May 14, 2021
Ms. Debra A. Howland
Executive Director
New Hampshire Public Utilities Commission
21 S. Fruit St., Suite 10
Concord, New Hampshire 03301-2429

> Re: Chapter PUC 300 Rules for Electric Service Part PUC 308 Forms Required by all Utilities Form F-1

Dear Ms. Howland:
Public Service of New Hampshire d/b/a Eversource Energy (Eversource) is submitting the following pursuant to the requirements of Chapter Puc 300 Rules for Electric Service.

An original of Eversource's NHPUC Form F-1 consisting of three schedules: Calculation of Per Books Rate of Return, Current Cost of Capital, and Sales by Customer Class and supporting detail for the 12-month period ending March 31, 2021. An index of the Form F-1 is included for your convenience.

One copy of Eversource's Form F-1 was filed electronically with the NHPUC, and the second copy is included with this filing letter.

If you require additional copies of the items listed above, or have any questions, please feel free to contact me.

Gery truly yours,
Erica L. Menard
Manager, NH Revenue Requirements

ELM:kd
Enclosures
cc: A. Desbiens
T. Frantz, NHPUC

Office of Consumer Advocate
J. Kotkin
J. Purington
D. Horton

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

NHPUC Form F-1

First Quarter 2021

## INDEX

Schedule 1 - Calculation of Per Books Rate of Return (3 pages)
Schedule 2 - Current Cost of Capital (1 page)
Schedule 3 - Sales by Customer Class (4 pages)

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

## SCHEDULE 1

## CALCULATION OF PER BOOKS RATE OF RETURN

(Thousands of Dollars, Excluding Percentage Data)

|  |  | Twelve Months Ended: |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Distribution | Retail <br> Transmission | Transmission (1) | $\begin{gathered} \text { Stranded } \\ \text { Costs } \\ \hline \end{gathered}$ | Generation/ <br> Default Energy Service/ Eliminations | Total Company | Reference |
| 1 | Net Operating Income | 92,338 | (537) | 98,715 | 19,331 | $(3,250)$ | 206,597 | Schedule 1, Page 2, Line 20 |
| 2 | 5 Qtr. Average Rate Base | 1,387,817 | (961) | 1,213,461 | 11,017 | $(24,632)$ | 2,586,702 | Schedule 1, Page 3, Line 14 |
| 3 | Rate of Return (ROR) | 6.65\% | N/A | 8.13\% | N/A | N/A | 7.99\% | Line 1 / Line 2 |
| 4 | Less: Short-Term and Long-term Debt | 1.61\% |  | 1.61\% |  |  | 1.61\% | Schedule 2, Page 1, Line 26 |
| 5 | Equity Component of Rate of Return | 5.04\% | N/A | 6.52\% | N/A | N/A | 6.38\% | Line 3 - Line 4 |
| 6 | Equity Percentage--Debt to Equity Ratio | 57.38\% |  | 57.38\% |  |  | 57.38\% | Schedule 2, Page 1, Line 21 |
| 7 | Return on Equity (ROE) | 8.78\% | N/A | 11.36\% | N/A | N/A | 11.12\% | Line 5 / Line 6 |
| 8 | Amounts shown above may not add due to | ding. |  |  |  |  |  |  |
| 9 | (1) PSNH's Transmission segment (6T) p | wholesale trans | sion services and | regulated by the FE |  |  |  |  |

## PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE <br> D/B/A EVERSOURCE ENERGY

SCHEDULE 1 (continued)
OPERATING INCOME STATEMENT (1)
(Thousands of Dollars)

