)			(Line 11 + Line 14) / 2
18	Average Balance - NSAMP Total Reconciliation (Over)/Under Recovery	\$ (427)	\$ (546)	\$ (664)	\$ (782)	\$ (900)	\$ (1,018)	\$ (1,136)	\$ (1,254)	\$ (1,372)	\$ (1,490)	\$ (1,609)	\$ (1,727)			Line 16 + Line 17
19	Carrying Charge (Prime Rate)	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%	0.2708%		Prime Rate (monthly)
20	Monthly Carrying Charge - NSAMP IT Reconciliation	\$ (6)	\$ (1)	\$ (1)	\$ (1)	\$ (1)	\$ (1)	\$ (1)	\$ (1)	\$ (2)	\$ (2)	\$ (2)	\$ (2)	\$ (2)	\$ (17)	Line 16 * Line 19
21	Monthly Carrying Charge - NSAMP Reserve Reconciliation	-	(0)	(0)	(1)	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(3)	(3)	(18)	Line 17 * Line 19
22	Monthly Carrying Charge - NSAMP Total Reconciliation	\$ (6)	\$ (1)	\$ (1)	\$ (2)	\$ (2)	\$ (2)	\$ (3)	\$ (3)	\$ (3)	\$ (4)	\$ (4)	\$ (4)	\$ (5)	\$ (35)	Line 20 + Line 21
23	(Over)/Under Recovery plus Carrying Charge - NSAMP IT Reconciliation	\$ (375)													\$ (726)	Line 13 + Line 20
24	(Over)/Under Recovery plus Carrying Charge - NSAMP Reserve Reconciliation	-													(1,095)	Line 14 + Line 21
25	(Over)/Under Recovery plus Carrying Charge - NSAMP Total Reconciliation	\$ (375)													\$ (1,821)	Line 23 + Line 24

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STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes - New Start Program

Tariff NHPUC No. 10

Date Effective: February 1, 2022

(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
	Effect of Proposed Change	Average Number of Customers	Estimated Annual Revenue (a)		Proposed Annual Change	
Class of Service			Current Rates (b)	Proposed Rates (c)	Revenue	Percent
Residential Service Rate R and R-OTOD	Increase	439,078	\$ 682,258,826	\$ 682,870,577	\$ 611,751	0.1%
General Service Rate G and Rate G-OTOD	Increase	75,983	\$ 333,281,990	\$ 333,540,959	\$ 258,969	0.1%
Primary General Service Rate GV	Increase	1,393	\$ 235,761,645	\$ 235,878,791	\$ 117,146	0.0%
Large General Service Rate LG	Increase	121	\$ 160,519,138	\$ 160,581,132	\$ 61,994	0.0%
Outdoor Lighting Service Rate OL and Rate EOL	Decrease	773	\$ 10,198,300	\$ 10,215,309	\$ 17,009	0.2%
Total (a)	Increase	517,349	\$ 1,422,019,899	\$ 1,423,086,768	\$ 1,066,869	0.1%

Notes:

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

(b) Current rate revenue is based on rates effective August 1, 2021.

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

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STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes
Current Rates

Tariff NHPUC No. 10

Date Effective: February 1, 2022

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H) = Sum of (B) to (G)
	Current	Current	Current	Current	Current	Current	Total
Class	Distribution	Transmission	SCRC	System	Regulatory	Energy	Revenue
				Benefits	Reconciliation	Service (b)	
					Adjustment		
Residential Service Rate R (a)	\$ 241,393,169	\$ 98,850,718	\$ 29,177,223	\$ 24,330,751	\$ (514,867)	\$ 289,021,832	\$ 682,258,826
General Service Rate G	100,785,180	49,795,013	17,361,103	12,854,042	(204,841)	152,691,493	333,281,990
Primary General Service Rate GV	43,532,522	44,647,900	13,643,704	12,396,614	(106,087)	121,646,992	235,761,645
Large General Service Rate LG	24,083,195	30,355,925	5,503,851	9,308,181	(72,457)	91,340,443	160,519,138
Outdoor Lighting Rates OL, EOL	6,573,174	590,669	321,698	211,765	(14,536)	2,515,530	10,198,300
Total Retail	<u>\$ 416,367,240</u>	<u>\$ 224,240,225</u>	<u>\$ 66,007,579</u>	<u>\$ 59,101,353</u>	<u>\$ (912,788)</u>	<u>\$ 657,216,290</u>	<u>\$ 1,422,019,899</u>

Notes:

- (a) Revenues for Residential Rate R do not include credits issued to qualifying customers under the Residential Electric Assistance Program.
(b) For purposes of this calculation, all customers are assumed to receive service under the Energy Service rate.
(c) Support for amounts shown above is contained in ELM/JAU-3, pages 11 through 21.

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STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes
Proposed Rates

Tariff NHPUC No. 10

Date Effective: February 1, 2022

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H) = Sum of (B) to (G)
Class	Proposed Permanent Distribution	Current Transmission	Current SCRC	Current System Benefits	Proposed Regulatory Reconciliation Adjustment	Current Energy Service (b)	Total Revenue
Residential Service Rate R (a)	\$ 242,004,920	\$ 98,850,718	\$ 29,177,223	\$ 24,330,751	(514,867)	\$ 289,021,832	\$ 682,870,577
General Service Rate G	101,044,149	49,795,013	17,361,103	12,854,042	(204,841)	152,691,493	333,540,959
Primary General Service Rate GV	43,649,668	44,647,900	13,643,704	12,396,614	(106,087)	121,646,992	235,878,791
Large General Service Rate LG	24,145,189	30,355,925	5,503,851	9,308,181	(72,457)	91,340,443	160,581,132
Outdoor Lighting Rates OL, EOL	<u>6,590,183</u>	<u>590,669</u>	<u>321,698</u>	<u>211,765</u>	<u>(14,536)</u>	<u>2,515,530</u>	<u>10,215,309</u>
Total Retail	<u>\$ 417,434,109</u>	<u>\$ 224,240,225</u>	<u>\$ 66,007,579</u>	<u>\$ 59,101,353</u>	<u>\$ (912,788)</u>	<u>\$ 657,216,290</u>	<u>\$ 1,423,086,768</u>

Notes:

- (a) Revenues for Residential Rate R do not include credits issued to qualifying customers under the Residential Electric Assistance Program.
(b) For purposes of this calculation, all customers are assumed to receive service under the Energy Service rate.
(c) Support for amounts shown above is contained in ELM/JAU-3, pages 11 through 21.

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STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes
Incremental Increase/(Decrease)

Tariff NHPUC No. 10

Date Effective: February 1, 2022

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H) = Sum of (B) to (G)
Class	Proposed Permanent Distribution (b)	Current Transmission	Current SCRC	Current System Benefits	Proposed Regulatory Reconciliation Adjustment	Current Energy Service (c)	Total Revenue
Residential Service Rate R (a)	\$ 611,751	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 611,751
General Service Rate G	258,969	-	-	-	-	-	258,969
Primary General Service Rate GV	117,146	-	-	-	-	-	117,146
Large General Service Rate LG	61,994	-	-	-	-	-	61,994
Outdoor Lighting Rates OL, EOL	17,009	-	-	-	-	-	17,009
Total Retail	<u>\$ 1,066,869</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,066,869</u>

Notes:

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

(b) ELM/JAU-3, page 3 - ELM/JAU-3, page 2

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

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STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION

Report of Proposed Rate Changes
Percent Increase/(Decrease)

Tariff NHPUC No. 10

Date Effective: February 1, 2022

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	Proposed Permanent Distribution (b)	Current Transmission	Current SCRC	Current System Benefits	Proposed Regulatory Reconciliation Adjustment (c)	Current Energy Service (d)	Total Revenue
Class							
Residential Service Rate R (a)	0.3%	0.0%	0.0%	0.0%		0.0%	0.1%
General Service Rate G	0.3%	0.0%	0.0%	0.0%		0.0%	0.1%
Primary General Service Rate GV	0.3%	0.0%	0.0%	0.0%		0.0%	0.1%
Large General Service Rate LG	0.3%	0.0%	0.0%	0.0%		0.0%	0.0%
Outdoor Lighting Rates OL, EOL	0.3%	0.0%	0.0%	0.0%		0.0%	0.2%
Total Retail	0.3%	0.0%	0.0%	0.0%		0.0%	0.1%

Notes:

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

(b) Percent change is ELM/JAU-3, page 4, Column (B) / ELM/JAU-3, page 2, Column (B)

(c) Not a calculable value

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

**Distribution Revenue Allocation
New Start Program Distribution Change**

			Source:
Current Rate Distribution Revenue	\$	416,367	Line 55, Column A
New Start Program Incremental Revenue	\$	1,077	Settlement Agreement
Proposed Distribution Revenue	\$	417,445	Line 11 + Line 13
Incremental Increase	\$	1,077	Line 15 - Line 11
New Start Program Incremental Change		0.26%	Line 15 / Line 11

	A	B	C = B * Line 19	D = B + C	E	F = E - B	G = F / A	H = E / B
	Test Year 2018 Billed Sales (MWh)	Current Rate Distribution Revenue (Rev \$000)	D Change (Rev \$000)	Distribution Target (Rev \$000)	Proposed Rate Distribution (Rev \$000)	Difference Proposed vs Current		
Rate						(Rev \$000)	c/kWh	% Chg.
R	3,144,509	\$ 235,836.0	\$ 610.2	\$ 236,446.2	\$ 236,433.4			
R-10D	462	40.6	0.1	40.7	40.6			
	3,144,971	235,876.6	610.3	236,486.9	236,474.1	\$ 597.5	0.019	0.25%
R-WH	92,916	4,739.5	12.3	4,751.7	4,749.7			
G-WH	3,379	155.1	0.4	155.5	155.5			
LCS-R	36,777	777.1	2.0	779.1	781.2			
LCS-G	4,510	75.6	0.2	75.8	76.1			
	137,582	5,747.2	14.9	5,762.1	5,762.4	15.1	0.011	0.26%
G	1,715,822	100,104.4	259.0	100,363.5	100,361.8			
G-10D	856	209.0	0.5	209.5	209.1			
	1,716,678	100,313.4	259.6	100,573.0	100,570.9	257.5	0.015	0.26%
G-SH	5,452	241.1	0.6	241.7	241.7	0.6	0.011	0.25%
GV	1,665,676	43,279.8	112.0	43,391.8	43,396.4	116.6	0.007	0.27%
LG	1,172,439	22,521.7	58.3	22,579.9	22,580.3	58.6	0.005	0.26%
B-GV	2,778	252.7	0.7	253.4	253.3			
B-LG	80,345	1,561.5	4.0	1,565.6	1,564.9			
	83,123	1,814.3	4.7	1,818.9	1,818.2	3.9	0.005	0.22%
EOL	11,371	2,143.6	5.5	2,149.1	2,149.1			
OL	17,130	4,429.6	11.5	4,441.1	4,441.1			
	28,501	6,573.2	17.0	6,590.2	6,590.2	17.0	0.060	0.26%
Total Retail	7,954,422	\$ 416,367.2	\$ 1,077.4	\$ 417,444.6	\$ 417,434.1	\$ 1,066.9	0.013	0.26%
				Distribution Target	\$ 417,444.6	Line 15		
				Difference	\$ (10.5)	Line 55, Col. F - Line 57, Col. F		

SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

Rate	Blocks	Current Rates (08/01/21)	Proposed Rates (02/01/22)	Percent Change
R	Customer charge All KWH	\$ 13.81 0.05177	\$ 13.81 0.05196	0.00% 0.37%
Uncontrolled Water Heating	Meter charge All KWH	\$ 4.87 0.02393	\$ 4.87 0.02404	0.00% 0.46%
Controlled Water Heating	Meter charge All KWH	\$ 4.87 0.02393	\$ 4.87 0.02404	0.00% 0.46%
R-OTOD	Customer charge	\$ 32.08	\$ 32.08	0.00%
	On-peak KWH	\$ 0.15076	\$ 0.15095	0.13%
	Off-peak KWH	0.00818	0.00818	0.00%
G	Single phase customer charge	\$ 16.21	\$ 16.21	0.00%
	Three phase customer charge	32.39	32.39	0.00%
	Load charge (over 5 KW)	\$ 11.69	\$ 11.69	0.00%
	First 500 KWH	\$ 0.02805	\$ 0.02820	0.53%
	Next 1,000 KWH	0.02268	0.02283	0.66%
	All additional KWH	0.01709	0.01724	0.88%
Space Heating	Meter charge All KWH	\$ 3.24 0.04124	\$ 3.24 0.04135	0.00% 0.27%
G-OTOD	Single phase customer charge	\$ 41.98	\$ 41.98	0.00%
	Three phase customer charge	60.00	60.00	0.00%
	Load charge	\$ 15.12	\$ 15.12	0.00%
	On-peak KWH	0.05335	0.05350	0.28%
	Off-peak KWH	0.00836	0.00851	1.79%
LCS	Radio-controlled option	\$ 6.99	\$ 6.99	0.00%
	8, 10 or 11-hour option	4.87	4.87	0.00%
	Switch option	4.87	4.87	0.00%
	Radio-controlled option	\$ 0.01273	\$ 0.01284	0.86%
	8-hour option	0.02393	0.02404	0.46%
	10 or 11-hour option	0.02393	0.02404	0.46%

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SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

Rate	Blocks	Current Rates (08/01/21)	Proposed Rates (02/01/22)	Percent Change
GV	Customer charge	\$ 211.21	\$ 211.21	0.00%
	First 100 KW	\$ 6.98	\$ 6.98	0.00%
	All additional KW	6.72	6.72	0.00%
	First 200,000 KWH	\$ 0.00656	\$ 0.00663	1.07%
	All additional KWH	0.00583	0.00590	1.20%
	Minimum Charge	\$ 1,062.00	\$ 1,062.00	0.00%
LG	Customer charge	\$ 660.15	\$ 660.15	0.00%
	Demand charge	\$ 5.92	\$ 5.92	0.00%
	On-peak KWH	\$ 0.00554	\$ 0.00559	0.90%
	Off-peak KWH	0.00468	0.00473	1.07%
	Minimum Charge	\$ 1,126.00	\$ 1,126.00	0.00%
	Discount for Service at 115kV	\$ (0.51)	\$ (0.51)	0.00%
B Service at less than 115 KV	Administrative charge	\$ 372.10	\$ 372.10	0.00%
	Translation charge	62.42	62.42	0.00%
	Demand charge	\$ 5.42	\$ 5.43	0.18%
	All KWH	Energy charges in the standard rate		
B Service at 115 KV or higher	Administrative charge	\$ 372.10	\$ 372.10	0.00%
	Translation charge	62.42	62.42	0.00%
	Demand charge	Not applicable		
	All KWH	Not applicable		

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SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

Outdoor Lighting Service Rate OL

	<u>Lumens</u>	<u>Watts</u>	<u>Current Rates (08/01/21)</u>	<u>Proposed Rates (02/01/22)</u>	<u>Percent Change</u>
For new and existing installations					
High Pressure Sodium	4,000	50	\$ 15.55	\$ 15.59	0.26%
	5,800	70	\$ 15.55	15.59	0.26%
	9,500	100	\$ 20.68	20.73	0.26%
	16,000	150	\$ 29.25	29.32	0.26%
	30,000	250	\$ 29.97	30.05	0.26%
	50,000	400	\$ 30.31	30.39	0.26%
	130,000	1,000	\$ 48.64	48.76	0.26%
Metal Halide	5,000	70	16.22	16.26	0.26%
	8,000	100	22.20	22.26	0.26%
	13,000	150	30.46	30.54	0.26%
	13,500	175	31.11	31.19	0.26%
	20,000	250	31.11	31.19	0.26%
	36,000	400	31.40	31.48	0.26%
	100,000	1,000	47.07	47.19	0.26%
Light Emitting Diode (LED)	2,500	28	10.26	10.29	0.26%
	4,100	36	10.24	10.27	0.26%
	4,800	51	10.41	10.44	0.26%
	8,500	92	11.44	11.47	0.26%
	13,300	142	12.64	12.67	0.26%
	24,500	220	15.85	15.89	0.26%
For existing installations only					
Incandescent	600	105	8.96	8.98	0.26%
	1,000	105	10.00	10.03	0.26%
	2,500	205	12.83	12.86	0.26%
	6,000	448	22.05	22.10	0.26%
Mercury	3,500	100	13.71	13.75	0.26%
	7,000	175	16.50	16.55	0.26%
	11,000	250	20.40	20.46	0.26%
	15,000	400	23.34	23.40	0.26%
	20,000	400	25.20	25.26	0.26%
	56,000	1,000	40.05	40.16	0.26%
Fluorescent	20,000	330	34.18	34.27	0.26%
High Pressure Sodium in existing mercury luminaires					
	12,000	150	21.39	21.45	0.26%
	34,200	360	27.38	27.45	0.26%

Summary of Revenues by Type and Class

Current Revenues							
	Distribution	Transmission	SCRC	SBC	RRA	Energy	Total
Rate R	235,835,983	95,781,754	28,174,803	23,363,704	(503,121)	277,534,392	660,187,515
Rate R CWH	27,598	12,845	2,500	4,047	(49)	48,078	95,019
Rate R UWH	4,711,866	2,178,117	827,648	686,319	(8,313)	8,152,699	16,548,336
Rate R LCS	777,108	867,199	168,806	273,252	(3,310)	3,245,929	5,328,984
Rate R OTOD	40,614	10,803	3,466	3,429	(74)	40,734	98,972
Rate R	241,393,169	98,850,718	29,177,223	24,330,751	(514,867)	289,021,832	682,258,826
Rate G	100,104,434	49,398,204	17,218,966	12,748,559	(203,046)	151,438,466	330,705,583
Rate G CWH	-	-	-	-	-	-	-
Rate G UWH	155,115	79,684	35,145	25,108	(304)	298,257	593,005
Rate G LCS	75,558	106,343	24,804	33,508	(406)	398,042	637,849
Rate G Space	241,083	154,833	72,728	40,507	(545)	481,181	989,787
Rate G OTOD	208,990	55,949	9,460	6,360	(540)	75,547	355,766
Rate G	100,785,180	49,795,013	17,361,103	12,854,042	(204,841)	152,691,493	333,281,990
Rate GV	43,532,522	44,647,900	13,643,704	12,396,614	(106,087)	121,646,992	235,761,645
Rate LG	24,083,195	30,355,925	5,503,851	9,308,181	(72,457)	91,340,443	160,519,138
Rate OL/EOL	6,573,174	590,669	321,698	211,765	(14,536)	2,515,530	10,198,300
TOTAL	416,367,240	224,240,225	66,007,579	59,101,353	(912,788)	657,216,290	1,422,019,899

Proposed Revenues							
	Distribution	Transmission	SCRC	SBC	RRA	Energy	Total
Rate R	236,433,440	95,781,754	28,174,803	23,363,704	(503,121)	277,534,392	660,784,972
Rate R CWH	27,658	12,845	2,500	4,047	(49)	48,078	95,079
Rate R UWH	4,722,027	2,178,117	827,648	686,319	(8,313)	8,152,699	16,558,497
Rate R LCS	781,152	867,199	168,806	273,252	(3,310)	3,245,929	5,333,028
Rate R OTOD	40,643	10,803	3,466	3,429	(74)	40,734	99,001
Rate R	242,004,920	98,850,718	29,177,223	24,330,751	(514,867)	289,021,832	682,870,577
Rate G	100,361,807	49,398,204	17,218,966	12,748,559	(203,046)	151,438,466	330,962,956
Rate G CWH	-	-	-	-	-	-	-
Rate G UWH	155,486	79,684	35,145	25,108	(304)	298,257	593,376
Rate G LCS	76,055	106,343	24,804	33,508	(406)	398,042	638,346
Rate G Space	241,682	154,833	72,728	40,507	(545)	481,181	990,386
Rate G OTOD	209,119	55,949	9,460	6,360	(540)	75,547	355,895
Rate G	101,044,149	49,795,013	17,361,103	12,854,042	(204,841)	152,691,493	333,540,959
Rate GV	43,649,668	44,647,900	13,643,704	12,396,614	(106,087)	121,646,992	235,878,791
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	6,590,183	590,669	321,698	211,765	(14,536)	2,515,530	10,215,309
TOTAL	417,434,109	224,240,225	66,007,579	59,101,353	(912,788)	657,216,290	1,423,086,768

Note: Immaterial differences due to rounding.