|  |  | Twelve Months Ended: |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Distribution |  | Retail <br> Transmission |  | Transmission |  | Stranded Costs |  | Generation/ Default Energy Service/ Eliminations (2) |  | Total Company |  |
| 1 | Operating Revenues | \$ | 408,120 | \$ | 207,379 | \$ | 237,306 | \$ | 144,221 |  | 99,039 | \$ | 1,096,065 |
| 2 | Operating Expenses |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | Production Expenses |  | 108 |  | 33 |  | - |  | 57,912 |  | 266,334 |  | 324,387 |
| 4 | Transmission Expenses |  | 26 |  | 208,079 |  | 17,979 |  | - |  | $(170,955)$ |  | 55,129 |
| 5 | Distribution Expenses |  | 94,211 |  | - |  | 37 |  | 262 |  | (0) |  | 94,510 |
| 6 | Customer Accounting |  | 21,699 |  | - |  | 0 |  | 41,775 |  | 5,533 |  | 69,006 |
| 7 | General Administrative |  | 61,968 |  | - |  | 18,233 |  | $(6,136)$ |  | (994) |  | 73,072 |
| 8 | Other |  | - |  | - |  | - |  | ( |  |  |  |  |
| 9 | Sub-Total |  | 178,012 |  | 208,112 |  | 36,250 |  | 93,812 |  | 99,917 |  | 616,103 |
| 10 | Depreciation |  | 70,516 |  | - |  | 38,133 |  | - |  | - |  | 108,648 |
| 11 | Amortization of Depletion of Utility Plant |  | 1,620 |  | - |  | 62 |  | - |  | - |  | 1,682 |
| 12 | Regulatory Debits |  | 14,421 |  | - |  | - |  | 36,541 |  | 279 |  | 51,242 |
| 13 | Taxes Other Than Income Taxes |  | 50,262 |  | - |  | 34,059 |  | - |  | (375) |  | 83,946 |
| 14 | Federal Income Taxes |  | 1,607 |  | $(3,103)$ |  | 9,328 |  | 11,143 |  | 1,900 |  | 20,875 |
| 15 | Income Taxes - Other |  | (254) |  | $(1,232)$ |  | 1,543 |  | 4,437 |  | 18 |  | 4,512 |
| 16 | Deferred Income Taxes, net |  | (399) |  | 4,139 |  | 19,217 |  | $(21,044)$ |  | 550 |  | 2,463 |
| 17 | Investment Tax Credit Adjustments |  | (4) |  | - |  | (0) |  | - |  | - |  | (4) |
| 18 | Gain on Disposal of Utility Plant |  | - |  | - |  | - |  | - |  | - |  | - |
| 19 | Total Operating Expenses |  | 315,782 |  | 207,916 |  | 138,591 |  | 124,890 |  | 102,290 |  | 889,468 |
| 20 | Net Operating Income | \$ | 92,338 | \$ | (537) | \$ | 98,715 | \$ | 19,331 | \$ | $(3,250)$ | \$ | 206,597 |

1 (1) Business segmention of income statement revenues and expenses is supported by detailed journal entry or transaction data
which is summarized by automated systems which can produce segmented income statements.
3 (2) Eliminations is primarily inter-segment eliminations between the Transmission and Distribution segments.

# FIVE QUARTER AVERAGE RATE BASE BY SEGMENT (1) 

(Thousands of Dollars)


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

SCHEDULE 2

CURRENT COST OF CAPITAL (Thousands of Dollars, Excluding Percentage Data)

## Five-Quarter Average

at
March 31, 2021

Reference

| 1 | 1. Equity |  |  |
| :--- | :--- | :--- | :--- |
| 2 | Cost of Common Equity | $8.78 \%$ | Schedule 1, Page 1, Line 7 |
| 3 | Weighted Cost of Equity | $5.04 \%$ | Line $2 \times$ Line 21 |

## 2. Short-Term and Long-term Debt (excludes Rate Reduction Bonds)

## Principal Balance ( $\$ 000 \mathrm{~s}$ )

Short Term Debt 95,240

Company actuals
Company actuals Company actuals
Total Lines 6-8

## Annual Debt Expense (\$000s)

Short-Term Debt Annual Expense
Long-Term Debt Annual Expense
Total Short-Term and Long-Term Debt Annual Expense

| 614 |
| :---: |
| 41,193 |
| 41,806 |

Company actuals Company actuals Line 11 + Line 12

## Cost of Debt (\%)

Short-Term Debt Effective Interest Rate
Long-Term Debt Effective Interest Rate
Short-Term and Long-Term Debt Effective Interest Rate

| $0.64 \%$ |
| :---: |
| $4.07 \%$ |
| $3.78 \%$ |

Line 11 / Line 6
Line 12 / Line 7 Line 13 / (Line $6+$ Line 7)

Capitalization Percentage

| Short Term Debt | 3.67\% | Line 6 / Line 9 |
| :---: | :---: | :---: |
| Long Term Debt, net of issuance expense | 38.95\% | Line 7 / Line 9 |
| Total Equity | 57.38\% | Line 8 / Line 9 |
| Total | 100.00\% | Total Lines 19-21 |
| Weighted Average Cost of Capital |  |  |
| Short-Term Debt Weighted Avg Effective Int Rate | 0.02\% | Line $15 \times$ Line 19 |
| Long-Term Debt Weighted Avg Effective Int Rate | 1.59\% | Line $16 \times$ Line 20 |
| Short-Term and Long-Term Debt Weighted Avg Effective Int Rate | 1.61\% | Line 24 + Line 25 |
| Weighted Cost of Capital | 6.65\% | Line 3 + Line 26 |