Source of data is ELM/JAU-3, pages 12 through 21

Comparison of Current vs Proposed
Permanent Rates

Rate R - Residential Electric Service

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Customer Charge							
Customer Charge	5,289,264	\$ 13.81	\$ 73,044,736	\$ 13.81	\$ 73,044,736	\$ -	0.00%
Energy Charge All kWh	3,144,509,315						
Distribution		\$ 0.05177	\$ 162,791,247	\$ 0.05196	\$ 163,388,704	\$ 597,457	0.37%
Transmission		0.03046	95,781,754	0.03046	95,781,754	-	0.00%
Stranded Cost Recovery Charge		0.00896	28,174,803	0.00896	28,174,803	-	0.00%
System Benefits Charge		0.00743	23,363,704	0.00743	23,363,704	-	0.00%
Regulatory Reconciliation Adjustment		(0.00016)	(503,121)	(0.00016)	(503,121)	-	0.00%
Energy Service Charge		0.08826	277,534,392	0.08826	277,534,392	-	0.00%
Distribution Impact Only		\$ 0.07500	\$ 235,835,983	\$ 0.07519	\$ 236,433,440	\$ 597,457	0.25%
Total Change		\$ 0.20995	\$ 660,187,515	\$ 0.21014	\$ 660,784,972	\$ 597,457	0.09%

Rate R - Residential Uncontrolled Water Heating

Customer Charge							
Customer Charge	513,638	\$ 4.87	\$ 2,501,419	\$ 4.87	\$ 2,501,419	\$ -	0.00%
Energy Charge All kWh	92,371,389						
Distribution		\$ 0.02393	\$ 2,210,447	\$ 0.02404	\$ 2,220,608	\$ 10,161	0.46%
Transmission		0.02358	2,178,117	0.02358	2,178,117	-	0.00%
Stranded Cost Recovery Charge		0.00896	827,648	0.00896	827,648	-	0.00%
System Benefits Charge		0.00743	686,319	0.00743	686,319	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	(8,313)	(0.00009)	(8,313)	-	0.00%
Energy Service Charge		0.08826	8,152,699	0.08826	8,152,699	-	0.00%
Distribution Impact Only		\$ 0.05101	\$ 4,711,866	\$ 0.05112	\$ 4,722,027	\$ 10,161	0.22%
Total Change		\$ 0.17915	\$ 16,548,336	\$ 0.17926	\$ 16,558,497	\$ 10,161	0.06%

Rate R - Residential Controlled Water Heating

Customer Charge							
Customer Charge	2,990	\$ 4.87	\$ 14,563	\$ 4.87	\$ 14,563	\$ -	0.00%
Energy Charge All kWh	544,730						
Distribution		\$ 0.02393	\$ 13,035	\$ 0.02404	\$ 13,095	\$ 60	0.46%
Transmission		0.02358	12,845	0.02358	12,845	-	0.00%
Stranded Cost Recovery Charge		0.00459	2,500	0.00459	2,500	-	0.00%
System Benefits Charge		0.00743	4,047	0.00743	4,047	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	(49)	(0.00009)	(49)	-	0.00%
Energy Service Charge		0.08826	48,078	0.08826	48,078	-	0.00%
Distribution Impact Only		\$ 0.05066	\$ 27,598	\$ 0.05077	\$ 27,658	\$ 60	0.22%
Total Change		\$ 0.17443	\$ 95,019	\$ 0.17454	\$ 95,079	\$ 60	0.06%

Comparison of Current vs Proposed
Permanent Rates

Rate R - Load Control Service, Radio Controlled

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Customer Charge							
Customer Charge	41,348	\$ 6.99	\$ 289,020	\$ 6.99	\$ 289,020	\$ -	0.00%
Energy Charge All kWh	36,095,933						
Distribution		\$ 0.01273	\$ 459,501	\$ 0.01284	\$ 463,472	\$ 3,971	0.86%
Transmission		0.02358	851,142	0.02358	851,142	-	0.00%
Stranded Cost Recovery Charge		0.00459	165,680	0.00459	165,680	-	0.00%
System Benefits Charge		0.00743	268,193	0.00743	268,193	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	(3,249)	(0.00009)	(3,249)	-	0.00%
Energy Service Charge		0.08826	3,185,827	0.08826	3,185,827	-	0.00%
Distribution Impact Only		\$ 0.02074	\$ 748,521	\$ 0.02085	\$ 752,492	\$ 3,971	0.53%
Total Change		\$ 0.14451	\$ 5,216,114	\$ 0.14462	\$ 5,220,085	\$ 3,971	0.08%

Rate R - Load Control Service, 8 Hour Switch

Customer Charge							
Customer Charge	145	\$ 4.87	\$ 704	\$ 4.87	\$ 704	\$ -	0.00%
Energy Charge All kWh	44,152						
Distribution		\$ 0.02393	\$ 1,057	\$ 0.02404	\$ 1,061	\$ 4	0.46%
Transmission		0.02358	1,041	0.02358	1,041	-	0.00%
Stranded Cost Recovery Charge		0.00459	203	0.00459	203	-	0.00%
System Benefits Charge		0.00743	328	0.00743	328	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	(4)	(0.00009)	(4)	-	0.00%
Energy Service Charge		0.08826	3,897	0.08826	3,897	-	0.00%
Distribution Impact Only		\$ 0.03988	\$ 1,761	\$ 0.03998	\$ 1,765	\$ 4	0.23%
Total Change		\$ 0.16366	\$ 7,226	\$ 0.16375	\$ 7,230	\$ 4	0.06%

Rate R - Load Control Service, 8 Hour No Switch

Customer Charge							
Customer Charge	1,249	\$ 4.87	\$ 6,084	\$ 4.87	\$ 6,084	\$ -	0.00%
Energy Charge All kWh	357,451						
Distribution		\$ 0.02393	\$ 8,554	\$ 0.02404	\$ 8,593	\$ 39	0.46%
Transmission		0.02358	8,429	0.02358	8,429	-	0.00%
Stranded Cost Recovery Charge		0.00459	1,641	0.00459	1,641	-	0.00%
System Benefits Charge		0.00743	2,656	0.00743	2,656	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	(32)	(0.00009)	(32)	-	0.00%
Energy Service Charge		0.08826	31,549	0.08826	31,549	-	0.00%
Distribution Impact Only		\$ 0.04095	\$ 14,638	\$ 0.04106	\$ 14,677	\$ 39	0.27%
Total Change		\$ 0.16472	\$ 58,881	\$ 0.16483	\$ 58,920	\$ 39	0.07%

Rate R - Load Control Service, 10/11 Hour Switch

Customer Charge							
Customer Charge	60	\$ 4.87	\$ 292	\$ 4.87	\$ 292	\$ -	0.00%
Energy Charge All kWh	13,784						
Distribution		\$ 0.02393	\$ 330	\$ 0.02404	\$ 331	\$ 1	0.46%
Transmission		0.02358	325	0.02358	325	-	0.00%
Stranded Cost Recovery Charge		0.00459	63	0.00459	63	-	0.00%
System Benefits Charge		0.00743	102	0.00743	102	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	(1)	(0.00009)	(1)	-	0.00%
Energy Service Charge		0.08826	1,217	0.08826	1,217	-	0.00%
Distribution Impact Only		\$ 0.04512	\$ 622	\$ 0.04520	\$ 623	\$ 1	0.16%
Total Change		\$ 0.16889	\$ 2,328	\$ 0.16896	\$ 2,329	\$ 1	0.04%

Rate R - Load Control Service, 10/11 Hour No Switch

Customer Charge							
Customer Charge	1,070	\$ 4.87	\$ 5,211	\$ 4.87	\$ 5,211	\$ -	0.00%
Energy Charge All kWh	265,564						
Distribution		\$ 0.02393	\$ 6,355	\$ 0.02404	\$ 6,384	\$ 29	0.46%
Transmission		0.02358	6,262	0.02358	6,262	-	0.00%
Stranded Cost Recovery Charge		0.00459	1,219	0.00459	1,219	-	0.00%
System Benefits Charge		0.00743	1,973	0.00743	1,973	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	(24)	(0.00009)	(24)	-	0.00%
Energy Service Charge		0.08826	23,439	0.08826	23,439	-	0.00%
Distribution Impact Only		\$ 0.04355	\$ 11,566	\$ 0.04366	\$ 11,595	\$ 29	0.25%
Total Change		\$ 0.16732	\$ 44,435	\$ 0.16743	\$ 44,464	\$ 29	0.07%

1								
2								
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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	Proposed	Proposed	Proposed vs. Current	
14		Determinants	Rate	Revenues	Rate	Revenues	Difference	% Chg
15								
16	Customer Charge							
17	Customer Charge	466	\$ 32.08	\$ 14,936	\$ 32.08	\$ 14,936	\$ -	0.00%
18								
19	Energy Charge On Peak kWh	153,613						
20	Distribution		\$ 0.15076	\$ 23,159	\$ 0.15095	\$ 23,188	\$ 29	0.13%
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		0.08826	13,558	0.08826	13,558	-	0.00%
26								
27	Energy Charge Off Peak kWh	307,907						
28	Distribution		\$ 0.00818	\$ 2,519	\$ 0.00818	\$ 2,519	-	0.00%
29	Transmission		0.01989	6,124	0.01989	6,124	-	0.00%
30	Stranded Cost Recovery Charge		0.00751	2,312	0.00751	2,312	-	0.00%
31	System Benefits Charge		0.00743	2,288	0.00743	2,288	-	0.00%
32	Regulatory Reconciliation Adjustment		(0.00016)	(49)	(0.00016)	(49)	-	0.00%
33	Energy Service Charge		0.08826	27,176	0.08826	27,176	-	0.00%
34								
35	Distribution Impact Only		\$ 0.08800	\$ 40,614	\$ 0.08806	\$ 40,643	\$ 29	0.07%
36	Total Change		\$ 0.21445	\$ 98,972	\$ 0.21451	\$ 99,001	\$ 29	0.03%

Comparison of Current vs Proposed
Permanent Rates

Rate G - General Service

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Customer Charge							
Customer Charge 1 Phase	682,271	\$ 16.21	\$ 11,059,613	\$ 16.21	\$ 11,059,613	-	0.00%
Customer Charge 3 Phase	235,118	\$ 32.39	7,615,478	32.39	7,615,478	-	0.00%
Demand Charge >5 kW	4,060,918						
Distribution		\$ 11.69	\$ 47,472,131	\$ 11.69	\$ 47,472,131	-	0.00%
Transmission		7.86	31,918,815	7.86	31,918,815	-	0.00%
Stranded Cost Recovery Charge		0.86	3,492,389	0.86	3,492,389	-	0.00%
Regulatory Reconciliation Adjustment		(0.05)	(203,046)	(0.05)	(203,046)	-	0.00%
Energy Charge < 500 kWh	273,389,497						
Distribution		\$ 0.02805	\$ 7,668,575	\$ 0.02820	\$ 7,709,584	41,009	0.53%
Transmission		0.02840	7,764,262	0.02840	7,764,262	-	0.00%
Stranded Cost Recovery Charge		0.00800	2,187,116	0.00800	2,187,116	-	0.00%
System Benefits Charge		0.00743	2,031,284	0.00743	2,031,284	-	0.00%
Energy Service Charge		0.08826	24,129,357	0.08826	24,129,357	-	0.00%
Energy Charge 501 - 1500 kWh	292,926,918						
Distribution		\$ 0.02268	\$ 6,643,583	\$ 0.02283	\$ 6,687,522	43,939	0.66%
Transmission		0.01068	3,128,459	0.01068	3,128,459	-	0.00%
Stranded Cost Recovery Charge		0.00800	2,343,415	0.00800	2,343,415	-	0.00%
System Benefits Charge		0.00743	2,176,447	0.00743	2,176,447	-	0.00%
Energy Service Charge		0.08826	25,853,730	0.08826	25,853,730	-	0.00%
Energy Charge >1500 kWh	1,149,505,765						
Distribution		\$ 0.01709	19,645,054	\$ 0.01724	19,817,479	172,425	0.88%
Transmission		0.00573	6,586,668	0.00573	6,586,668	-	0.00%
Stranded Cost Recovery Charge		0.00800	9,196,046	0.00800	9,196,046	-	0.00%
System Benefits Charge		0.00743	8,540,828	0.00743	8,540,828	-	0.00%
Energy Service Charge		0.08826	101,455,379	0.08826	101,455,379	-	0.00%
Distribution Impact Only		\$ 0.05834	100,104,434	\$ 0.05849	\$ 100,361,807	\$ 257,373	0.26%
Total Change		\$ 0.19274	330,705,583	\$ 0.19289	\$ 330,962,956	\$ 257,373	0.08%

Comparison of Current vs Proposed
Permanent Rates

Rate G - General Service Uncontrolled Water Heating

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Customer Charge							
Customer Charge	15,246	\$ 4.87	\$ 74,248	\$ 4.87	\$ 74,248	\$ -	0.00%
Energy Charge All kWh	3,379,300						
Distribution		\$ 0.02393	\$ 80,867	\$ 0.02404	\$ 81,238	\$ 371	0.46%
Transmission		0.02358	79,684	0.02358	79,684	-	0.00%
Stranded Cost Recovery Charge		0.01040	35,145	0.01040	35,145	-	0.00%
System Benefits Charge		0.00743	25,108	0.00743	25,108	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	(304)	(0.00009)	(304)	-	0.00%
Energy Service Charge		0.08826	298,257	0.08826	298,257	-	0.00%
Distribution Impact Only		\$ 0.04590	\$ 155,115	\$ 0.04601	\$ 155,486	\$ 371	0.24%
Total Change		\$ 0.17548	\$ 593,005	\$ 0.17559	\$ 593,376	\$ 371	0.06%

Rate G - General Service Controlled Water Heating

Customer Charge							
Customer Charge	-	\$ 4.87	\$ -	\$ 4.87	\$ -	\$ -	0.00%
Energy Charge All kWh	-						
Distribution		\$ 0.02393	\$ -	\$ 0.02404	\$ -	\$ -	0.46%
Transmission		0.02358	-	0.02358	-	-	0.00%
Stranded Cost Recovery Charge		0.00550	-	0.00550	-	-	0.00%
System Benefits Charge		0.00743	-	0.00743	-	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	-	(0.00009)	-	-	0.00%
Energy Service Charge		0.08826	-	0.08826	-	-	0.00%
Distribution Impact Only			\$ -		\$ -	\$ -	
Total Change			\$ -		\$ -	\$ -	

Comparison of Current vs Proposed
Permanent Rates

Rate G - Space Heating

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Customer Charge							
Customer Charge	5,015	\$ 3.24	\$ 16,248	\$ 3.24	\$ 16,248	\$ -	0.00%
Energy Charge All kWh	5,451,861						
Distribution		\$ 0.04124	\$ 224,835	\$ 0.04135	\$ 225,434	\$ 599	0.27%
Transmission		0.02840	154,833	0.02840	154,833	-	0.00%
Stranded Cost Recovery Charge		0.01334	72,728	0.01334	72,728	-	0.00%
System Benefits Charge		0.00743	40,507	0.00743	40,507	-	0.00%
Regulatory Reconciliation Adjustment		(0.00010)	(545)	(0.00010)	(545)	-	0.00%
Energy Service Charge		0.08826	481,181	0.08826	481,181	-	0.00%
Distribution Impact Only		\$ 0.04422	\$ 241,083	\$ 0.04433	\$ 241,682	\$ 599	0.25%
Total		\$ 0.18155	\$ 989,787	\$ 0.18166	\$ 990,386	\$ 599	0.06%

Rate G - Optional Time of Day

Customer Charge							
Customer Charge 1 Phase	199	\$ 41.98	\$ 8,354	\$ 41.98	\$ 8,354	\$ -	0.00%
Customer Charge 3 Phase	261	\$ 60.00	15,636	60.00	15,636	-	0.00%
Demand Charge	10,801						
Distribution		\$ 15.12	\$ 163,311	\$ 15.12	\$ 163,311	\$ -	0.00%
Transmission		5.18	55,949	5.18	55,949	-	0.00%
Stranded Cost Recovery Charge		0.44	4,752	0.44	4,752	-	0.00%
Regulatory Reconciliation Adjustment		(0.05)	(540)	(0.05)	(540)	-	0.00%
Energy Charge On Peak kWh	323,044						
Distribution		\$ 0.05335	\$ 17,234	\$ 0.05350	\$ 17,283	\$ 49	0.28%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00550	1,777	0.00550	1,777	-	0.00%
System Benefits Charge		0.00743	2,400	0.00743	2,400	-	0.00%
Energy Service Charge		0.08826	28,512	0.08826	28,512	-	0.00%
Energy Charge Off Peak kWh	532,915						
Distribution		\$ 0.00836	\$ 4,455	\$ 0.00851	\$ 4,535	\$ 80	1.79%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00550	2,931	0.00550	2,931	-	0.00%
System Benefits Charge		0.00743	3,960	0.00743	3,960	-	0.00%
Energy Service Charge		0.08826	47,035	0.08826	47,035	-	0.00%
Distribution Impact Only		\$ 0.24416	\$ 208,990	\$ 0.24431	\$ 209,119	\$ 129	0.06%
Total Change		\$ 0.41563	\$ 355,766	\$ 0.41579	\$ 355,895	\$ 129	0.04%

Comparison of Current vs Proposed
Permanent Rates

Rate G - Load Control Service, Radio Controlled

	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Customer Charge							
Customer Charge	2,298	\$ 6.99	\$ 16,063	\$ 6.99	\$ 16,063	\$ -	0.00%
Energy Charge All kWh	4,365,538						
Distribution		\$ 0.01273	\$ 55,573	\$ 0.01284	\$ 56,054	\$ 481	0.86%
Transmission		0.02358	102,939	0.02358	102,939	-	0.00%
Stranded Cost Recovery Charge		0.00550	24,010	0.00550	24,010	-	0.00%
System Benefits Charge		0.00743	32,436	0.00743	32,436	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	(393)	(0.00009)	(393)	-	0.00%
Energy Service Charge		0.08826	385,302	0.08826	385,302	-	0.00%
Distribution Impact Only		\$ 0.01641	\$ 71,636	\$ 0.01652	\$ 72,117	\$ 481	0.67%
Total Change		\$ 0.14109	\$ 615,930	\$ 0.14120	\$ 616,411	\$ 481	0.08%

Rate G - Load Control Service, 8 Hour No Switch

Customer Charge							
Customer Charge	72	\$ 4.87	\$ 351	\$ 4.87	\$ 351	\$ -	0.00%
Energy Charge All kWh	68,521						
Distribution		\$ 0.02393	\$ 1,640	\$ 0.02404	\$ 1,647	\$ 7	0.46%
Transmission		0.02358	1,616	0.02358	1,616	-	0.00%
Stranded Cost Recovery Charge		0.00550	377	0.00550	377	-	0.00%
System Benefits Charge		0.00743	509	0.00743	509	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	(6)	(0.00009)	(6)	-	0.00%
Energy Service Charge		0.08826	6,048	0.08826	6,048	-	0.00%
Distribution Impact Only		\$ 0.02906	\$ 1,991	\$ 0.02916	\$ 1,998	\$ 7	0.35%
Total Change		\$ 0.15375	\$ 10,535	\$ 0.15385	\$ 10,542	\$ 7	0.07%

Rate G - Load Control Service, 8 Hour Switch

Customer Charge							
Customer Charge	0	\$ 4.87	\$ -	\$ 4.87	\$ -	\$ -	0.00%
Energy Charge All kWh	0						
Distribution		\$ 0.02393	\$ -	\$ 0.02404	\$ -	\$ -	0.46%
Transmission		0.02358	-	0.02358	-	-	0.00%
Stranded Cost Recovery Charge		0.00550	-	0.00550	-	-	0.00%
System Benefits Charge		0.00743	-	0.00743	-	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	-	(0.00009)	-	-	0.00%
Energy Service Charge		0.08826	-	0.08826	-	-	0.00%
Distribution Impact Only			\$ -		\$ -	\$ -	
Total Change			\$ -		\$ -	\$ -	