## 3. Preferred Stock

There are no issues of preferred stock outstanding N/A

## PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE <br> D/B/A EVERSOURCE ENERGY

## SCHEDULE 3 -SALES BY CUSTOMER CLASS

ELECTRIC SERVICE REVENUE BY CLASS OF CUSTOMER

| 19 | Residential |
| :--- | :---: |
| 20 | Small commercial and industrial (1) |
| 21 | Large commercial and industrial (1) |
| 22 | Outdoor lighting |
| 23 | Total Retail billed |
| 24 | Retail unbilled |
| 25 | Total Retail calendar |
| 26 | Sales for resale (requirement) |
| 27 | Total Quarter III |
|  |  |
| 28 | Residential |
| 29 | Small commercial and industrial (1) |
| 30 | Large commercial and industrial (1) |
| 31 | Outdoor lighting |
| 32 | Total Retail billed |
| 33 | Retail unbilled |
| 34 | Total Retail calendar |
| 35 | Sales for resale (requirement) |
| 36 | Total Quarter IV |
|  |  |
| 37 | Residential |
| 38 | Small commercial and industrial (1) |
| 39 | Large commercial and industrial (1) |
| 40 | Outdoor lighting |
| 41 | Total Retail billed |
| 42 | Retail unbilled |
| 43 | Total Retail calendar |
| 44 | Sales for resale (requirement) |
| 45 | Total Year-to-Date |

Residential
Small commercial and industrial (1)
Large commercial and industrial (1)
Outdoor lighting
Total Retail billed
Retail unbilled
Total Retail calendar
Sales for resale (requirement)
Total Quarter I

| Revenue (Thousands of Dollars) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| Distribution | Transmission | Stranded | System | Energy |  |


| 2021 Quarter I |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$ | 64,528 | \$ | 27,706 | \$ | 11,025 | \$ | 4,160 | \$ | 52,374 | \$ | 159,794 |
|  | 22,531 |  | 10,919 |  | 4,772 |  | 3,073 |  | 12,667 |  | 53,961 |
|  | 14,607 |  | 15,859 |  | 5,497 |  | 4,837 |  | 3,537 |  | 44,337 |
|  | 1,575 |  | 149 |  | 109 |  | 53 |  | 227 |  | 2,113 |
|  | 103,241 |  | 54,633 |  | 21,403 |  | 12,123 |  | 68,804 |  | 260,204 |
|  | (118) |  | $(1,546)$ |  | 1,004 |  | - |  | $(2,228)$ |  | $(2,889)$ |
|  | 103,123 |  | 53,087 |  | 22,406 |  | 12,123 |  | 66,576 |  | 257,315 |
|  | 1,268 |  | 0 |  | - |  | - |  | 0 |  | 1,269 |
| \$ | 104,391 | \$ | 53,087 | \$ | 22,406 | \$ | 12,123 | \$ | 66,576 | \$ | 258,584 |


| 2021 Quarter II |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$ | - | \$ | - |  | \$ | - |  | \$ | - |  | \$ | - |  | \$ | - |
|  | - |  | - |  |  | - |  |  | - |  |  | - |  |  | - |
|  | - |  | - |  |  | - |  |  | - |  |  | - |  |  | - |
| - |  |  | - |  |  | - |  |  | - |  |  | - |  |  | $-$ |
|  |  |  | - |  |  | - |  |  | - |  |  | - |  |  | - |
|  |  |  | - |  |  | - |  |  | - |  |  | - |  |  | - |
|  |  |  |  | - |  |  | - |  |  | - |  |  | - |  | - |
|  | - |  | - |  |  | - |  |  | - |  |  | - |  |  | - |
| \$ |  | \$ |  | - | \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |



| 2021 Quarter IV |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$ | - | \$ | - | \$ | - |  | \$ | - |  | \$ | - |  | \$ | - |
|  | - |  | - |  | - |  |  | - |  |  | - |  |  | - |
|  | - |  | - |  | - |  |  | - |  |  | - |  |  | - |
| - |  |  | - |  | - |  |  | - |  |  | - |  |  | - |
|  |  |  | - |  | - |  |  | - |  |  | - |  |  | - |
|  |  |  | - |  | - |  |  | - |  |  | - |  |  |  |
|  | - |  |  | - |  | - |  |  | - |  |  | - |  | - |
|  | - |  |  | - |  | - |  |  | - |  |  | - |  | - |
| \$ | - | \$ |  | - \$ |  | - | \$ |  | - | \$ |  | - | \$ | - |


| \$ | 64,528 | \$ | 27,706 | \$ | 11,025 | \$ | 4,160 | \$ | 52,374 | \$ | 159,794 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 22,531 |  | 10,919 |  | 4,772 |  | 3,073 |  | 12,667 |  | 53,961 |
|  | 14,607 |  | 15,859 |  | 5,497 |  | 4,837 |  | 3,537 |  | 44,337 |
|  | 1,575 |  | 149 |  | 109 |  | 53 |  | 227 |  | 2,113 |
|  | 103,241 |  | 54,633 |  | 21,403 |  | 12,123 |  | 68,804 |  | 260,204 |
|  | (118) |  | $(1,546)$ |  | 1,004 |  | - |  | $(2,228)$ |  | $(2,889)$ |
|  | 103,123 |  | 53,087 |  | 22,406 |  | 12,123 |  | 66,576 |  | 257,315 |
|  | 1,268 |  | 0 |  | - |  | - |  | 0 |  | 1,269 |
| \$ | 104,391 | \$ | 53,087 | \$ | 22,406 | \$ | 12,123 | \$ | 66,576 | \$ | 258,584 |

(1) The "Small commercial and industrial" class corresponds to General Service Rate G (loads for billing purposes do not exceed 100 kilowatts). The "Large commercial and industrial" class corresponds to Primary General Service Rate GV and Large General Service Rate LG classes (loads exceed 100 kilowatts).