Rate G - Load Control Service, 10/11 Hour Switch

Customer Charge							
Customer Charge	0	\$ 4.87	\$ -	\$ 4.87	\$ -	\$ -	0.00%
Energy Charge All kWh	0						
Distribution		\$ 0.02393	\$ -	\$ 0.02404	\$ -	\$ -	0.46%
Transmission		0.02358	-	0.02358	-	-	0.00%
Stranded Cost Recovery Charge		0.00550	-	0.00550	-	-	0.00%
System Benefits Charge		0.00743	-	0.00743	-	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	-	(0.00009)	-	-	0.00%
Energy Service Charge		0.08826	-	0.08826	-	-	0.00%
Distribution Impact Only			\$ -		\$ -	\$ -	
Total Change			\$ -		\$ -	\$ -	

Rate G - Load Control Service, 10/11 Hour No Switch

Customer Charge							
Customer Charge	24	\$ 4.87	\$ 117	\$ 4.87	\$ 117	\$ -	0.00%
Energy Charge All kWh	75,820						
Distribution		\$ 0.02393	\$ 1,814	\$ 0.02404	\$ 1,823	\$ 9	0.46%
Transmission		0.02358	1,788	0.02358	1,788	-	0.00%
Stranded Cost Recovery Charge		0.00550	417	0.00550	417	-	0.00%
System Benefits Charge		0.00743	563	0.00743	563	-	0.00%
Regulatory Reconciliation Adjustment		(0.00009)	(7)	(0.00009)	(7)	-	0.00%
Energy Service Charge		0.08826	6,692	0.08826	6,692	-	0.00%
Distribution Impact Only		\$ 0.02547	\$ 1,931	\$ 0.02559	\$ 1,940	\$ 9	0.47%
Total Change		\$ 0.15015	\$ 11,384	\$ 0.15026	\$ 11,393	\$ 9	0.08%

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Comparison of Current vs Proposed Permanent Rates							
Rate GV	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Customer Charge							
Customer Charge	16,601	\$ 211.21	\$ 3,506,255	\$ 211.21	\$ 3,506,255	\$ -	0.00%
Demand 1-100 kW	1,568,428						
Distribution		\$ 6.98	\$ 10,947,627	\$ 6.98	\$ 10,947,627	\$ -	0.00%
Transmission		10.52	16,499,863	10.52	16,499,863	-	0.00%
Stranded Cost Recovery Charge		0.76	1,192,005	0.76	1,192,005	-	0.00%
Regulatory Reconciliation Adjustment		(0.02)	(39,083)	(0.02)	(39,083)	-	0.00%
Demand > 100 kW	2,667,694						
Distribution		\$ 6.72	\$ 17,926,904	\$ 6.72	\$ 17,926,904	\$ -	0.00%
Transmission		10.52	28,064,141	10.52	28,064,141	-	0.00%
Stranded Cost Recovery Charge		0.76	2,027,447	0.76	2,027,447	-	0.00%
Regulatory Reconciliation Adjustment		(0.02)	(66,475)	(0.02)	(66,475)	-	0.00%
Minimum Charge	123	\$ 1,062.00	\$ 130,894	\$ 1,062.00	\$ 130,894	\$ -	0.00%
Energy Charge 1 - 200,000 kWh	1,448,276,753						
Distribution		\$ 0.00656	\$ 9,500,695	\$ 0.00663	\$ 9,602,075	\$ 101,380	1.07%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00624	9,037,247	0.00624	9,037,247	-	0.00%
System Benefits Charge		0.00743	10,760,696	0.00743	10,760,696	-	0.00%
Energy Service Charge		0.07291	105,593,858	0.07291	105,593,858	-	0.00%
Energy Charge >200,000 kWh	217,399,074						
Distribution		\$ 0.00583	\$ 1,267,437	\$ 0.00590	\$ 1,282,655	\$ 15,218	1.20%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00624	1,356,570	0.00624	1,356,570	-	0.00%
System Benefits Charge		0.00743	1,615,275	0.00743	1,615,275	-	0.00%
Energy Service Charge		0.07291	15,850,566	0.07291	15,850,566	-	0.00%
Distribution Impact Only		\$ 0.02598	\$ 43,279,812	\$ 0.02605	\$ 43,396,410	\$ 116,598	0.27%
Total Change		\$ 0.14119	\$ 235,171,922	\$ 0.14126	\$ 235,288,520	\$ 116,598	0.05%
Rate GV - Backup Service < 115 KV							
Administrative Charge	108	\$ 372.10	\$ 40,187	\$ 372.10	\$ 40,187	\$ -	0.00%
Translation Charge	39	\$ 62.42	\$ 2,434	\$ 62.42	\$ 2,434	\$ -	0.00%
Demand Charge	35,399						
Distribution		\$ 5.42	\$ 191,863	\$ 5.43	\$ 192,217	\$ 354	0.18%
Transmission		2.37	83,896	2.37	83,896	-	0.00%
Stranded Cost Recovery Charge		0.37	13,098	0.37	13,098	-	0.00%
Regulatory Reconciliation Adjustment		(0.01)	(529)	(0.01)	(529)	-	0.00%
Energy Charge 1 - 200,000 kWh	2,778,333						
Distribution		\$ 0.00656	\$ 18,226	\$ 0.00663	\$ 18,420	\$ 194	1.07%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00624	17,337	0.00624	17,337	-	0.00%
System Benefits Charge		0.00743	20,643	0.00743	20,643	-	0.00%
Energy Service Charge		0.07291	202,568	0.07291	202,568	-	0.00%
Energy Charge >200,000 kWh	0						
Distribution		\$ 0.00583	\$ -	\$ 0.00590	\$ -	\$ -	1.20%
Transmission		-	-	-	-	-	-
Stranded Cost Recovery Charge		0.00624	-	0.00624	-	-	0.00%
System Benefits Charge		0.00743	-	0.00743	-	-	0.00%
Energy Service Charge		0.07291	-	0.07291	-	-	0.00%
Distribution Impact Only		\$ 0.09096	\$ 252,710	\$ 0.09115	\$ 253,258	\$ 548	0.22%
Total Change		\$ 0.21226	\$ 589,723	\$ 0.21246	\$ 590,271	\$ 548	0.09%
Rate GV - Backup Service > 115 KV							
Administrative Charge	-	\$ 372.10	\$ -	\$ 372.10	\$ -	\$ -	0.00%
Translation Charge	-	\$ 62.42	\$ -	\$ 62.42	\$ -	\$ -	0.00%
Demand Charge	-						
Transmission		2.37	-	2.37	-	-	0.00%
Stranded Cost Recovery Charge		0.37	-	0.37	-	-	0.00%
Regulatory Reconciliation Adjustment		(0.01)	-	(0.01)	-	-	0.00%
Energy Charge On Peak	-						
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00256	-	0.00256	-	-	0.00%
System Benefits Charge		0.00586	-	0.00586	-	-	0.00%
Energy Service Charge		0.12222	-	0.12222	-	-	0.00%
Energy Charge Off Peak	-						
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00171	-	0.00171	-	-	0.00%
System Benefits Charge		0.00586	-	0.00586	-	-	0.00%
Energy Service Charge		0.12222	-	0.12222	-	-	0.00%
Distribution Impact Only		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Change		\$ -	\$ -	\$ -	\$ -	\$ -	-

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Comparison of Current vs Proposed Permanent Rates							
Rate LG	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Customer Charge							
Customer Charge	1,272	\$ 660.15	\$ 839,711	\$ 660.15	\$ 839,711	\$ -	0.00%
Demand	2,661,538						
Distribution		\$ 5.92	\$ 15,756,305	\$ 5.92	\$ 15,756,305	\$ -	0.00%
Transmission		10.36	27,573,534	10.36	27,573,534	-	0.00%
Stranded Cost Recovery Charge		0.50	1,330,769	0.50	1,330,769	-	0.00%
Regulatory Reconciliation Adjustment		(0.02)	(54,905)	(0.02)	(54,905)	-	0.00%
Minimum Charge	0	\$ 1,126.00	\$ -	\$ 1,126.00	\$ -	\$ -	0.00%
Discount for above 115kV	0	\$ (0.51)	\$ -	\$ (0.51)	\$ -	\$ -	0.00%
Energy Charge On Peak	510,025,661						
Distribution		\$ 0.00554	\$ 2,825,542	\$ 0.00559	\$ 2,851,043	\$ 25,501	0.90%
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00393	2,004,401	0.00393	2,004,401	-	0.00%
System Benefits Charge		0.00743	3,789,491	0.00743	3,789,491	-	0.00%
Energy Service Charge		0.07291	37,185,971	0.07291	37,185,971	-	0.00%
Energy Charge Off Peak	662,413,106						
Distribution		\$ 0.00468	\$ 3,100,093	\$ 0.00473	\$ 3,133,214	\$ 33,121	1.07%
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00247	1,636,160	0.00247	1,636,160	-	0.00%
System Benefits Charge		0.00743	4,921,729	0.00743	4,921,729	-	0.00%
Energy Service Charge		0.07291	48,296,540	0.07291	48,296,540	-	0.00%
Distribution Impact Only		\$ 0.01921	\$ 22,521,651	\$ 0.01926	\$ 22,580,273	\$ 58,622	0.26%
Total Charge		\$ 0.12726	\$149,205,341	\$ 0.12731	\$149,263,963	\$ 58,622	0.04%
Rate LG - Backup Service < 115 KV							
Administrative Charge	109	\$ 372.10	\$ 40,633	\$ 372.10	\$ 40,633	\$ -	0.00%
Translation Charge	26	\$ 62.42	\$ 1,623	62.42	\$ 1,623	\$ -	0.00%
Demand Charge	260,477						
Distribution		\$ 5.42	\$ 1,411,785	\$ 5.43	\$ 1,414,390	\$ 2,605	0.18%
Transmission		2.37	617,330	2.37	617,330	-	0.00%
Stranded Cost Recovery Charge		0.25	65,119	0.25	65,119	-	0.00%
Regulatory Reconciliation Adjustment		(0.01)	(3,894)	(0.01)	(3,894)	-	0.00%
Energy Charge On Peak	6,651,595						
Distribution		\$ 0.00554	\$ 36,850	\$ 0.00559	\$ 37,182	\$ 332	0.90%
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00393	26,141	0.00393	26,141	-	0.00%
System Benefits Charge		0.00743	49,421	0.00743	49,421	-	0.00%
Energy Service Charge		0.07291	484,968	0.07291	484,968	-	0.00%
Energy Charge Off Peak	8,704,697						
Distribution		\$ 0.00468	\$ 40,738	\$ 0.00473	\$ 41,173	\$ 435	1.07%
Transmission		-	-	-	-	-	0.00%
Stranded Cost Recovery Charge		0.00247	21,501	0.00247	21,501	-	0.00%
System Benefits Charge		0.00743	64,676	0.00743	64,676	-	0.00%
Energy Service Charge		0.07291	634,659	0.07291	634,659	-	0.00%
Distribution Impact Only		\$ 0.09974	\$ 1,531,629	\$ 0.09996	\$ 1,535,001	\$ 3,372	0.22%
Total Charge		\$ 0.22737	\$ 3,491,550	\$ 0.22759	\$ 3,494,922	\$ 3,372	0.10%
Rate LG - Backup Service > 115 KV							
Administrative Charge	80	\$ 372.10	\$ 29,915	\$ 372.10	\$ 29,915	\$ -	0.00%
Translation Charge	-	\$ 62.42	\$ -	62.42	\$ -	\$ -	0.00%
Demand Charge	913,528						
Transmission		2.37	\$ 2,165,061	2.37	\$ 2,165,061	-	0.00%
Stranded Cost Recovery Charge		0.25	228,382	0.25	228,382	-	0.00%
Regulatory Reconciliation Adjustment		(0.01)	(13,658)	(0.01)	(13,658)	-	0.00%
Energy Charge On Peak	21,134,611						
Transmission		-	\$ -	-	\$ -	-	0.00%
Stranded Cost Recovery Charge		0.00393	83,059	0.00393	83,059	-	0.00%
System Benefits Charge		0.00743	157,030	0.00743	157,030	-	0.00%
Energy Service Charge		0.07291	1,540,924	0.07291	1,540,924	-	0.00%
Energy Charge Off Peak	43,853,801						
Transmission		-	\$ -	-	\$ -	-	0.00%
Stranded Cost Recovery Charge		0.00247	108,319	0.00247	108,319	-	0.00%
System Benefits Charge		0.00743	325,834	0.00743	325,834	-	0.00%
Energy Service Charge		0.07291	3,197,381	0.07291	3,197,381	-	0.00%
Distribution Impact Only		\$ 0.00046	\$ 29,915	\$ 0.00046	\$ 29,915	\$ -	0.00%
Total Charge		\$ 0.12036	\$ 7,822,247	\$ 0.12036	\$ 7,822,247	\$ -	0.00%

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SUMMARY OF CURRENT AND PROPOSED DISTRIBUTION RATES

Energy Efficient Outdoor Lighting Service Rate EOL and EOL-2

			Current Rates (08/01/21)	Proposed Rates (02/01/22)	Percent Change
	Lumens	Watts			
High Pressure Sodium	4,000	50	\$ 6.34	\$ 6.36	0.26%
	5,800	70	6.65	6.67	0.26%
	9,500	100	7.07	7.09	0.26%
	16,000	150	7.73	7.75	0.26%
	30,000	250	8.95	8.98	0.26%
	50,000	400	10.66	10.69	0.26%
	130,000	1,000	17.33	17.38	0.26%
Metal Halide	5,000	70	6.67	6.69	0.26%
	8,000	100	7.01	7.03	0.26%
	13,000	150	7.74	7.76	0.26%
	13,500	175	7.91	7.93	0.26%
	20,000	250	8.78	8.80	0.26%
	36,000	400	10.49	10.52	0.26%
	100,000	1,000	17.15	17.20	0.26%
LED's and other technologies accepted by the Company					
Per fixture charge			\$ 3.23	\$ 3.24	0.26%
Per watt charge			\$ 0.01058	\$ 0.01060	0.26%
EOL-2 LED's and other technologies accepted by the Company					
Per fixture charge			\$ -	\$ 2.92	-
Per watt charge			\$ -	\$ 0.01060	-

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Comparison of Current vs Proposed Permanent Rates							
Rate OL - Outdoor Lighting	(A) Billing Determinants	(B) Current Rate	(C) = (A) x (B) Current Revenues	(D) Proposed Rate	(E) = (A) x (D) Proposed Revenues	(F) = (E) - (C) Proposed vs. Current Difference	(G) = (F) / (C) % Chg
Energy Charge All kWh	17,130,466						
Transmission		\$ 0.02082	\$ 356,656	\$ 0.02082	\$ 356,656	\$ -	0.00%
Stranded Cost Recovery Charge		0.00557	95,417	0.00557	95,417	-	0.00%
System Benefits Charge		0.00743	127,279	0.00743	127,279	-	0.00%
Regulatory Reconciliation Adjustment		(0.00051)	(8,737)	(0.00051)	(8,737)	-	0.00%
Energy Service Charge		0.08826	1,511,935	0.08826	1,511,935	-	0.00%
Total		\$ 0.12157	\$ 2,082,550	\$ 0.12157	\$ 2,082,550	\$ -	0.00%
Distribution Charge (per fixture)							
4000 LUMEN HP SODIUM	42,792	\$ 15.55	\$ 665,478	\$ 15.59	\$ 667,200	\$ 1,722	0.26%
5800 LUMEN HP SODIUM	7,260	15.55	112,904	15.59	113,196	292	0.26%
9500 LUMEN HP SODIUM	10,692	20.68	221,106	20.73	221,678	572	0.26%
16000 LUMEN HP SODIUM	9,936	29.25	290,590	29.32	291,342	752	0.26%
30000 LUMEN HP SODIUM	15,480	29.97	463,984	30.05	465,185	1,201	0.26%
50000 LUMEN HP SODIUM	22,860	30.31	692,822	30.39	694,614	1,792	0.26%
130000 LUMEN HP SODIUM	3,684	48.64	179,185	48.76	179,649	464	0.26%
5000 LUMEN METAL HALIDE	2,700	16.22	43,793	16.26	43,906	113	0.26%
8000 LUMEN METAL HALIDE	1,608	22.20	35,701	22.26	35,794	93	0.26%
13000 LUMEN METAL HALIDE	-	30.46	-	30.54	-	-	0.26%
13500 LUMEN METAL HALIDE	1,464	31.11	45,549	31.19	45,667	118	0.26%
20000 LUMEN METAL HALIDE	3,696	31.11	114,993	31.19	115,290	297	0.26%
36000 LUMEN METAL HALIDE	5,136	31.40	161,258	31.48	161,675	417	0.26%
100000 LUMEN METAL HALIDE	3,216	47.07	151,367	47.19	151,759	392	0.26%
600 LUMEN INCANDESCENT	1,068	8.96	9,569	8.98	9,594	25	0.26%
1000 LUMEN INCANDESCENT	2,844	10.00	28,442	10.03	28,516	74	0.26%
2500 LUMEN INCANDESCENT	48	12.83	616	12.86	617	1	0.16%
6000 LUMEN INCANDESCENT	-	22.05	-	22.10	-	-	0.26%
3500 LUMEN MERCURY	59,064	13.71	810,025	13.75	812,121	2,096	0.26%
7000 LUMEN MERCURY	11,472	16.50	189,338	16.55	189,828	490	0.26%
11000 LUMEN MERCURY	684	20.40	13,957	20.46	13,993	36	0.26%
15000 LUMEN MERCURY	36	23.34	840	23.40	842	2	0.24%
20000 LUMEN MERCURY	5,088	25.20	128,211	25.26	128,543	332	0.26%
56000 LUMEN MERCURY	1,632	40.05	65,366	40.16	65,535	169	0.26%
20000 LUMEN FLUORESCENT	24	34.18	820	34.27	822	2	0.24%
12000 LUMEN HP SODIUM	96	21.39	2,053	21.45	2,059	6	0.29%
34200 LUMEN HP SODIUM	60	27.38	1,643	27.45	1,647	4	0.24%
Average Number of Fixtures/Month	17,720						
Distribution Impact Only		\$ 0.25858	\$ 4,429,610	\$ 0.25925	\$ 4,441,072	\$ 11,462	0.26%
Total Charge		\$ 0.38015	\$ 6,512,160	\$ 0.38082	\$ 6,523,622	\$ 11,462	0.18%
Rate EOL - Efficient Outdoor Lighting							
Energy Charge All kWh	11,370,898						
Transmission		\$ 0.02058	\$ 234,013	\$ 0.02058	\$ 234,013	\$ -	0.00%
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	-	0.00%
Regulatory Reconciliation Adjustment		(0.00051)	(5,799)	(0.00051)	(5,799)	-	0.00%
Energy Service Charge		0.08826	1,003,595	0.08826	1,003,595	-	0.00%
Total			\$ 1,542,576		\$ 1,542,576	\$ -	0.00%
Distribution Charge (per fixture)							
4000 LUMEN HP SODIUM	45,216	\$ 6.34	\$ 286,781	\$ 6.36	\$ 287,523	\$ 742	0.26%
5800 LUMEN HP SODIUM	2,616	6.65	17,394	6.67	17,439	45	0.26%
9500 LUMEN HP SODIUM	4,272	7.07	30,213	7.09	30,291	78	0.26%
16000 LUMEN HP SODIUM	6,648	7.73	51,376	7.75	51,509	133	0.26%
30000 LUMEN HP SODIUM	20,784	8.95	186,120	8.98	186,602	482	0.26%
50000 LUMEN HP SODIUM	1,584	10.66	16,882	10.69	16,926	44	0.26%
130000 LUMEN HP SODIUM	684	17.33	11,855	17.38	11,886	31	0.26%
5000 LUMEN METAL HALIDE	9,984	6.67	66,597	6.69	66,769	172	0.26%
8000 LUMEN METAL HALIDE	1,152	7.01	8,074	7.03	8,095	21	0.26%
13000 LUMEN METAL HALIDE	-	7.74	-	7.76	-	-	0.26%
13500 LUMEN METAL HALIDE	1,056	7.91	8,351	7.93	8,372	21	0.25%
20000 LUMEN METAL HALIDE	840	8.78	7,371	8.80	7,390	19	0.26%
36000 LUMEN METAL HALIDE	528	10.49	5,538	10.52	5,552	14	0.25%
100000 LUMEN METAL HALIDE	1,236	17.15	21,200	17.20	21,255	55	0.26%
LEDs	388,872	3.23	1,257,701	3.24	1,260,956	3,255	0.26%
Average Number of Fixtures/Month	40,456						
	388,872						
Distribution Charge (per Watt)							
LEDs	15,894,084	\$ 0.01058	\$ 168,111	\$ 0.01060	\$ 168,546	\$ 435	0.26%
Distribution Impact Only		\$ 0.18851	\$ 2,143,564	\$ 0.18900	\$ 2,149,111	\$ 5,547	0.26%
Total Charge		\$ 0.32417	\$ 3,686,140	\$ 0.32466	\$ 3,691,687	\$ 5,547	0.15%

STREET LIGHTING DISTRIBUTION RATE DESIGN

Distribution Breakout by Component

	Rate EOL		Rate OL	
Total Fixtures	A	40,456	E	17,720
	Aa - Non-LED	8,050	Ea - Non-LED	17,720
	Ab - LED	32,406	Eb - LED	-
Connected Demand KW	B	2,619	F	3,947
Annual kWh	C	11,370,898	G	17,130,466
Proposed Distribution Revenue	D	\$ 2,149,112	H	\$ 4,441,073
Distribution by Category				
1) D - System Demand				
Revenue \$	I	\$ 332,442	K = J* F* 12* 1000	\$501,029
Charge Per Watt	J = I / B / 1000 / 12	0.01058	L = K / F	0.01058
2) D - System Customer				
Revenue \$	M = D - Q - I	\$1,441,103	O = N* E* 12* 1000	\$631,213
Charge Per Fixture	N = M / A	\$2.97	P = O / E	\$2.97
3) D - Operations & Maintenance				
Revenue \$	Q = R*Aa*12 + S*Ab*12	\$375,567	T = U*Ea*12 + V*Eb*12	\$589,433
Charge Per Fixture Non-LED	R	\$2.77	U = R	\$2.77
LED = 10% of Non-LED	S	\$0.28	V = S	\$0.28
4) D - Equipment				
Revenue \$			W = H- K- O- T	\$ 2,719,398
Total D		\$2,149,112		\$4,441,073

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

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Street Lighting Operations & Maintenance

Charge Per Fixture

Source

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

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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

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

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

Street Lighting EOL- Efficient Outdoor Lighting

Unbundled Rate Calculation

High Pressure Sodium		TY Fixtures				Connected Demand	kWh per Fixture		Annual kWh			Current Distribution			New Start	Distribution Bundled			Proposed Distribution Unbundled (A)								
	Watts	Lumens	All Night	Mid-night	Total		All Night	Mid-night	All Night	Mid-night	Total	Rate	Revenue	0.26%		Rate	Revenue	% Chg	Customer	2.97	Demand	0.01058	O&M	Monthly	Annual	Rate	Revenue
16	58	4,000	3,753	15	3,768	219	252	117	945,756	1,755	947,511	\$6.34	\$ 286,781	\$0.02	\$6.36	\$ 287,523	0.3%	2.97	134,222	\$ 0.61	\$2.77	\$6.35	\$ 287,298	0.2%			
17	87	5,800	218		218	19	376		81,968		81,968	6.65	17,394	\$0.02	\$6.67	17,439	0.3%	2.97	7,765	0.92	2.77	\$6.66	\$ 17,424	0.2%			
18	127	9,500	356		356	45	550		195,800		195,800	7.07	30,213	\$0.02	\$7.09	30,291	0.3%	2.97	12,681	1.34	2.77	\$7.08	\$ 30,262	0.2%			
19	189	16,000	554	-	554	105	821	379	454,834	-	454,834	7.73	51,376	\$0.02	\$7.75	51,509	0.3%	2.97	19,734	2.00	2.77	\$7.74	\$ 51,452	0.1%			
20	305	30,000	1,731	1	1,732	528	1326	614	2,295,306	614	2,295,920	8.95	186,120	\$0.02	\$8.98	186,602	0.3%	2.97	61,696	3.23	2.77	\$8.97	\$ 186,358	0.1%			
21	466	50,000	132		132	62	2026		267,432		267,432	10.66	16,882	\$0.03	\$10.69	16,926	0.3%	2.97	4,702	4.93	2.77	\$10.67	\$ 16,900	0.1%			
22	1097	130,000	57		57	63	4765		271,605		271,605	17.33	11,855	\$0.04	\$17.38	11,886	0.3%	2.97	2,030	11.60	2.77	\$17.34	\$ 11,863	0.1%			
23																											
24																											
25																											
26	Metal Halide																										
27	89	5,000	832		832	74	386		321,152		321,152	6.67	\$ 66,597	\$0.02	6.69	\$ 66,769	0.3%	2.97	29,637	0.94	2.77	\$6.68	\$ 66,711	0.2%			
28	121	8,000	96		96	12	527		50,592		50,592	7.01	8,074	\$0.02	7.03	8,095	0.3%	2.97	3,420	1.28	2.77	\$7.02	\$ 8,087	0.2%			
29	190	13,000	-		-	-	825		-		-	7.74	-	\$0.02	7.76	-		2.97	-	2.01	2.77	\$7.75	\$ -	0.1%			
30	206	13,500	88		88	18	896		78,848		78,848	7.91	8,351	\$0.02	7.93	8,372	0.3%	2.97	3,135	2.18	2.77	\$7.92	\$ 8,363	0.1%			
31	288	20,000	70		70	20	1251		87,570		87,570	8.78	7,371	\$0.02	8.80	7,390	0.3%	2.97	2,494	3.05	2.77	\$8.79	\$ 7,381	0.1%			
32	450	36,000	44		44	20	1956		86,064		86,064	10.49	5,538	\$0.03	10.52	5,552	0.3%	2.97	1,567	4.76	2.77	\$10.50	\$ 5,544	0.1%			
33	1080	100,000	103		103	111	4692		483,276		483,276	17.15	21,200	\$0.04	17.20	21,255	0.3%	2.97	3,669	11.42	2.77	\$17.16	\$ 21,214	0.1%			
34																											
35																											
36	Light Emitting Diodes (LED)																										
37																											
38	Various		32,367	39	32,406						-	\$3.23	\$ 1,257,701	\$0.01	3.24	\$ 1,260,956	0.3%	2.97	1,154,350		0.28	\$3.25	\$ 1,262,144	0.4%			
39																											
40	Demand		1,321,662	2,845	1,324,507	1,325	4345	2005	5,742,621	5,704	5,748,326	0.01058	168,111	\$0.00003	0.01060	168,546	0.3%						\$ 168,111	0.0%			
41	Total EOL		40,401	55	40,456	2,619			11,362,824	8,073	11,370,898		\$ 2,143,565		\$ 2,149,112			1,441,103					\$ 2,149,112	0.3%			
42	Note:	A - Distribution Component Source:																									
43		Customer - See ELM/JAU-3, page 22, line 39																									
44		Demand - See ELM/JAU-3, page 22, line 34																									
45		O&M - See ELM/JAU-3, page 22, line 44 & 45																									
46																											

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Street Lighting Rate OL - Outdoor Lighting

Unbundled Rate Calculation

High Pressure Sodium			TY Average Fixtures			Annual kWh per Fixture		Connected	Annual kWh			Current Dist Only		New Start	Distribution Bundled			Proposed Distribution Unbundled (A)							
14	Connected		All	Mid		All	Mid	Demand				Monthly	Annual				Cust	Demand	O&M	Equip	Monthly	Annual			
15	Watts	Lumens	Night	Night	Total	Night	Night	KW		All Night	Midnight	Total	Rate	Revenue	0.26%	Rate	Revenue	% Chg	2.97	0.01058	\$2.77	ment	Rate	Revenue	% Chg
16	58	4,000	3,566	-	3,566	252	117	207		898,632	-	898,632	\$ 15.55	\$ 665,478	\$0.04	\$15.59	\$ 667,200	0.3%	\$2.97	\$0.61	\$2.77	\$9.24	\$15.59	\$ 667,200	0.3%
17	87	5,800	605	-	605	376	174	53		227,480	-	227,480	15.55	112,904	0.04	\$15.59	113,196	0.3%	2.97	0.92	2.77	8.93	\$15.59	113,196	0.3%
18	127	9,500	889	2	891	550	255	113		488,950	510	489,460	20.68	221,106	0.05	\$20.73	221,678	0.3%	2.97	1.34	2.77	13.65	\$20.73	221,678	0.3%
19	189	16,000	825	3	828	821	379	156		677,325	1,137	678,462	29.25	290,590	0.08	\$29.32	291,342	0.3%	2.97	2.00	2.77	21.58	\$29.32	291,342	0.3%
20	305	30,000	1,289	1	1,290	1,326	614	393		1,709,214	614	1,709,828	29.97	463,984	0.08	\$30.05	465,185	0.3%	2.97	3.23	2.77	21.08	\$30.05	465,185	0.3%
21	466	50,000	1,902	3	1,905	2,026	937	888		3,853,452	2,811	3,856,263	30.31	692,822	0.08	\$30.39	694,614	0.3%	2.97	4.93	2.77	19.72	\$30.39	694,614	0.3%
22	1,097	130,000	306	1	307	4,765	2,199	337		1,458,090	2,199	1,460,289	48.64	179,185	0.13	\$48.76	179,649	0.3%	2.97	11.60	2.77	31.42	\$48.76	179,649	0.3%
23																									
24																									
25	Metal Halide																								
26	89	5,000	225	-	225	386	178	20		86,850	-	86,850	16.22	\$ 43,793	0.04	\$16.26	\$ 43,906	0.3%	\$2.97	\$0.94	\$2.77	\$9.58	\$16.26	\$ 43,906	0.3%
27	121	8,000	133	1	134	527	243	16		70,091	243	70,334	22.20	35,701	0.06	\$22.26	35,794	0.3%	2.97	1.28	2.77	15.24	\$22.26	35,794	0.3%
28	190	13,000	-	-	-	825	382	-		-	-	-	30.46	-	0.08	\$30.54	-	0.3%	2.97	2.01	2.77	22.79	\$30.54	-	0.3%
29	206	13,500	119	3	122	896	414	25		106,624	1,242	107,866	31.11	45,549	0.08	\$31.19	45,667	0.3%	2.97	2.18	2.77	23.27	\$31.19	45,667	0.3%
30	288	20,000	305	3	308	1,251	578	89		381,555	1,734	383,289	31.11	114,993	0.08	\$31.19	115,290	0.3%	2.97	3.05	2.77	22.41	\$31.19	115,290	0.3%
31	450	36,000	422	6	428	1,956	902	193		825,432	5,412	830,844	31.40	161,258	0.08	\$31.48	161,675	0.3%	2.97	4.76	2.77	20.98	\$31.48	161,675	0.3%
32	1,080	100,000	266	2	268	4,692	2,165	289		1,248,072	4,330	1,252,402	47.07	151,367	0.12	\$47.19	151,759	0.3%	2.97	11.42	2.77	30.03	\$47.19	151,759	0.3%
33																									
34																									
35	Light-Emitting Diode (LED)																								
36	28	2,500				122							10.26		\$0.03	\$10.29		0.3%	\$2.97	\$0.30	\$0.28	\$6.74	\$10.29		
37	36	4,100				156							10.24		\$0.03	\$10.27		0.3%	2.97	0.38	0.28	6.64	10.27		
38	51	4,800				222							10.41		\$0.03	\$10.44		0.3%	2.97	0.54	0.28	6.65	10.44		
39	92	8,500				400							11.44		\$0.03	\$11.47		0.3%	2.97	0.97	0.28	7.25	11.47		
40	142	13,300				617							12.64		\$0.03	\$12.67		0.3%	2.97	1.50	0.28	7.93	12.67		
41	220	24,500				956							15.85		\$0.04	\$15.89		0.3%	2.97	2.33	0.28	10.32	15.89		
42																									
43																									
44	Incandescent																								
45	105	600	89		89	456		9		40,584		40,584	8.96	\$ 9,569	0.02	\$8.98	\$ 9,594	0.3%	\$2.97	\$1.11	\$2.77	\$2.13	\$8.98	\$ 9,594	0.3%
46	105	1,000	237		237	456		25		108,072		108,072	10.00	28,442	0.03	\$10.03	28,516	0.3%	2.97	1.11	2.77	3.18	\$10.03	28,516	0.3%
47	205	2,500	4		4	890		1		3,560		3,560	12.83	616	0.03	\$12.86	617	0.3%	2.97	2.17	2.77	4.95	\$12.86	617	0.3%
48	448	6,000	-		-	1,947		-		-		-	22.05	-	0.06	\$22.10	-	0.3%	2.97	4.74	2.77	11.62	\$22.10	-	0.3%
49																									
50																									
51	Mercury																								
52	117	3,500	4,922		4,922	509		576		2,505,298		2,505,298	13.71	\$ 810,025	0.04	\$13.75	\$ 812,121	0.3%	\$2.97	\$1.24	\$2.77	\$6.77	\$13.75	\$ 812,121	0.3%
53	205	7,000	956		956	890		196		850,840		850,840	16.50	189,338	0.04	\$16.55	189,828	0.3%	2.97	2.17	2.77	8.64	\$16.55	189,828	0.3%
54	292	11,000	57		57	1,269		17		72,333		72,333	20.40	13,957	0.05	\$20.46	13,993	0.3%	2.97	3.09	2.77	11.63	\$20.46	13,993	0.3%
55	453	15,000	3		3	1,968		1		5,904		5,904	23.34	840	0.06	\$23.40	842	0.3%	2.97	4.79	2.77	12.87	\$23.40	842	0.3%
56	453	20,000	424		424	1,968		192		834,432		834,432	25.20	128,211	0.07	\$25.26	128,543	0.3%	2.97	4.79	2.77	14.73	\$25.26	128,543	0.3%
57	1,082	56,000	136		136	4,701		147		639,336		639,336	40.05	65,366	0.10	\$40.16	65,535	0.3%	2.97	11.44	2.77	22.97	\$40.16	65,535	0.3%
58																									
59	Fluorescent																								
60	330	20,000	2		2	1,433		1		2,866		2,866	34.18	\$ 820	0.09	\$34.27	\$ 822	0.3%	\$2.97	\$3.49	\$2.77	\$25.04	\$34.27	\$ 822	0.3%
61																									
62	HPS in Mercury Luminaires																								
63	180	12,000	8		8	784		1		6,272		6,272	21.39	\$ 2,053	0.06	\$21.45	\$ 2,059	0.3%	\$2.97	\$1.90	\$2.77	\$13.80	\$21.45	\$ 2,059	0.3%
64	413	34,200	5		5	1,794		2		8,970		8,970	27.38	1,643	0.07	\$27.45	1,647	0.3%	2.97	4.37	2.77	17.34	27.45	1,647	0.3%
65																									
66	Total OL		17,695	25	17,720			3,947	17,110,234	20,232	17,130,466	\$ 4,429,611			\$ 4,441,073		0.3%					\$ 4,441,073		0.3%	

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

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
Setup/Span	0.53	0.53	0.53	0.53	0.53	0.53
Travel	0.36	0.36	0.36	0.36	0.36	0.36
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
Rate	\$ 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						
Eng. & Sup.	\$ 77.19	\$ 77.19	\$ 77.19	\$ 77.19	\$ 77.19	\$ 77.19
Small Tool	\$ 5.43	\$ 5.43	\$ 5.43	\$ 5.43	\$ 5.43	\$ 5.43
AS&E	\$ 2.73	\$ 2.67	\$ 2.67	\$ 2.95	\$ 3.26	\$ 4.37
Total Other Cost	\$ 85.34	\$ 85.29	\$ 85.29	\$ 85.57	\$ 85.88	\$ 86.99
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%
Per Month Charge	\$ 6.69	\$ 6.58	\$ 6.58	\$ 7.18	\$ 7.84	\$ 10.20

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Typical Bills by Rate Schedule

Residential Service - Rate R

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 32.48	\$ 32.50	\$ 0.02	0.06%
200	51.15	\$ 51.19	0.04	0.07%
250	60.49	\$ 60.54	0.05	0.08%
300	69.83	\$ 69.88	0.06	0.08%
400	88.50	\$ 88.57	0.08	0.09%
500	107.17	\$ 107.27	0.09	0.09%
550	116.51	\$ 116.61	0.10	0.09%
650	135.18	\$ 135.30	0.12	0.09%
700	144.51	\$ 144.65	0.13	0.09%
750	153.85	\$ 153.99	0.14	0.09%
1,000	200.53	\$ 200.72	0.19	0.09%
1,500	293.89	\$ 294.18	0.29	0.10%
2,000	387.25	\$ 387.63	0.38	0.10%
2,500	480.61	\$ 481.09	0.47	0.10%
3,000	573.97	\$ 574.54	0.57	0.10%
5,000	947.41	\$ 948.36	0.95	0.10%
7,500	1414.21	\$ 1,415.64	1.42	0.10%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 13.81	\$ 13.81	\$ -
Distribution Charge per kWh	0.05177	0.05196	0.00019
Transmission Charge per kWh	0.03046	0.03046	-
Stranded Cost Recovery Charge	0.00896	0.00896	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00016)	(0.00016)	-
Energy Service Charge	0.08826	0.08826	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

Residential Service - Uncontrolled Water Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 20.08	\$ 20.09	\$ 0.01	0.05%
200	\$ 35.28	\$ 35.31	\$ 0.02	0.06%
300	\$ 50.49	\$ 50.52	\$ 0.03	0.07%
400	\$ 65.70	\$ 65.74	\$ 0.04	0.07%
500	\$ 80.91	\$ 80.96	\$ 0.05	0.07%
600	\$ 96.11	\$ 96.18	\$ 0.07	0.07%
700	\$ 111.32	\$ 111.40	\$ 0.08	0.07%
800	\$ 126.53	\$ 126.61	\$ 0.09	0.07%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02393	0.02404	0.00011
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00896	0.00896	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.08826	0.08826	-

Note: Immaterial differences due to rounding.

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Residential Service - Controlled Water Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 20.00	\$ 19.65	\$ (0.35)	-1.74%
200	33.62	34.43	0.82	2.43%
300	47.23	49.21	1.98	4.19%
400	60.85	63.99	3.14	5.16%
500	74.47	78.78	4.30	5.78%
600	88.09	93.56	5.47	6.21%
700	101.71	108.34	6.63	6.52%
800	115.32	123.12	7.79	6.76%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 6.38	\$ 4.87	\$ (1.51)
Distribution Charge per kWh	0.01241	0.02404	\$ 0.01163
Transmission Charge per kWh	0.02358	0.02358	\$ -
Stranded Cost Recovery Charge	0.00459	0.00459	\$ -
System Benefits Charge	0.00743	0.00743	\$ -
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	\$ -
Energy Service Charge	0.08826	0.08826	\$ -

Note: Immaterial differences due to rounding.