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

## SCHEDULE 3 -SALES BY CUSTOMER CLASS

## ELECTRIC SERVICE REVENUE BY CLASS OF CUSTOMER


(1) The "Small commercial and industrial" class corresponds to General Service Rate G (loads for billing purposes do not exceed 100 kilowatts). The "Large commercial and industrial" class corresponds to Primary General Service Rate GV and Large General Service Rate LG classes (loads exceed 100 kilowatts).

## PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE <br> D/B/A EVERSOURCE ENERGY

SCHEDULE 3 - SALES BY CUSTOMER CLASS
KILOWATT-HOURS DELIVERED AND AVERAGE NUMBER OF CUSTOMERS BY CLASS OF CUSTOMER

## Residential

```
Small commercial and industrial (1)
Large commercial and industrial (1)
Outdoor lighting
Total Retail billed
Retail unbilled
Total Retail calendar
Sales for resale (requirement)
Total Quarter II
```

    Residential
    Residential
    Small commercial and industrial (1)
    Small commercial and industrial (1)
    Large commercial and industrial (1)
    Large commercial and industrial (1)
    Outdoor lighting
    Outdoor lighting
    Total Retail billed
    Total Retail billed
    Retail unbilled
    Retail unbilled
    Total Retail calendar
    Total Retail calendar
    Sales for resale (requirement)
    Sales for resale (requirement)
    Total Quarter I
    Total Quarter I
    | Kilowatt- <br> Hours <br> Delivered | Average <br> Number of <br> Customers |
| :---: | ---: |
| $\mathbf{2 0 2 1}$ |  |
| $929,167,179$ | 448,939 |
| $413,496,345$ |  |
| $650,789,142$ |  |
| $7,145,568$ |  |
| $2,000,598,235$ |  |
| $(49,980,450)$ | 77,326 |
| $1,950,617,785$ |  |
| 1,840 | 740 |
|  |  |
| $\mathbf{1 , 9 5 0 , 6 1 9 , 6 2 5}$ |  |


| 2021 Quarter II |  |  |
| :---: | :---: | :---: |
| - | - |  |
| - | - |  |
| - | - |  |
| - | - |  |
|  | - |  |
| - | - |  |
| - | - |  |
| - | - |  |
| - |  |  |


Sales for resale (requirement)
Total Quarter IV
Residential
Small commercial and industrial (1)
Large commercial and industrial (1)
Outdoor lighting
Total Retail billed
Retail unbilled
Total Retail calendar
Sales for resale (requirement)
Total Year-to-Date
Residential
Small commercial and industrial (1)
Large commercial and industrial (1)
Outdoor lighting
Total Retail billed
Retail unbilled
Total Retail calendar
Sales for resale (requirement)
Total Quarter III

Small commercial and industrial (1)
Large commercial and industrial (1)
Outdoor lighting
Total Retail billed
Retail unbilled
Total Retail calendar

| 2021 Year-to-Date |  |
| :---: | ---: |
| $929,167,179$ | 448,939 |
| $413,496,345$ | 77,326 |
| $650,789,142$ | 1,510 |
| $7,145,568$ | 744 |
| $2,000,598,235$ | 528,519 |
| $(49,980,450)$ | - |
| $1,950,617,785$ | 528,519 |
| 1,840 | 12 |
| $\mathbf{1 , 9 5 0 , 6 1 9 , 6 2 5}$ |  |
|  |  |

(1) The "Small commercial and industrial" class corresponds to General Service Rate G (loads for billing purposes do not exceed 100 kilowatts).

The "Large commercial and industrial" class corresponds to Primary General Service Rate GV and Large General Service Rate LG classes (loads exceed 100 kilowatts).

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

SCHEDULE 3 -SALES BY CUSTOMER CLASS
KILOWATT-HOURS DELIVERED AND AVERAGE NUMBER OF CUSTOMERS BY CLASS OF CUSTOMER

(1) The "Small commercial and industrial" class corresponds to General Service Rate G (loads for billing purposes do not exceed 100 kilowatts). The "Large commercial and industrial" class corresponds to Primary General Service Rate GV and Large General Service Rate LG classes (loads exceed 100 kilowatts).