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Residential Service - Optional Time of Day

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
TOTAL ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 50.77	\$ 50.78	\$ 0.01	0.01%
200	69.46	69.47	0.01	0.02%
250	78.80	78.82	0.02	0.02%
300	88.14	88.17	0.02	0.02%
400	106.83	106.86	0.03	0.03%
500	125.52	125.56	0.03	0.03%
750	172.24	172.29	0.05	0.03%
1,000	218.96	219.03	0.07	0.03%
1,500	312.40	312.51	0.10	0.03%
2,000	405.84	405.98	0.14	0.03%
2,500	499.28	499.46	0.17	0.03%
3,000	592.73	592.93	0.21	0.04%
5,000	966.49	966.84	0.35	0.04%
7,500	1,433.69	1,434.21	0.52	0.04%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 32.08	\$ 32.08	\$ -
<u>Energy Charge On Peak kWh</u>			
Distribution Charge per kWh	\$ 0.15076	\$ 0.15095	\$ 0.00019
Transmission Charge per kWh	0.03046	0.03046	-
Stranded Cost Recovery Charge	0.00751	0.00751	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00016)	(0.00016)	-
Energy Service Charge	0.08826	0.08826	-
Total per On Peak kWh	0.28426	0.28445	0.00019
<u>Energy Charge Off Peak kWh</u>			
Distribution Charge per kWh	\$ 0.00818	\$ 0.00818	\$ -
Transmission Charge per kWh	0.01989	0.01989	-
Stranded Cost Recovery Charge	0.00751	0.00751	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00016)	(0.00016)	-
Energy Service Charge	0.08826	0.08826	-
Total per Off Peak kWh	0.13111	0.13111	-
% Sales On Peak	36%	36%	
% Sales Off Peak	64%	64%	

Note: Immaterial differences due to rounding.

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Residential Load Control Service - Radio Controlled

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 20.64	\$ 20.65	\$ 0.01	0.05%
200	34.29	34.31	0.02	0.06%
300	47.94	47.97	0.03	0.07%
400	61.59	61.63	0.04	0.07%
500	75.24	75.30	0.06	0.07%
600	88.89	88.96	0.07	0.07%
700	102.54	102.62	0.08	0.08%
800	116.19	116.28	0.09	0.08%
900	129.84	129.94	0.10	0.08%
1,000	143.49	143.60	0.11	0.08%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 6.99	\$ 6.99	\$ -
Distribution Charge per kWh	0.01273	0.01284	0.00011
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00459	0.00459	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.08826	0.08826	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

Residential Load Control Service - 8 Hour Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
TOTAL ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 19.64	\$ 19.65	\$ 0.01	0.06%
200	34.41	34.43	0.02	0.06%
300	49.18	49.21	0.03	0.07%
400	63.95	63.99	0.04	0.07%
500	78.72	78.78	0.06	0.07%
600	93.49	93.56	0.07	0.07%
700	108.26	108.34	0.08	0.07%
800	123.03	123.12	0.09	0.07%
900	137.80	137.90	0.10	0.07%
1,000	152.57	152.68	0.11	0.07%
1,200	182.11	182.24	0.13	0.07%
1,500	226.42	226.59	0.17	0.07%
1,800	270.73	270.93	0.20	0.07%
2,000	300.27	300.49	0.22	0.07%
2,500	374.12	374.40	0.27	0.07%
3,000	447.97	448.30	0.33	0.07%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02393	0.02404	\$ 0.00011
Transmission Charge per kWh	0.02358	0.02358	\$ -
Stranded Cost Recovery Charge	0.00459	0.00459	\$ -
System Benefits Charge	0.00743	0.00743	\$ -
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	\$ -
Energy Service Charge	0.08826	0.08826	\$ -

Note: Immaterial differences due to rounding.

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Residential Load Control Service - 8 Hour No Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
TOTAL ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 21.15	\$ 19.65	\$ (1.50)	-7.09%
200	35.92	34.43	(1.49)	-4.14%
300	50.69	49.21	(1.48)	-2.91%
400	65.46	63.99	(1.47)	-2.24%
500	80.23	78.78	(1.45)	-1.81%
600	95.00	93.56	(1.44)	-1.52%
700	109.77	108.34	(1.43)	-1.31%
800	124.54	123.12	(1.42)	-1.14%
900	139.31	137.90	(1.41)	-1.01%
1,000	154.08	152.68	(1.40)	-0.91%
1,200	183.62	182.24	(1.38)	-0.75%
1,500	227.93	226.59	(1.34)	-0.59%
1,800	272.24	270.93	(1.31)	-0.48%
2,000	301.78	300.49	(1.29)	-0.43%
2,500	375.63	374.40	(1.24)	-0.33%
3,000	449.48	448.30	(1.18)	-0.26%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 6.38	\$ 4.87	(1.51)
Distribution Charge per kWh	0.02393	0.02404	0.00011
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00459	0.00459	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.08826	0.08826	-

Note: Immaterial differences due to rounding.

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Residential Load Control Service - 10/11 Hour Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
TOTAL ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 19.64	\$ 19.65	\$ 0.01	0.06%
200	34.41	34.43	0.02	0.06%
300	49.18	49.21	0.03	0.07%
400	63.95	63.99	0.04	0.07%
500	78.72	78.78	0.06	0.07%
600	93.49	93.56	0.07	0.07%
700	108.26	108.34	0.08	0.07%
800	123.03	123.12	0.09	0.07%
900	137.80	137.90	0.10	0.07%
1,000	152.57	152.68	0.11	0.07%
1,200	182.11	182.24	0.13	0.07%
1,500	226.42	226.59	0.17	0.07%
1,800	270.73	270.93	0.20	0.07%
2,000	300.27	300.49	0.22	0.07%
2,500	374.12	374.40	0.27	0.07%
3,000	447.97	448.30	0.33	0.07%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	-
Distribution Charge per kWh	0.02393	0.02404	0.00011
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00459	0.00459	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.08826	0.08826	-

Note: Immaterial differences due to rounding.

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Residential Load Control Service - 10/11 Hour No Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
TOTAL ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 19.64	\$ 19.65	\$ 0.01	0.06%
200	34.41	34.43	0.02	0.06%
300	49.18	49.21	0.03	0.07%
400	63.95	63.99	0.04	0.07%
500	78.72	78.78	0.06	0.07%
600	93.49	93.56	0.07	0.07%
700	108.26	108.34	0.08	0.07%
800	123.03	123.12	0.09	0.07%
900	137.80	137.90	0.10	0.07%
1,000	152.57	152.68	0.11	0.07%
1,200	182.11	182.24	0.13	0.07%
1,500	226.42	226.59	0.17	0.07%
1,800	270.73	270.93	0.20	0.07%
2,000	300.27	300.49	0.22	0.07%
2,500	374.12	374.40	0.27	0.07%
3,000	447.97	448.30	0.33	0.07%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$4.87	\$4.87	-
Distribution Charge per kWh	\$0.02393	\$0.02404	0.00011
Transmission Charge per kWh	\$0.02358	\$0.02358	-
Stranded Cost Recovery Charge	\$0.00459	\$0.00459	-
System Benefits Charge	\$0.00743	\$0.00743	-
Regulatory Reconciliation Adjustment	-\$0.00009	-\$0.00009	-
Energy Service Charge	\$0.08826	\$0.08826	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service 1 Phase

(A)	(B)	(C)	(D)	(E) = (D) - (C)	(F) = (E) / (C)
USAGE		TOTAL MONTHLY BILL		BILL DIFFERENCE	
MONTHLY DEMAND (KW)	MONTHLY USE (KWH)	CURRENT	PROPOSED	AMOUNT	PERCENT
3	375	\$ 76.26	\$ 76.32	\$ 0.06	0.07%
3	1,000	164.81	164.96	0.15	0.09%
6	750	151.09	151.02	(0.08)	-0.05%
6	1,500	253.88	253.92	0.03	0.01%
12	1,500	377.18	376.08	(1.11)	-0.29%
30	6,000	1,316.38	1,312.53	(3.85)	-0.29%
40	10,000	2,027.92	2,022.77	(5.15)	-0.25%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 16.21	\$ 16.21	\$ -
<u>Demand Charge >5kWh</u>			
Distribution	\$ 11.69	\$ 11.69	\$ -
Transmission	7.77	7.86	\$ 0.09
Stranded Cost Recovery Charge	1.14	0.86	\$ (0.28)
Regulatory Reconciliation Adjustment	(0.05)	(0.05)	\$ -
Total	\$ 20.55	\$ 20.36	\$ (0.19)
<u>Energy Charge < 500kWh</u>			
Distribution Charge per kWh	\$ 0.02805	\$ 0.02820	\$ 0.00015
Transmission Charge per kWh	0.02840	0.02840	-
Stranded Cost Recovery Charge	0.00800	0.00800	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.08826	0.08826	-
Total	\$ 0.16014	\$ 0.16029	\$ 0.00015
<u>Energy Charge 501 - 1500 kWh</u>			
Distribution Charge per kWh	\$ 0.02268	\$ 0.02283	\$ 0.00015
Transmission Charge per kWh	0.01068	0.01068	-
Stranded Cost Recovery Charge	0.00800	0.00800	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.08826	0.08826	-
Total	\$ 0.13705	\$ 0.13720	\$ 0.00015
<u>Energy Charge >1500 kWh</u>			
Distribution Charge per kWh	\$ 0.01709	\$ 0.01724	\$ 0.00015
Transmission Charge per kWh	0.00573	0.00573	-
Stranded Cost Recovery Charge	0.00800	0.00800	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.08826	0.08826	-
Total	\$ 0.12651	\$ 0.12666	\$ 0.00015

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service 3 Phase

(A)	(B)	(C)	(D)	(E) = (D) - (C)	(F) = (E) / (C)
USAGE		TOTAL MONTHLY BILL		BILL DIFFERENCE	
MONTHLY DEMAND (KW)	MONTHLY USE (KWH)	CURRENT	PROPOSED	AMOUNT	PERCENT
3	375	\$ 92.44	\$ 92.50	\$ 0.06	0.06%
3	1,000	172.06	181.14	9.08	5.28%
6	750	162.62	167.20	4.58	2.81%
6	1,500	252.01	270.10	18.09	7.18%
12	1,500	374.17	392.26	18.09	4.83%
30	6,000	1,309.95	1,328.71	18.76	1.43%
40	10,000	2,019.59	2,038.95	19.36	0.96%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 32.39	\$ 32.39	\$ -
<u>Demand Charge >5kWh</u>			
Distribution	\$ 11.69	\$ 11.69	-
Transmission	7.86	7.86	-
Stranded Cost Recovery Charge	0.86	0.86	-
Regulatory Reconciliation Adjustment	(0.05)	(0.05)	-
Total	\$ 20.36	\$ 20.36	-
<u>Energy Charge < 500kWh</u>			
Distribution Charge per kWh	\$ 0.02805	\$ 0.02820	\$ 0.00015
Transmission Charge per kWh	0.02840	0.02840	-
Stranded Cost Recovery Charge	0.00800	0.00800	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.08826	0.08826	-
Total	\$ 0.16014	\$ 0.16029	\$ 0.00015
<u>Energy Charge 501 - 1500 kWh</u>			
Distribution Charge per kWh	\$ 0.02268	\$ 0.02283	\$ 0.00015
Transmission Charge per kWh	0.01056	0.01068	0.00012
Stranded Cost Recovery Charge	0.01225	0.00800	(0.00425)
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.06627	0.08826	0.02199
Total	\$ 0.11919	\$ 0.13720	\$ 0.01801
<u>Energy Charge >1500 kWh</u>			
Distribution Charge per kWh	\$ 0.01709	\$ 0.01724	\$ 0.00015
Transmission Charge per kWh	0.00573	0.00573	-
Stranded Cost Recovery Charge	0.00800	0.00800	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.08826	0.08826	-
Total	\$ 0.12651	\$ 0.12666	\$ 0.00015

Note: Immaterial differences due to rounding.

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General Service - Uncontrolled Water Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 20.22	\$ 20.23	\$ 0.01	0.05%
200	35.57	35.59	0.02	0.06%
300	50.92	50.96	0.03	0.06%
400	66.27	66.32	0.04	0.07%
500	81.63	81.68	0.05	0.07%
600	96.98	97.04	0.07	0.07%
700	112.33	112.40	0.08	0.07%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02393	0.02404	0.00011
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.01040	0.01040	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.08826	0.08826	-

Note: Immaterial differences due to rounding.

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General Service - Controlled Water Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 19.73	\$ 19.74	\$ 0.01	0.06%
200	34.59	34.61	0.02	0.06%
300	49.45	49.49	0.03	0.07%
400	64.31	64.36	0.04	0.07%
500	79.18	79.23	0.06	0.07%
600	94.04	94.10	0.07	0.07%
700	108.90	108.97	0.08	0.07%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02393	0.02404	0.00011
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00550	0.00550	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.08826	0.08826	-

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service Load Control Service - Radio Controlled

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 20.73	\$ 20.74	\$ 0.01	0.05%
200	34.47	34.49	0.02	0.06%
300	48.21	48.25	0.03	0.07%
400	61.95	62.00	0.04	0.07%
500	75.70	75.75	0.06	0.07%
600	89.44	89.50	0.07	0.07%
700	103.18	103.25	0.08	0.07%
800	116.92	117.01	0.09	0.08%
900	130.66	130.76	0.10	0.08%
1,000	144.40	144.51	0.11	0.08%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 6.99	\$ 6.99	\$ -
Distribution Charge per kWh	0.01273	0.01284	0.00011
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00550	0.00550	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.08826	0.08826	-

Note: Immaterial differences due to rounding.

Public Service Company of New Hampshire
d/b/a Eversource Energy
Docket No. DE 19-057
Attachment ELM/JAU-3
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Typical Bills by Rate Schedule

General Service Load Control Service - 8 Hour Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 20.73	\$ 19.74	\$ (0.99)	-4.77%
200	34.47	34.61	0.14	0.41%
300	48.21	49.49	1.27	2.64%
400	61.95	64.36	2.40	3.88%
500	75.70	79.23	3.54	4.67%
600	89.44	94.10	4.67	5.22%
700	103.18	108.97	5.80	5.62%
800	116.92	123.85	6.93	5.93%
900	130.66	138.72	8.06	6.17%
1,000	144.40	153.59	9.19	6.36%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 6.99	\$ 4.87	\$ (2.12)
Distribution Charge per kWh	0.01273	0.02404	0.01131
Transmission Charge per kWh	0.02358	0.02358	-
Energy Service Charge	0.00550	0.00550	-
Stranded Cost Recovery Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
System Benefits Charge	0.08826	0.08826	-

Note: Immaterial differences due to rounding.

Public Service Company of New Hampshire
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Typical Bills by Rate Schedule

General Service Load Control Service - 8 Hour No Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 19.73	\$ 19.74	\$ 0.01	0.06%
200	34.59	34.61	0.02	0.06%
300	49.45	49.49	0.03	0.07%
400	64.31	64.36	0.04	0.07%
500	79.18	79.23	0.06	0.07%
600	94.04	94.10	0.07	0.07%
700	108.90	108.97	0.08	0.07%
800	123.76	123.85	0.09	0.07%
900	138.62	138.72	0.10	0.07%
1,000	153.48	153.59	0.11	0.07%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02393	0.02404	0.00011
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00550	0.00550	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.08826	0.08826	-

Note: Immaterial differences due to rounding.

Public Service Company of New Hampshire
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Typical Bills by Rate Schedule

General Service Load Control Service - 10/11 Hour Switch

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 19.73	\$ 19.74	\$ 0.01	0.06%
200	34.59	34.61	0.02	0.06%
300	49.45	49.49	0.03	0.07%
400	64.31	64.36	0.04	0.07%
500	79.18	79.23	0.06	0.07%
600	94.04	94.10	0.07	0.07%
700	108.90	108.97	0.08	0.07%
800	123.76	123.85	0.09	0.07%
900	138.62	138.72	0.10	0.07%
1,000	153.48	153.59	0.11	0.07%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02393	0.02404	0.00011
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00550	0.00550	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.08826	0.08826	-

Note: Immaterial differences due to rounding.

Public Service Company of New Hampshire
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Typical Bills by Rate Schedule

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

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 19.73	\$ 19.74	\$ 0.01	0.06%
200	34.59	34.61	0.02	0.06%
300	49.45	49.49	0.03	0.07%
400	64.31	64.36	0.04	0.07%
500	79.18	79.23	0.06	0.07%
600	94.04	94.10	0.07	0.07%
700	108.90	108.97	0.08	0.07%
800	123.76	123.85	0.09	0.07%
900	138.62	138.72	0.10	0.07%
1,000	153.48	153.59	0.11	0.07%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 4.87	\$ 4.87	\$ -
Distribution Charge per kWh	0.02393	0.02404	0.00011
Transmission Charge per kWh	0.02358	0.02358	-
Stranded Cost Recovery Charge	0.00550	0.00550	-
System Benefits Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00009)	(0.00009)	-
Energy Service Charge	0.08826	0.08826	-

Note: Immaterial differences due to rounding.

Public Service Company of New Hampshire
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Typical Bills by Rate Schedule

General Service - Optional Time of Day
Single Phase

(A)	(B)	(C)	(D)	(E)	(F)	(G) = (F) - (E)	(H) = (G) / (E)
MONTHLY DEMAND (KW)	MONTHLY USE (kWh)	ON-PEAK USE (kWh)	OFF-PEAK USE (kWh)	TOTAL MONTHLY BILL		BILL DIFFERENCE	
				CURRENT	PROPOSED	AMOUNT	PERCENT
12	1,500	600	900	\$ 481.58	\$ 481.80	\$ 0.22	0.05%
12	1,500	900	600	495.08	495.30	0.22	0.05%
12	3,000	1,200	1,800	672.90	673.35	0.45	0.07%
12	3,000	1,800	1,200	699.89	700.34	0.45	0.06%
30	4,500	1,800	2,700	1,236.64	1,237.31	0.67	0.05%
30	4,500	2,700	1,800	1,277.13	1,277.80	0.67	0.05%
30	9,000	3,600	5,400	1,810.59	1,811.94	1.35	0.07%
30	9,000	5,400	3,600	1,891.58	1,892.93	1.35	0.07%
50	7,500	3,000	4,500	2,033.08	2,034.20	1.13	0.06%
50	7,500	4,500	3,000	2,100.56	2,101.69	1.13	0.05%
50	15,000	6,000	9,000	2,989.67	2,991.92	2.25	0.08%
50	15,000	9,000	6,000	3,124.64	3,126.89	2.25	0.07%
75	11,250	4,500	6,750	3,028.62	3,030.31	1.69	0.06%
75	11,250	6,750	4,500	3,129.85	3,131.54	1.69	0.05%
75	22,500	9,000	13,500	4,463.52	4,466.89	3.37	0.08%
75	22,500	13,500	9,000	4,665.97	4,669.35	3.38	0.07%

	Current Rate	Proposed Rate	Difference
Customer Charge - Single Phase	\$ 41.98	\$ 41.98	\$ -
<u>Demand Charges</u>			
Distribution	\$ 15.12	\$ 15.12	\$ -
Transmission	5.18	5.18	\$ -
Stranded Cost Recovery	0.44	0.44	\$ -
Regulatory Reconciliation Adjustment	(0.05)	(0.05)	\$ -
Total Demand Charge	20.69	20.69	-
<u>Energy Charge On Peak kWh</u>			
Distribution Charge per kWh	\$ 0.05335	\$ 0.05350	\$ 0.00015
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00550	0.00550	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.08826	0.08826	-
Total per On Peak kWh	0.15454	0.15469	0.00015
<u>Energy Charge Off Peak kWh</u>			
Distribution Charge per kWh	\$ 0.00836	\$ 0.00851	\$ 0.00015
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00550	0.00550	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.08826	0.08826	-
Total per Off Peak kWh	0.10955	0.10970	0.00015

Note: Immaterial differences due to rounding.

Public Service Company of New Hampshire
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Typical Bills by Rate Schedule

General Service - Optional Time of Day
Three Phase

(A)	(B)	(C)	(D)	(E)	(F)	(G) = (F) - (E)	(H) = (G) / (E)
MONTHLY DEMAND (KW)	MONTHLY USE (kWh)	ON-PEAK USE (kWh)	OFF-PEAK USE (kWh)	TOTAL MONTHLY BILL		BILL DIFFERENCE	
				CURRENT	PROPOSED	AMOUNT	PERCENT
12	1,500	600	900	\$ 472.96	\$ 473.18	\$ 0.23	0.05%
12	1,500	900	600	486.46	486.68	0.22	0.05%
12	3,000	1,200	1,800	637.64	638.09	0.45	0.07%
12	3,000	1,800	1,200	664.63	665.08	0.45	0.07%
30	4,500	1,800	2,700	1,174.74	1,175.41	0.67	0.06%
30	4,500	2,700	1,800	1,215.23	1,215.90	0.68	0.06%
30	9,000	3,600	5,400	1,668.77	1,670.12	1.35	0.08%
30	9,000	5,400	3,600	1,749.76	1,751.11	1.35	0.08%
50	7,500	3,000	4,500	1,917.90	1,919.02	1.12	0.06%
50	7,500	4,500	3,000	1,985.38	1,986.51	1.13	0.06%
50	15,000	6,000	9,000	2,741.29	2,743.54	2.25	0.08%
50	15,000	9,000	6,000	2,876.26	2,878.51	2.25	0.08%
75	11,250	4,500	6,750	2,846.84	2,848.53	1.69	0.06%
75	11,250	6,750	4,500	2,948.07	2,949.76	1.69	0.06%
75	22,500	9,000	13,500	4,081.94	4,085.31	3.37	0.08%
75	22,500	13,500	9,000	4,284.39	4,287.77	3.38	0.08%

	Current Rate	Proposed Rate	Difference
Customer Charge - Three Phase	\$ 60.00	\$ 60.00	\$ -
<u>Demand Charges</u>			
Distribution	\$ 15.12	\$ 15.12	\$ -
Transmission	5.18	5.18	-
Stranded Cost Recovery	0.44	0.44	-
Regulatory Reconciliation Adjustment	(0.05)	(0.05)	-
Total Demand Charge	20.69	20.69	-
<u>Energy Charge On Peak kWh</u>			
Distribution Charge per kWh	\$ 0.05335	\$ 0.05350	\$ 0.00015
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00532	0.00532	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.07068	0.07068	-
Total per On Peak kWh	0.13678	0.13693	0.00015
<u>Energy Charge Off Peak kWh</u>			
Distribution Charge per kWh	\$ 0.00836	\$ 0.00851	\$ 0.00015
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00532	0.00532	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.07068	0.07068	-
Total per Off Peak kWh	0.09179	0.09194	0.00015

Note: Immaterial differences due to rounding.

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Typical Bills by Rate Schedule

General Service - Space Heating

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY (kWh)	CURRENT	PROPOSED	AMOUNT	PERCENT
100	\$ 21.10	\$ 21.11	\$ 0.01	0.05%
200	38.95	38.98	0.02	0.06%
300	56.81	56.84	0.03	0.06%
400	74.67	74.71	0.04	0.06%
500	92.53	92.58	0.06	0.06%
600	110.38	110.45	0.07	0.06%
700	128.24	128.32	0.08	0.06%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 3.24	\$ 3.24	\$ -
Distribution Charge per kWh	0.04124	0.04135	0.00011
Transmission Charge per kWh	0.02840	0.02840	-
Energy Service Charge	0.01334	0.01334	-
Stranded Cost Recovery Charge	0.00743	0.00743	-
Regulatory Reconciliation Adjustment	(0.00010)	(0.00010)	-
System Benefits Charge	0.08826	0.08826	-

Note: Immaterial differences due to rounding.

Public Service Company of New Hampshire
d/b/a Eversource Energy
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Typical Bills by Rate Schedule

Rate GV

(A)	(B)	(C)	(D)	(E) = (D) - (C)	(F) = (E) / (C)
USAGE		TOTAL MONTHLY BILL		BILL DIFFERENCE	
MONTHLY DEMAND (KW)	MONTHLY USE (KWH)	CURRENT	PROPOSED	AMOUNT	PERCENT
75	15,000	\$ 2,975.94	\$ 2,976.99	\$ 1.05	0.04%
75	30,000	4,373.04	4,375.14	2.10	0.05%
150	30,000	5,727.67	5,729.77	2.10	0.04%
150	60,000	8,521.87	8,526.07	4.20	0.05%
300	60,000	11,218.13	11,222.33	4.20	0.04%
300	120,000	16,806.53	16,814.93	8.40	0.05%
500	100,000	18,538.75	18,545.75	7.00	0.04%
500	200,000	27,852.75	27,866.75	14.00	0.05%
1,000	200,000	36,840.29	36,854.29	14.00	0.04%
1,000	400,000	55,322.29	55,350.29	28.00	0.05%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 211.21	\$ 211.21	\$ -
Demand 1-100 kW			
Distribution	\$ 6.98	\$ 6.98	\$ -
Transmission	10.52	10.52	-
Stranded Cost Recovery Charge	0.76	0.76	-
Regulatory Reconciliation Adjustment	(0.02)	(0.02)	-
Total	\$ 18.24	\$ 18.24	\$ -
Demand > 100 kW			
Distribution	\$ 6.72	\$ 6.72	\$ -
Transmission	10.52	10.52	-
Stranded Cost Recovery Charge	0.76	0.76	-
Regulatory Reconciliation Adjustment	(0.02)	(0.02)	-
Total	\$ 17.98	\$ 17.98	\$ -
Energy Charge 1 - 200,000 kWh			
Distribution Charge per kWh	\$ 0.00656	\$ 0.00663	\$ 0.00007
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00624	0.00624	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.07291	0.07291	-
Total	\$ 0.09314	\$ 0.09321	\$ 0.00007
Energy Charge >200,000 kWh			
Distribution Charge per kWh	\$ 0.00583	\$ 0.00590	\$ 0.00007
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00624	0.00624	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.07291	0.07291	-
Total	\$ 0.09241	\$ 0.09248	\$ 0.00007

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule

Rate LG

(A)	(B)	(C)	(D)	(E)	(F)	(G) = (F) - (E)	(H) = (G) / (E)
MONTHLY DEMAND (KVA)	MONTHLY USE (KWH)	ON-PEAK USE (KWH)	OFF-PEAK USE (KWH)	TOTAL MONTHLY BILL		BILL DIFFERENCE	
				CURRENT	PROPOSED	AMOUNT	PERCENT
3,000	300,000	120,000	180,000	\$ 77,525.55	\$ 77,478.66	\$ (46.89)	-0.06%
3,000	600,000	240,000	360,000	104,050.95	104,019.06	(31.89)	-0.03%
3,000	900,000	360,000	540,000	130,576.35	130,559.46	(16.89)	-0.01%
3,000	1,200,000	480,000	720,000	157,101.75	157,099.86	(1.89)	0.00%
3,000	1,500,000	600,000	900,000	183,627.15	183,640.26	13.11	0.01%
3,000	1,800,000	720,000	1,080,000	210,152.55	210,180.66	28.11	0.01%
3,000	2,100,000	840,000	1,260,000	236,677.95	236,721.06	43.11	0.02%

	Current Rate	Proposed Rate	Difference
Customer Charge	\$ 660.15	\$ 660.15	\$ -
<u>Demand</u>			
Distribution	\$ 5.92	\$ 5.92	\$ -
Transmission	10.36	10.36	\$ -
Stranded Cost Recovery Charge	0.50	0.50	\$ -
Regulatory Reconciliation Adjustment	(0.02)	(0.02)	\$ -
Total	\$ 16.78	\$ 16.76	\$ (0.02)
<u>Energy Charge - On-Peak</u>			
Distribution Charge per kWh	\$ 0.00554	\$ 0.00559	\$ 0.00005
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00393	0.00393	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.07291	0.07291	-
Total	\$ 0.08981	\$ 0.08986	\$ 0.00005
<u>Energy Charge - Off-Peak</u>			
Distribution Charge per kWh	\$ 0.00468	\$ 0.00473	\$ 0.00005
Transmission Charge per kWh	-	-	-
Stranded Cost Recovery Charge	0.00247	0.00247	-
System Benefits Charge	0.00743	0.00743	-
Energy Service Charge	0.07291	0.07291	-
Total	\$ 0.08749	\$ 0.08754	\$ 0.00005

Note: Immaterial differences due to rounding.

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

1st Revised Page 4
Superseding Original Page 4

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Issued: December 15, 2021

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

Effective: February 1, 2022

Title: President, NH Electric Operations

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

2nd Revised Page 41
Superseding 1st Page 41
Rate R

RESIDENTIAL DELIVERY SERVICE RATE R

AVAILABILITY

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

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

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

CHARACTER OF SERVICE

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

RATE PER MONTH

Customer Charge\$13.81 per month

Energy Charges:

Per Kilowatt-Hour

Distribution Charge.....5.196¢

Regulatory Reconciliation Adjustment.....(0.016)¢

Transmission Charge3.046¢

Stranded Cost Recovery.....0.896¢

Issued: December 15, 2021

Issued by: /s/Douglas Foley
Douglas Foley

Effective: January 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.

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

3rd 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:

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

Energy Charges:

Distribution Charge..... 2.404 ¢ per kilowatt-hour
Regulatory Reconciliation Adjustment (0.009)¢ per kilowatt-hour
Transmission Charge..... 2.358¢ per kilowatt-hour
Stranded Cost Recovery 0.896¢ per kilowatt-hour

WATER HEATING - CONTROLLED

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

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

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

Energy Charges:

Distribution Charge..... 2.404¢ per kilowatt-hour
Regulatory Reconciliation Adjustment (0.009)¢ per kilowatt-hour
Transmission Charge..... 2.358¢ per kilowatt-hour
Stranded Cost Recovery 0.459¢ per kilowatt-hour

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

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DBA EVERSOURCE ENERGY

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Rate R-OTOD

SERVICE AGREEMENT

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

CHARACTER OF SERVICE

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

RATE PER MONTH

Customer Charge \$32.08 per month

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

On-Peak Hours (7:00 a.m. to 8:00 p.m.
weekdays excluding Holidays) 15.095¢

Off-Peak Hours (all other hours) 0.818¢

Regulatory Reconciliation Adjustment (0.016)¢

Transmission Charges:

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

Off-Peak Hours (all other hours) 1.989¢

Stranded Cost Recovery 0.751¢

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

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CAPACITY CHARGE

The Company's studies may show that, in order to more closely follow cost of service, it is necessary or desirable to utilize meters capable of measuring rate of taking of electric service in kilowatts. The Company may install such meters either for all Customers served under this rate or for only those Customers whose usage of electricity is uncharacteristic of this class. At any time, the Company may file a revision of the rate form and/or charges of this rate to provide for an appropriate capacity charge. After such revision of this rate, any Customer who is subject to higher billing under this rate will have the option of continuing to take service under this rate or to take service under any other rate of the Company's Tariff which may be available.

WATER HEATING - UNCONTROLLED

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

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

Energy Charges:

Distribution Charge..... 2.404¢ per kilowatt-hour
Regulatory Reconciliation Adj (0.009)¢ per kilowatt-hour
Transmission Charge..... 2.358¢ per kilowatt-hour
Stranded Cost Recovery 0.896¢ per kilowatt-hour

WATER HEATING - CONTROLLED

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

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

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

Energy Charges:

Distribution Charge..... 2.40¢ per kilowatt-hour

Regulatory Reconciliation Adj (0.009)¢ per kilowatt-hour

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

Stranded Cost Recovery 0.459¢ per kilowatt-hour

SERVICE CHARGE

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

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

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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 0.800¢

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¢ per kilowatt-hour
Regulatory Reconciliation Adj (0.009)¢ per kilowatt-hour
Transmission Charge 2.358¢ per kilowatt-hour
Stranded Cost Recovery 1.040¢ per kilowatt-hour

WATER HEATING - CONTROLLED

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

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Rate G

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

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

Meter Charge \$4.87 per month

Energy Charges:

Distribution Charge..... 2.404 ¢ per kilowatt-hour

Regulatory Reconciliation Adj..... (0.009)¢ per kilowatt-hour

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

Stranded Cost Recovery 0.550¢ per kilowatt-hour

SPACE HEATING SERVICE

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

Meter Charge \$3.24 per month

Energy Charges:

Distribution Charge..... 4.135¢ per kilowatt-hour

Regulatory Reconciliation Adj..... (0.010)¢ per kilowatt-hour

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

Stranded Cost Recovery 1.334¢ per kilowatt-hour

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

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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
Customer Charge	\$41.98 per month	\$60.00 per month
Customer's Load Charges:	<u>Per Kilowatt of Customer Load</u>	
Distribution Charge	\$15.12	
Regulatory Reconciliation Adjustment	\$ (0.05)	
Transmission Charge	\$ 5.18	
Stranded Cost Recovery	\$ 0.44	
Energy Charges:	<u>Per Kilowatt-Hour</u>	
Distribution Charges:		
On-Peak Hours (7:00 a.m. to 8:00 p.m. weekdays excluding Holidays)	5.350¢	
Off-Peak Hours (all other hours)	0.851¢	
Stranded Cost Recovery	0.550¢	

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Rate LCS

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

Radio-Controlled Option..... 1.284¢

8-Hour, 10-Hour or 11-Hour Option..... 2.404¢

Regulatory Reconciliation Adjustment:

Radio-Controlled Option or 8-Hour Option (0.009)¢

10-Hour or 11-Hour Option..... (0.009)¢

Transmission Charge..... 2.358¢

Stranded Cost Recovery (When service is taken
in conjunction with Rate R) 0.459 ¢

Stranded Cost Recovery (When service is taken
in conjunction with Rate G) 0.550 ¢

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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Rate GV

Per Kilowatt of Maximum Demand

Demand Charges:

Distribution Charges:

First 100 kilowatts	\$6.98
Excess Over 100 kilowatts.....	\$6.72
Regulatory Reconciliation Adjustment.....	\$(0.02)
Transmission Charge	\$10.52
Stranded Cost Recovery	\$0.76

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

First 200,000 kilowatt-hours	0.663¢
All additional kilowatt-hours	0.590¢
Stranded Cost Recovery	0.624¢

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66 Rate LG

LARGE GENERAL DELIVERY SERVICE RATE LG

AVAILABILITY

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

CHARACTER OF SERVICE

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

RATE PER MONTH

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

Demand Charges:

Per Kilovolt-Ampere of Maximum Demand

Distribution Charge.....\$5.92

Regulatory Reconciliation Adjustment.....\$(0.02)

Transmission Charge\$10.36

Stranded Cost Recovery.....\$0.50

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

On-Peak Hours..... 0.559¢

Off-Peak Hours..... 0.473¢

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Rate B

Demand Charges:

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

Transmission Charge.....	\$2.37 per KW or KVA, whichever is applicable, of Backup Contract Demand
Stranded Cost Recovery (For Customers whose Standard Rate is Rate GV)...	\$0.37 per KW or KVA, whichever is applicable, of Backup Contract Demand
Stranded Cost Recovery (For Customers whose Standard Rate is Rate LG)....	\$0.25 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 per KW or KVA, whichever is applicable, of Backup Contract Demand
Regulatory Reconciliation Adj.....	\$(0.01) per KW or KVA, whichever is applicable, of Backup Contract Demand

Energy Charges:

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

METERING

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

REFUSAL TO PROVIDE ACCESS

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

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Rate OL

All-Night Service Option:

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

For New and Existing Installations:

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
High Pressure Sodium:														
4,000	50	24	20	20	17	15	13	14	16	18	22	23	25	\$15.59
5,800	70	36	30	30	25	22	20	21	24	27	32	35	37	15.59
9,500	100	53	44	43	36	33	29	31	36	40	47	51	55	20.73
16,000	150	80	66	65	54	49	43	47	53	60	70	75	82	29.32
30,000	250	128	107	104	87	78	70	76	86	96	114	122	132	30.05
50,000	400	196	163	159	133	120	107	116	132	147	173	186	202	30.39
130,000	1,000	462	384	375	314	282	252	272	310	347	408	438	475	48.76
Metal Halide:														
5,000	70	37	31	30	25	23	20	22	25	28	33	35	38	\$16.26
8,000	100	51	42	41	35	31	28	30	34	38	45	48	53	22.26
13,000	150	80	66	65	54	49	44	47	54	60	71	76	82	30.54
13,500	175	87	72	71	59	53	47	51	58	65	77	82	89	31.19
20,000	250	121	101	98	82	74	66	71	81	91	107	115	125	31.19
36,000	400	190	158	154	129	116	104	112	127	142	167	180	195	31.48
100,000	1,000	455	378	369	309	278	248	268	306	341	402	431	468	47.19
Light Emitting Diode (LED):														
2,500	28	12	10	10	8	7	6	7	8	9	10	11	12	\$10.29
4,100	36	15	13	12	10	9	8	9	10	11	13	14	16	10.29
4,800	51	21	18	17	15	13	12	13	14	16	19	20	22	10.44
8,500	92	39	32	31	26	24	21	23	26	29	34	37	40	11.47
13,300	142	60	50	49	41	36	33	35	40	45	53	57	61	12.67
24,500	220	93	77	75	63	57	51	55	62	70	82	88	95	15.89

For Existing Installations Only:

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												Monthly Distribution Rate
<u>Light Output</u>	<u>Power Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	
<u>Lumens</u>	<u>Watts</u>													
Incandescent:														
600	105	44	37	36	30	27	24	26	30	33	39	42	45	\$8.98
1,000	105	44	37	36	30	27	24	26	30	33	39	42	45	10.03
2,500	205	86	72	70	59	53	47	51	58	65	76	82	89	12.86
6,000	448	189	157	153	128	115	103	111	127	142	167	179	194	22.10

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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
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<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
Mercury:														
3,500	100	49	41	40	34	30	27	29	33	37	44	47	51	\$13.75
7,000	175	86	72	70	59	53	47	51	58	65	76	82	89	16.55
11,000	250	123	102	100	84	75	67	72	83	92	109	117	126	20.46
15,000	400	191	159	155	130	116	104	112	128	143	168	181	196	23.40
20,000	400	191	159	155	130	116	104	112	128	143	168	181	196	25.26
56,000	1,000	455	379	370	309	278	249	268	306	342	402	432	468	40.16
Fluorescent:														
20,000	330	139	115	113	94	85	76	82	93	104	123	132	143	\$34.27
High Pressure Sodium in Existing Mercury Luminaires:														
12,000	150	76	63	62	52	46	42	45	51	57	67	72	78	21.45
34,200	360	174	145	141	118	106	95	102	117	130	154	165	179	27.45

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.

Midnight Service Option:

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

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
High Pressure Sodium:														
4,000	50	12	10	9	7	6	5	6	7	8	10	12	13	\$15.59
5,800	70	18	15	13	10	9	8	8	10	12	15	19	20	15.59
9,500	100	27	22	19	15	13	12	12	15	18	22	27	29	20.73
16,000	150	40	33	28	23	20	17	18	22	26	32	40	43	29.32
30,000	250	65	54	46	37	32	28	30	36	42	52	66	69	30.05
50,000	400	100	82	70	56	50	43	45	54	64	79	100	106	30.39
130,000	1,000	234	192	165	132	116	100	106	127	151	186	235	248	48.76
Metal Halide:														
5,000	70	19	16	13	11	9	8	9	10	12	15	19	20	\$16.26
8,000	100	26	21	18	15	13	11	12	14	17	21	26	27	22.26
13,000	150	41	33	29	23	20	17	18	22	26	32	41	43	30.54
13,500	175	44	36	31	25	22	19	20	24	28	35	44	47	31.19
20,000	250	61	50	43	35	31	26	28	33	40	49	62	65	31.19
36,000	400	96	79	67	54	48	41	44	52	62	76	96	102	31.48
100,000	1,000	230	189	162	130	114	98	105	125	149	184	231	244	47.19

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<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
Light Emitting Diode (LED):														
2,500	28	6	5	4	3	3	3	3	3	4	5	6	6	\$10.29
4,100	36	8	6	5	4	4	3	3	4	5	6	8	8	10.27
4,800	51	11	9	8	6	5	5	5	6	7	9	11	12	10.44
8,500	92	20	16	14	11	10	8	9	11	13	16	20	21	11.47
13,300	142	30	25	21	17	15	13	14	16	20	24	30	32	12.67
24,500	220	47	39	33	26	23	20	21	26	30	37	47	50	15.89

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 all-night service option to the midnight service option are responsible to pay to the Company the installed cost of any additional equipment required to provide service under the midnight service option. The installed cost includes the cost of the additional equipment, labor, vehicles and overheads. The Customer is responsible to pay such costs prior to the installation of the equipment. If such a request is made concurrent with the Company's existing schedule for lamp replacement and maintenance, the Customer is responsible to pay to the Company the cost of any additional equipment required, including overheads. The Customer is responsible to pay such costs prior to the installation of the equipment.

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

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

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

All-Night Service Option:

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

<u>Lamp</u>	<u>Nominal</u>	<u>Monthly KWH per Fixture</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
High Pressure Sodium:														
4,000	50	24	20	20	17	15	13	14	16	18	22	23	25	\$6.36
5,800	70	36	30	30	25	22	20	21	24	27	32	35	37	6.67
9,500	100	53	44	43	36	33	29	31	36	40	47	51	55	7.09
16,000	150	80	66	65	54	49	43	47	53	60	70	75	82	7.75
30,000	250	128	107	104	87	78	70	76	86	96	114	122	132	8.98
50,000	400	196	163	159	133	120	107	116	132	147	173	186	202	10.69
130,000	1,000	462	384	375	314	282	252	272	310	347	408	438	475	17.38
Metal Halide:														
5,000	70	37	31	30	25	23	20	22	25	28	33	35	38	\$6.69
8,000	100	51	42	41	35	31	28	30	34	38	45	48	53	7.03
13,000	150	80	66	65	54	49	44	47	54	60	71	76	82	7.74
13,500	175	87	72	71	59	53	47	51	58	65	77	82	89	7.93
20,000	250	121	101	98	82	74	66	71	81	91	107	115	125	8.80
36,000	400	190	158	154	129	116	104	112	127	142	167	180	195	10.52
100,000	1,000	455	378	369	309	278	248	268	306	341	402	431	468	17.20

LED's and other technologies accepted by the Company:

	Per Fixture	Per Watt
Monthly Distribution Rates	\$3.24	\$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											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
421	350	342	286	257	230	248	283	316	372	399	433

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Midnight Service Option:

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

<u>Lamp Nominal</u>		<u>Monthly KWH per Fixture</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
High Pressure Sodium:														
4,000	50	12	10	9	7	6	5	6	7	8	10	12	13	\$6.36
5,800	70	18	15	13	10	9	8	8	10	12	15	19	20	6.67
9,500	100	27	22	19	15	13	12	12	15	18	22	27	29	7.09
16,000	150	40	33	28	23	20	17	18	22	26	32	40	43	7.75
30,000	250	65	54	46	37	32	28	30	36	42	52	66	69	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 Halide:														
5,000	70	19	16	13	11	9	8	9	10	12	15	19	20	\$6.69
8,000	100	26	21	18	15	13	11	12	14	17	21	26	27	7.03
13,000	150	41	33	29	23	20	17	18	22	26	32	41	43	7.76
13,500	175	44	36	31	25	22	19	20	24	28	35	44	47	7.93
20,000	250	61	50	43	35	31	26	28	33	40	49	62	65	8.80
36,000	400	96	79	67	54	48	41	44	52	62	76	96	102	10.52
100,000	1,000	230	189	162	130	114	98	105	125	149	184	231	244	17.20

LED's and other technologies accepted by the Company:

	<u>Per</u>	<u>Per</u>
	<u>Fixture</u>	<u>Watt</u>
Monthly Distribution Rates	\$3.24	\$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

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

LEAP YEAR ADJUSTMENT TO ENERGY

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

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NHPUC NO. 10 - ELECTRICITY DELIVERY
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DBA EVERSOURCE ENERGY

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Rate EOL-2

ENERGY EFFICIENT OUTDOOR LIGHTING
DELIVERY SERVICE RATE EOL-2

AVAILABILITY

Subject to the Terms and Conditions of the Tariff of which it is a part, this unmetered rate is available to any federal, state, county, municipal or other governmental unit, or department or agency of the government who are converting from high pressure sodium, mercury vapor, or incandescent lighting to Light Emitting Diode ("LED") or that want new LED street light installations and that want to purchase and own the LED fixtures including the option to install advanced controls for alternative lighting schedules. Installations on limited access highways, tunnels, bridges and the access and egress ramps thereto are subject to the conditions of this tariff.

Customers choosing to convert from service under Outdoor Lighting Delivery Service Rate OL or Rate-EOL, if applicable to service under Rate EOL-2 must:

(a) contribute to the Company the remaining unexpired life of currently installed high pressure sodium and metal halide fixtures and brackets which the Customer wishes to remain in service on the date that service under this rate is initiated;

(b) contribute to the Company the cost of removal and remaining unexpired life of any street and area lighting fixtures and brackets as of the date that such fixtures are removed and replaced with energy efficient lighting technology in accordance with this Rate Schedule;

(c) furnish any fixtures utilizing LED and pay either the Company or a private line contractor, as described under the "Additional Requirements" section below, for the installation of these fixtures.

(d) provide, at least annually, a street light inventory including location of fixtures by pole number, wattage, Kelvin and lumens of all fixtures; The Customer will hold title to all fixtures.

The Customer will be responsible for all maintenance of lighting fixtures under this rate.

All poles, wires, brackets, transformers, and other equipment furnished by the Company shall be maintained by it and title to such shall in all cases remain vested in the Company.

Service under this rate is for all night, midnight service or an alternative schedule with the use of advanced controls. Service under this rate is for all night service where the luminaire operates for the entire nighttime period pursuant to the provision below. In addition, customers may, at their option, take advantage of midnight service in which the luminaire operates for a portion of the night pursuant to the provisions below. Customers may select the midnight service

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option at the time of lighting installation or at any time during service. Any request to select the midnight service option must be made in writing. Service under the alternative schedule with advanced controls is where the luminaire operates for an alternative schedule pursuant to the provision below.

LIMITATIONS ON AVAILABILITY

The availability of this rate to any Customer is contingent upon the availability to the Company of personnel and/or other resources necessary to perform the conversion of existing fixtures in accordance with the time schedule specified in the Service Agreement.

SERVICE AGREEMENT

The Customer shall sign a Service Agreement governing the contribution for the remaining unexpired life of the existing street lighting fixtures and brackets, the contribution for the installed cost of the new fixtures and brackets, and the conversion of existing fixtures.

SERVICE DURING THE CONVERSION PERIOD FROM RATE OL OR EOL TO RATE EOL-2

Service under this rate shall be implemented on a prorated basis, according to the number of fixtures which have been converted. Therefore, during the conversion period a portion of the Customer's street and area lighting requirements may be served under Outdoor Lighting Delivery Service Rate OL or Efficient Outdoor Lighting Rate EOL for those fixtures which have not yet been converted under this Rate.

Energy Charge:

Per Kilowatt-Hour

Transmission Charge2.082¢

Stranded Cost Recovery.....0.557¢

Regulatory Reconciliation Adjustment.....(0.051)¢

In addition to the energy charges above, Customers shall be assessed the monthly Distribution Rates shown below. The energy charge shall be applied to the monthly kilowatt-hours specified below for the applicable fixture and service option. For outdoor lighting charges which are billed in conjunction with service rendered under a metered Rate Schedule, the kilowatt-hours used for billing purposes shall be the amount specified for the calendar month in which the later meter read date occurred for service rendered under the metered Rate Schedule.

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DBA EVERSOURCE ENERGY
MONTHLY RATES

Original Page 86C
Rate EOL-2

All-Night Service Option:

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

LED's and other technologies accepted by the Company:

	Per Fixture	Per Watt
Monthly Distribution Rates	\$2.92	\$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>	<u>Nov</u>	<u>Dec</u>
421	350	342	286	257	230	248	283	316	372	399	433

Midnight Service Option:

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

LED's and other technologies accepted by the Company:

	Per Fixture	Per Watt
Monthly Distribution Rates	\$2.92	\$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>	<u>Nov</u>	<u>Dec</u>
213	175	150	120	106	91	97	116	138	170	214	226

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USE OF ADVANCED CONTROLS

Where lighting controls that meet the current ANSI C12.20 standard have been installed that allow for variation from the Company's outdoor lighting hours schedule under All-Night Schedule or Midnight Schedule, the Customer must provide verification of such installation to the Company and a schedule indicating the expected average operating wattage of all lights subject to the Customer's control and operation. The expected average operating wattage of all lights the Customer provides will be applied and billed for all lights under this tariff. Upon installation and at any time thereafter, the Customer must also provide the Company access, either directly or indirectly, to the data from the Customer's control system in order for the Company to verify the measured energy use of the lighting systems and modify the billed usage as appropriate on a prospective basis. The Customer shall provide a report annually which provides actual monthly operating usage of such lighting systems.

The schedule of average operating wattage ratings for all lights may be revised once per year at the request of the Customer. However, it is the Customer's responsibility to immediately notify the Company of any planned or unplanned changes to its scheduled usage to allow for billing adjustments as may be needed.

The charge for the monthly kilowatt-hours shall be determined on the basis of the average operating wattage of the light sources resulting from installed control adjustments established at the beginning of the billing period multiplied by the monthly hours of the outdoor lighting hours schedule. The wattage ratings shall allow for the billing of kilowatt-hours according to the schedule submitted by the Customer to the Company and reflect any adjustments from the lighting control system including, but not limited to, fixture trimming, dimming, brightening, variable dimming, and multiple hourly schedules.

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.

REMOVAL AND INSTALLATION

A customer may request removal only of their lights by the Company for which the customer will be billed \$90 per light to cover labor costs associated with removal. Alternatively, the customer may arrange for the private line contractor installing the new LED fixtures to remove and return to the Company the existing fixtures. Customers will be responsible to pay the remaining undepreciated value of the Company's fixtures to be removed prior to removal. The removal will be completed in a period as agreed upon between the Company and the customer. Under this option, the customer shall pay a private contractor for the installation of the new fixtures per the Additional Requirements below.

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Rate EOL-2

A customer may choose to have the Company both remove the old fixtures and install the new fixtures. For this service, the customer will be billed \$189 per old light fixture by the Company to remove the old fixture and install the new fixture to cover labor costs associated with removal and installation. Customers will be responsible to pay the remaining undepreciated value of the fixtures to be removed prior to removal and installation. The installation will be completed in a period as agreed upon between the Company and the customer.

REPLACEMENT AND MAINTENANCE

Any customer requesting replacement or maintenance of a light by the Company will be billed \$189 per light to cover labor costs associated with replacement and maintenance. Ongoing maintenance or replacement of fixtures owned by the customer, including photocell or advanced controls may be performed by the customer through a Company approved contractor as described below or by a customer employee that is a licensed electrician.

ADDITIONAL REQUIREMENTS

Fixtures must be provided by the Customer for installation on the Company's facilities. Fixtures shall be accepted by the Company in advance of installation and must be compatible with existing line voltage and brackets and must require no special tools or training to install and maintain. Customers who are replacing existing fixtures with LED fixtures are responsible for the cost of removal and installation. Customers may choose to have this work completed by the

Company or may opt to hire and pay a private line contractor to perform the work. Any private contractor shall have all the requisite training, certifications and insurance to safely perform the required installations, and shall be licensed by the State and accepted by the Company. Prior to commencement of work, the municipality must provide written certification of the qualifications to the Company. Contractors shall coordinate the installation work with the Company and submit a work plan subject to approval by the Company, including provisions for either returning removed fixtures to the Company or otherwise disposing of them as approved by the Company. The Customer shall bear all expenses related to the use of such labor, including any expenses arising from damage to the Company's electrical system caused by the contractor's actions.

Any cost incurred in connection with new installations, or with the replacement or removal of existing fixtures and/or brackets shall be borne by the Customer. Such costs shall include the installed cost of the new fixtures and/or brackets in the case of new installations and replacements, and the cost of removal of the existing fixtures and/or brackets, less any salvage value of such fixtures and/or brackets which are removed from service.

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In the case of new installations, extensions and replacements which make use of underground conductors for supply and distribution and/or of standards or poles employed exclusively for lighting purposes, the Company reserves the right to require the Customer to furnish, own, and maintain such underground supply and distribution facilities and/or the standards or poles.

For outdoor area lighting installations, the Customer shall provide without expense or cost to the Company, all permits, consents, or easements necessary for the erection, maintenance, and operation of the Company's facilities, including the right to cut and trim trees and bushes wherever necessary; and the Company shall not be required to move its facilities to another location on the Customer's premises unless the Customer shall bear the cost thereof. The Company reserves the right to restrict such installations under this Rate to areas which are easily accessible by service truck.

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Purington

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

Effective: January 1, 2021

Title: President, NH Electric Operations

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

~~23rd~~ Revised Page 41
Superseding ~~24nd~~ Page 41
Rate R

RESIDENTIAL DELIVERY SERVICE RATE R

AVAILABILITY

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

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

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

CHARACTER OF SERVICE

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

RATE PER MONTH

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

Energy Charges:

Per Kilowatt-Hour

Distribution Charge.....5.1~~9677~~¢

Regulatory Reconciliation Adjustment.....(0.016)¢

Transmission Charge3.046¢

Stranded Cost Recovery.....0.896¢

Issued: ~~December 15, August 13, 2021~~
Purington

Issued by: /s/ ~~Douglas Foley Joseph A.~~

Douglas Foley

Effective: ~~January, August 1, 2024~~

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

~~2nd~~-~~3rd~~ Revised Page 42
Superseding ~~1st~~-~~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:

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

Energy Charges:

Distribution Charge..... ~~2.404~~ ~~393~~¢ per kilowatt-hour
Regulatory Reconciliation Adjustment (0.009)¢ per kilowatt-hour
Transmission Charge..... 2.358¢ per kilowatt-hour
Stranded Cost Recovery 0.896¢ per kilowatt-hour

WATER HEATING - CONTROLLED

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

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

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

Energy Charges:

Distribution Charge..... ~~2.404~~ ~~393~~¢ per kilowatt-hour
Regulatory Reconciliation Adjustment (0.009)¢ per kilowatt-hour
Transmission Charge..... 2.358¢ per kilowatt-hour
Stranded Cost Recovery 0.459¢ per kilowatt-hour

Issued: ~~December 15~~ ~~August 13~~, 2021
W. Foley

Issued by: _____/s/ ~~Joseph A. Parington~~ Douglas

Joseph A. Parington Douglas

W. Foley

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Title: President, NH Electric Operations

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

~~2nd-3rd~~ Revised Page 45
Superseding ~~4th-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).....15.0~~9576~~¢

Off-Peak Hours (all other hours)0.818¢

Regulatory Reconciliation Adjustment.....(0.016)¢

Transmission Charges:

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

Off-Peak Hours (all other hours)1.989¢

Stranded Cost Recovery.....0.751¢

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

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Joseph A. PuringtonDouglas

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

3rd 2nd-Revised Page 46
Superseding 2nd 1st Page 46
Rate R-OTOD

CAPACITY CHARGE

The Company's studies may show that, in order to more closely follow cost of service, it is necessary or desirable to utilize meters capable of measuring rate of taking of electric service in kilowatts. The Company may install such meters either for all Customers served under this rate or for only those Customers whose usage of electricity is uncharacteristic of this class. At any time, the Company may file a revision of the rate form and/or charges of this rate to provide for an appropriate capacity charge. After such revision of this rate, any Customer who is subject to higher billing under this rate will have the option of continuing to take service under this rate or to take service under any other rate of the Company's Tariff which may be available.

WATER HEATING - UNCONTROLLED

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

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

Energy Charges:

Distribution Charge..... ~~2.393~~4.04¢ per kilowatt-hour
Regulatory Reconciliation Adj (0.009)¢ per kilowatt-hour
Transmission Charge..... 2.358¢ per kilowatt-hour
Stranded Cost Recovery 0.896¢ per kilowatt-hour

WATER HEATING - CONTROLLED

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

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

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W. Foley

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Title: President, NH Electric Operations

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

~~2nd~~-~~3rd~~ Revised Page 47
Superseding ~~2nd~~ Page 47
Rate R-OTOD

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

Energy Charges:

Distribution Charge..... 2.~~393~~404¢ per kilowatt-hour

Regulatory Reconciliation Adj (0.009)¢ per kilowatt-hour

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

Stranded Cost Recovery 0.459¢ per kilowatt-hour

SERVICE CHARGE

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

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

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W. Foley

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

Superseding ~~24th~~ ^{32nd} Revised Page 51
~~Revised~~ Page 51
Rate G

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

First 500 kilowatt-hours 2.8~~2005~~
Next 1,000 kilowatt-hours 2.2~~8368~~
All additional kilowatt-hours 1.7~~2499~~

Transmission Charge

First 500 kilowatt-hours 2.840¢
Next 1,000 kilowatt-hours 1.068¢
All additional kilowatt-hours 0.573¢

Stranded Cost Recovery 0.800¢

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.~~404393~~¢ per kilowatt-hour
Regulatory Reconciliation Adj (0.009)¢ per kilowatt-hour
Transmission Charge 2.358¢ per kilowatt-hour
Stranded Cost Recovery 1.040¢ per kilowatt-hour

WATER HEATING - CONTROLLED

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

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Purington

Issued by: /s/ Douglas W. Foley Joseph A.
Foley
~~Joseph A. Purington Douglas W.~~

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Title: President, NH Electric Operations

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

~~32nd~~ Revised Page 52
Superseding ~~24th~~ Page 52
Rate G

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

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

Meter Charge \$4.87 per month

Energy Charges:

Distribution Charge ~~2.404~~ ~~393~~¢ per kilowatt-hour

Regulatory Reconciliation Adj..... (0.009)¢ per kilowatt-hour

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

Stranded Cost Recovery 0.550¢ per kilowatt-hour

SPACE HEATING SERVICE

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

Meter Charge \$3.24 per month

Energy Charges:

Distribution Charge 4.1 ~~352~~¢ per kilowatt-hour

Regulatory Reconciliation Adj..... (0.010)¢ per kilowatt-hour

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

Stranded Cost Recovery 1.334¢ per kilowatt-hour

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

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~~Joseph A. Purington Douglas~~

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

~~32nd~~ Revised Page 55
Superseding ~~24nd~~ 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
Customer Charge	\$41.98 per month	\$60.00 per month

Customer's Load Charges:

Per Kilowatt of Customer Load

Distribution Charge.....	\$15.12
Regulatory Reconciliation Adjustment.....	\$ (0.05)
Transmission Charge	\$ 5.18
Stranded Cost Recovery	\$ 0.44

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

On-Peak Hours (7:00 a.m. to 8:00 p.m. weekdays excluding Holidays)	5.3 50 ³⁵ ¢
Off-Peak Hours (all other hours)	0.8 51 ³⁶ ¢

Stranded Cost Recovery	0.550¢
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Issued by: ~~/s/-Douglas W. FoleyJoseph A.~~

~~Purington~~

~~Douglas W. FoleyJoseph A.~~

~~Purington~~

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

32nd Revised Page 59
Superseding 24th Revised Page 59
Rate LCS

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

Radio-Controlled Option 1.28473¢

8-Hour, 10-Hour or 11-Hour Option 2.404393¢

Regulatory Reconciliation Adjustment:

Radio-Controlled Option or 8-Hour Option (0.009)¢

10-Hour or 11-Hour Option (0.009)¢

Transmission Charge 2.358¢

Stranded Cost Recovery (When service is taken
in conjunction with Rate R) 0.459 ¢

Stranded Cost Recovery (When service is taken
in conjunction with Rate G) 0.550 ¢

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

~~32nd~~ Revised Page 62
Superseding ~~24th~~ Page 62
Rate GV

Per Kilowatt of Maximum Demand

Demand Charges:

Distribution Charges:

First 100 kilowatts \$6.98
Excess Over 100 kilowatts..... \$6.72
Regulatory Reconciliation Adjustment..... \$(0.02)
Transmission Charge \$10.52
Stranded Cost Recovery \$0.76

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

First 200,000 kilowatt-hours 0.6~~356~~¢
All additional kilowatt-hours 0.5~~9083~~¢
Stranded Cost Recovery 0.624¢

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Foley
Foley

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

~~32nd~~ Revised Page 66
Superseding ~~Original~~ 1st Page 66
Rate LG

LARGE GENERAL DELIVERY SERVICE RATE LG

AVAILABILITY

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

CHARACTER OF SERVICE

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

RATE PER MONTH

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

Demand Charges:

Per Kilovolt-Ampere of Maximum Demand

Distribution Charge.....\$5.92

Regulatory Reconciliation Adjustment.....\$(0.02)

Transmission Charge\$10.36

Stranded Cost Recovery.....\$0.50

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

On-Peak Hours.....0.55~~94~~¢

Off-Peak Hours0.4~~73~~68¢

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

~~32nd~~ Revised Page 72
Superseding ~~24nd~~ Page 72
Rate B

Demand Charges:

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

Transmission Charge.....	\$2.37 per KW or KVA, whichever is applicable, of Backup Contract Demand
Stranded Cost Recovery (For Customers whose Standard Rate is Rate GV)...	\$0.37 per KW or KVA, whichever is applicable, of Backup Contract Demand
Stranded Cost Recovery (For Customers whose Standard Rate is Rate LG)....	\$0.25 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 2 per KW or KVA, whichever is applicable, of Backup Contract Demand
Regulatory Reconciliation Adj.....	\$(0.01) per KW or KVA, whichever is applicable, of Backup Contract Demand

Energy Charges:

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

METERING

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

REFUSAL TO PROVIDE ACCESS

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

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W. Foley

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W. Foley

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

21ndst

Revised Page 75

Superseding 1st Revised Original Page 75

Rate OL

All-Night Service Option:

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

For New and Existing Installations:

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
High Pressure Sodium:														
4,000	50	24	20	20	17	15	13	14	16	18	22	23	25	\$15.59 5
5,800	70	36	30	30	25	22	20	21	24	27	32	35	37	15.59 5
9,500	100	53	44	43	36	33	29	31	36	40	47	51	55	20.73 68
16,000	150	80	66	65	54	49	43	47	53	60	70	75	82	29.32 25
30,000	250	128	107	104	87	78	70	76	86	96	114	122	132	30.05 29.97
50,000	400	196	163	159	133	120	107	116	132	147	173	186	202	30.39 1
130,000	1,000	462	384	375	314	282	252	272	310	347	408	438	475	48.76 64
Metal Halide:														
5,000	70	37	31	30	25	23	20	22	25	28	33	35	38	\$16.26 2
8,000	100	51	42	41	35	31	28	30	34	38	45	48	53	22.26 0
13,000	150	80	66	65	54	49	44	47	54	60	71	76	82	30.54 46
13,500	175	87	72	71	59	53	47	51	58	65	77	82	89	31.19 1
20,000	250	121	101	98	82	74	66	71	81	91	107	115	125	31.19 1
36,000	400	190	158	154	129	116	104	112	127	142	167	180	195	31.48 0
100,000	1,000	455	378	369	309	278	248	268	306	341	402	431	468	47.19 07
Light Emitting Diode (LED):														
2,500	28	12	10	10	8	7	6	7	8	9	10	11	12	\$10.29 6
4,100	36	15	13	12	10	9	8	9	10	11	13	14	16	10.29 4
4,800	51	21	18	17	15	13	12	13	14	16	19	20	22	10.44 1
8,500	92	39	32	31	26	24	21	23	26	29	34	37	40	11.47 4
13,300	142	60	50	49	41	36	33	35	40	45	53	57	61	12.67 4
24,500	220	93	77	75	63	57	51	55	62	70	82	88	95	15.89 5

For Existing Installations Only:

<u>Lamp Nominal</u>		<u>Monthly KWH per Luminaire</u>												<u>Monthly</u>
<u>Light</u>	<u>Power</u>													<u>Distribution</u>
<u>Output</u>	<u>Rating</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Rate</u>
<u>Lumens</u>	<u>Watts</u>													
Incandescent:														
600	105	44	37	36	30	27	24	26	30	33	39	42	45	\$8.98 6
1,000	105	44	37	36	30	27	24	26	30	33	39	42	45	10.03 0
2,500	205	86	72	70	59	53	47	51	58	65	76	82	89	12.86 3
6,000	448	189	157	153	128	115	103	111	127	142	167	179	194	22.10 05

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Foley

Issued by: /s/ Joseph A. PuringtonDouglas W.

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Title: President, NH Electric Operations

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DBA EVERSOURCE ENERGY Rate OL

Lamp	Nominal	Monthly KWH per Luminaire												Monthly
Light	Power													Distribution
Output	Rating													
Lumens	Watts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate
Mercury:														
3,500	100	49	41	40	34	30	27	29	33	37	44	47	51	\$13.751
7,000	175	86	72	70	59	53	47	51	58	65	76	82	89	16.550
11,000	250	123	102	100	84	75	67	72	83	92	109	117	126	20.460
15,000	400	191	159	155	130	116	104	112	128	143	168	181	196	23.4034
20,000	400	191	159	155	130	116	104	112	128	143	168	181	196	25.260
56,000	1,000	455	379	370	309	278	249	268	306	342	402	432	468	40.1605
Fluorescent:														
20,000	330	139	115	113	94	85	76	82	93	104	123	132	143	\$34.2718
High Pressure Sodium in Existing Mercury Luminaires:														
12,000	150	76	63	62	52	46	42	45	51	57	67	72	78	21.4539
34,200	360	174	145	141	118	106	95	102	117	130	154	165	179	27.4538

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

Midnight Service Option:

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

Lamp	Nominal	Monthly KWH per Luminaire												Monthly	
Light	Power													Distribution	
Output	Rating	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate	
Lumens	Watts	High Pressure Sodium:													
4,000	50	12	10	9	7	6	5	6	7	8	10	12	13	\$15.595	
5,800	70	18	15	13	10	9	8	8	10	12	15	19	20	15.595	
9,500	100	27	22	19	15	13	12	12	15	18	22	27	29	20.7368	
16,000	150	40	33	28	23	20	17	18	22	26	32	40	43	29.3225	
30,000	250	65	54	46	37	32	28	30	36	42	52	66	69	30.0529.97	
50,000	400	100	82	70	56	50	43	45	54	64	79	100	106	30.391	
130,000	1,000	234	192	165	132	116	100	106	127	151	186	235	248	48.7664	
Metal Halide:															
5,000	70	19	16	13	11	9	8	9	10	12	15	19	20	\$16.262	
8,000	100	26	21	18	15	13	11	12	14	17	21	26	27	22.260	
13,000	150	41	33	29	23	20	17	18	22	26	32	41	43	30.5446	
13,500	175	44	36	31	25	22	19	20	24	28	35	44	47	31.191	
20,000	250	61	50	43	35	31	26	28	33	40	49	62	65	31.191	
36,000	400	96	79	67	54	48	41	44	52	62	76	96	102	31.480	
100,000	1,000	230	189	162	130	114	98	105	125	149	184	231	244	47.1907	

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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE Superseding ~~Original~~ ^{21st} Revised Page 77
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DBA EVERSOURCE ENERGY Rate OL

Lamp Nominal		Monthly KWH per Luminaire												Monthly
Light	Power													Distribution
Output	Rating													
Lumens	Watts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate
Light Emitting Diode (LED):														
2,500	28	6	5	4	3	3	3	3	3	4	5	6	6	\$10.29 6
4,100	36	8	6	5	4	4	3	3	4	5	6	8	8	10.27 4
4,800	51	11	9	8	6	5	5	5	6	7	9	11	12	10.44 1
8,500	92	20	16	14	11	10	8	9	11	13	16	20	21	11.47 4
13,300	142	30	25	21	17	15	13	14	16	20	24	30	32	12.67 4
24,500	220	47	39	33	26	23	20	21	26	30	37	47	50	15.89 5

MODIFICATION OF SERVICE OPTION

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

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

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

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NHPUC NO. -10 - ELECTRICITY DELIVERY
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which are billed in conjunction with service rendered under a metered Rate Schedule, the kilowatt-hours used for billing purposes shall be the amount specified for the calendar month in which the later meter read date occurred for service rendered under the metered Rate Schedule.

All-Night Service Option:

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

Lamp	Nominal	Monthly KWH per Fixture												Monthly
Light	Power													Distribution
Output	Rating	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate
Lumens	Watts													
High Pressure Sodium:														
4,000	50	24	20	20	17	15	13	14	16	18	22	23	25	\$6.3 64
5,800	70	36	30	30	25	22	20	21	24	27	32	35	37	6.6 75
9,500	100	53	44	43	36	33	29	31	36	40	47	51	55	7.0 97
16,000	150	80	66	65	54	49	43	47	53	60	70	75	82	7.7 53
30,000	250	128	107	104	87	78	70	76	86	96	114	122	132	8.9 85
50,000	400	196	163	159	133	120	107	116	132	147	173	186	202	10.6 96
130,000	1,000	462	384	375	314	282	252	272	310	347	408	438	475	17.3 83
Metal Halide:														
5,000	70	37	31	30	25	23	20	22	25	28	33	35	38	\$6.6 97
8,000	100	51	42	41	35	31	28	30	34	38	45	48	53	7.0 34
13,000	150	80	66	65	54	49	44	47	54	60	71	76	82	7.74
13,500	175	87	72	71	59	53	47	51	58	65	77	82	89	7.9 34
20,000	250	121	101	98	82	74	66	71	81	91	107	115	125	8.8 078
36,000	400	190	158	154	129	116	104	112	127	142	167	180	195	10.5 249
100,000	1,000	455	378	369	309	278	248	268	306	341	402	431	468	17.2 045

LED's and other technologies accepted by the Company:

	Per Fixture	Per Watt
Monthly Distribution Rates	\$3.2 43	\$0.010 6058

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

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

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

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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE Superseding ~~Original~~ ^{21ndst} Revised Page 83
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Midnight Service Option:

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

Lamp	Nominal	Monthly KWH per Fixture												Monthly
Light	Power													Distribution
Output	Rating													
Lumens	Watts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate
High Pressure Sodium:														
4,000	50	12	10	9	7	6	5	6	7	8	10	12	13	\$6.3 64
5,800	70	18	15	13	10	9	8	8	10	12	15	19	20	6.6 75
9,500	100	27	22	19	15	13	12	12	15	18	22	27	29	7.0 97
16,000	150	40	33	28	23	20	17	18	22	26	32	40	43	7.7 53
30,000	250	65	54	46	37	32	28	30	36	42	52	66	69	8.9 85
50,000	400	100	82	70	56	50	43	45	54	64	79	100	106	10.6 96
130,000	1,000	234	192	165	132	116	100	106	127	151	186	235	248	17.3 83
Metal Halide:														
5,000	70	19	16	13	11	9	8	9	10	12	15	19	20	\$6.6 97
8,000	100	26	21	18	15	13	11	12	14	17	21	26	27	7.0 31
13,000	150	41	33	29	23	20	17	18	22	26	32	41	43	7.7 64
13,500	175	44	36	31	25	22	19	20	24	28	35	44	47	7.9 31
20,000	250	61	50	43	35	31	26	28	33	40	49	62	65	8.8 078
36,000	400	96	79	67	54	48	41	44	52	62	76	96	102	10.5 249
100,000	1,000	230	189	162	130	114	98	105	125	149	184	231	244	17.2 015

LED's and other technologies accepted by the Company:

	Per Fixture	Per Watt
Monthly Distribution Rates	\$3.2 43	\$0.010 6058

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

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

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

LEAP YEAR ADJUSTMENT TO ENERGY

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

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Joseph A. Purington Douglas W. Foley

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

Original Page 86A
Rate EOL-2

ENERGY EFFICIENT OUTDOOR LIGHTING
DELIVERY SERVICE RATE EOL-2

AVAILABILITY

Subject to the Terms and Conditions of the Tariff of which it is a part, this unmetered rate is available to any federal, state, county, municipal or other governmental unit, or department or agency of the government who are converting from high pressure sodium, mercury vapor, or incandescent lighting to Light Emitting Diode ("LED") or that want new LED street light installations and that want to purchase and own the LED fixtures including the option to install advanced controls for alternative lighting schedules. Installations on limited access highways, tunnels, bridges and the access and egress ramps thereto are subject to the conditions of this tariff.

Customers choosing to convert from service under Outdoor Lighting Delivery Service Rate OL or Rate-EOL, if applicable to service under Rate EOL-2 must:

(a) contribute to the Company the remaining unexpired life of currently installed high pressure sodium and metal halide fixtures and brackets which the Customer wishes to remain in service on the date that service under this rate is initiated;

(b) contribute to the Company the cost of removal and remaining unexpired life of any street and area lighting fixtures and brackets as of the date that such fixtures are removed and replaced with energy efficient lighting technology in accordance with this Rate Schedule;

(c) furnish any fixtures utilizing LED and pay either the Company or a private line contractor, as described under the "Additional Requirements" section below, for the installation of these fixtures.

(d) provide, at least annually, a street light inventory including location of fixtures by pole number, wattage, Kelvin and lumens of all fixtures; The Customer will hold title to all fixtures.

The Customer will be responsible for all maintenance of lighting fixtures under this rate.

All poles, wires, brackets, transformers, and other equipment furnished by the Company shall be maintained by it and title to such shall in all cases remain vested in the Company.

Service under this rate is for all night, midnight service or an alternative schedule with the use of advanced controls. Service under this rate is for all night service where the luminaire operates for the entire nighttime period pursuant to the provision below. In addition, customers may, at their option, take advantage of midnight service in which the luminaire operates for a portion of the night pursuant to the provisions below. Customers may select the midnight service

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Rate EOL-2

option at the time of lighting installation or at any time during service. Any request to select the midnight service option must be made in writing. Service under the alternative schedule with advanced controls is where the luminaire operates for an alternative schedule pursuant to the provision below.

LIMITATIONS ON AVAILABILITY

The availability of this rate to any Customer is contingent upon the availability to the Company of personnel and/or other resources necessary to perform the conversion of existing fixtures in accordance with the time schedule specified in the Service Agreement.

SERVICE AGREEMENT

The Customer shall sign a Service Agreement governing the contribution for the remaining unexpired life of the existing street lighting fixtures and brackets, the contribution for the installed cost of the new fixtures and brackets, and the conversion of existing fixtures.

SERVICE DURING THE CONVERSION PERIOD FROM RATE OL OR EOL TO RATE EOL-2

Service under this rate shall be implemented on a prorated basis, according to the number of fixtures which have been converted. Therefore, during the conversion period a portion of the Customer's street and area lighting requirements may be served under Outdoor Lighting Delivery Service Rate OL or Efficient Outdoor Lighting Rate EOL for those fixtures which have not yet been converted under this Rate.

Energy Charge:

Per Kilowatt-Hour

Transmission Charge2.085¢

Stranded Cost Recovery0.557¢

Regulatory Reconciliation Adjustment.....(0.051)¢

In addition to the energy charges above, Customers shall be assessed the monthly Distribution Rates shown below. The energy charge shall be applied to the monthly kilowatt-hours specified below for the applicable fixture and service option. For outdoor lighting charges which are billed in conjunction with service rendered under a metered Rate Schedule, the kilowatt-hours used for billing purposes shall be the amount specified for the calendar month in which the later meter read date occurred for service rendered under the metered Rate Schedule.

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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE Rate EOL-2
DBA EVERSOURCE ENERGY
MONTHLY RATES

All-Night Service Option:

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

LED's and other technologies accepted by the Company:

	Per <u>Fixture</u>	Per <u>Watt</u>
Monthly Distribution Rates	\$2.92	\$0.010 60 <u>58</u>

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>	<u>Nov</u>	<u>Dec</u>
421	350	342	286	257	230	248	283	316	372	399	433

Midnight Service Option:

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

LED's and other technologies accepted by the Company:

	Per <u>Fixture</u>	Per <u>Watt</u>
Monthly Distribution Rates	\$2.92	\$0.010 60 <u>58</u>

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>	<u>Nov</u>	<u>Dec</u>
213	175	150	120	106	91	97	116	138	170	214	226

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USE OF ADVANCED CONTROLS

Where lighting controls that meet the current ANSI C12.20 standard have been installed that allow for variation from the Company's outdoor lighting hours schedule under All-Night Schedule or Midnight Schedule, the Customer must provide verification of such installation to the Company and a schedule indicating the expected average operating wattage of all lights subject to the Customer's control and operation. The expected average operating wattage of all lights the Customer provides will be applied and billed for all lights under this tariff. Upon installation and at any time thereafter, the Customer must also provide the Company access, either directly or indirectly, to the data from the Customer's control system in order for the Company to verify the measured energy use of the lighting systems and modify the billed usage as appropriate on a prospective basis. The Customer shall provide a report annually which provides actual monthly operating usage of such lighting systems.

The schedule of average operating wattage ratings for all lights may be revised once per year at the request of the Customer. However, it is the Customer's responsibility to immediately notify the Company of any planned or unplanned changes to its scheduled usage to allow for billing adjustments as may be needed.

The charge for the monthly kilowatt-hours shall be determined on the basis of the average operating wattage of the light sources resulting from installed control adjustments established at the beginning of the billing period multiplied by the monthly hours of the outdoor lighting hours schedule. The wattage ratings shall allow for the billing of kilowatt-hours according to the schedule submitted by the Customer to the Company and reflect any adjustments from the lighting control system including, but not limited to, fixture trimming, dimming, brightening, variable dimming, and multiple hourly schedules.

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.

REMOVAL AND INSTALLATION

A customer may request removal only of their lights by the Company for which the customer will be billed \$90 per light to cover labor costs associated with removal. Alternatively, the customer may arrange for the private line contractor installing the new LED fixtures to remove and return to the Company the existing fixtures. Customers will be responsible to pay the remaining undepreciated value of the Company's fixtures to be removed prior to removal. The removal will be completed in a period as agreed upon between the Company and the customer. Under this option, the customer shall pay a private contractor for the installation of the new fixtures per the Additional Requirements below.

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A customer may choose to have the Company both remove the old fixtures and install the new fixtures. For this service, the customer will be billed \$189 per old light fixture by the Company to remove the old fixture and install the new fixture to cover labor costs associated with removal and installation. Customers will be responsible to pay the remaining undepreciated value of the fixtures to be removed prior to removal and installation. The installation will be completed in a period as agreed upon between the Company and the customer.

REPLACEMENT AND MAINTENANCE

Any customer requesting replacement or maintenance of a light by the Company will be billed \$189 per light to cover labor costs associated with replacement and maintenance. Ongoing maintenance or replacement of fixtures owned by the customer, including photocell or advanced controls may be performed by the customer through a Company approved contractor as described below or by a customer employee that is a licensed electrician.

ADDITIONAL REQUIREMENTS

Fixtures must be provided by the Customer for installation on the Company's facilities. Fixtures shall be accepted by the Company in advance of installation and must be compatible with existing line voltage and brackets and must require no special tools or training to install and maintain. Customers who are replacing existing fixtures with LED fixtures are responsible for the cost of removal and installation. Customers may choose to have this work completed by the

Company or may opt to hire and pay a private line contractor to perform the work. Any private contractor shall have all the requisite training, certifications and insurance to safely perform the required installations, and shall be licensed by the State and accepted by the Company. Prior to commencement of work, the municipality must provide written certification of the qualifications to the Company. Contractors shall coordinate the installation work with the Company and submit a work plan subject to approval by the Company, including provisions for either returning removed fixtures to the Company or otherwise disposing of them as approved by the Company. The Customer shall bear all expenses related to the use of such labor, including any expenses arising from damage to the Company's electrical system caused by the contractor's actions.

Any cost incurred in connection with new installations, or with the replacement or removal of existing fixtures and/or brackets shall be borne by the Customer. Such costs shall include the installed cost of the new fixtures and/or brackets in the case of new installations and replacements, and the cost of removal of the existing fixtures and/or brackets, less any salvage value of such fixtures and/or brackets which are removed from service.

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In the case of new installations, extensions and replacements which make use of underground conductors for supply and distribution and/or of standards or poles employed exclusively for lighting purposes, the Company reserves the right to require the Customer to furnish, own, and maintain such underground supply and distribution facilities and/or the standards or poles.

For outdoor area lighting installations, the Customer shall provide without expense or cost to the Company, all permits, consents, or easements necessary for the erection, maintenance, and operation of the Company's facilities, including the right to cut and trim trees and bushes wherever necessary; and the Company shall not be required to move its facilities to another location on the Customer's premises unless the Customer shall bear the cost thereof. The Company reserves the right to restrict such installations under this Rate to areas which are easily accessible by service truck.

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