



**The Commonwealth of Massachusetts**

**RETURN**  
**OF THE**  
**MUNICIPAL LIGHT DEPARTMENT OF**  
**THE TOWN OF SOUTH HADLEY**  
**TO THE**  
**DEPARTMENT OF PUBLIC UTILITIES**  
**OF MASSACHUSETTS**

**For the Year Ended December 31,**

**2023**

Name of Officer to whom correspondence should  
be addressed regarding this report :

**Sean P. Fitzgerald**

Official Title: **Manager**

Office Address:

**85 Main Street  
South Hadley, MA 01075**

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## GENERAL INFORMATION

- |  |  |
|--|--|
| 1. Name of town (or city) making this report:  | Town of South Hadley, Massachusetts  |
| 2. If the town (or city) has acquired a plant, kind of plant, whether gas or electric:                 | Electric   |
| Owner from whom purchased, if so acquired.   | Amherst Power Company  |
| Date of votes to acquire a plant in accordance with the provisions of chapter 164 of the General Laws: | April 14, 1914   |
| Record of votes:   | First vote - Yes 141, No 35 Second vote - Yes 169, No 44   |
| Date when town (or city) began to sell electricity:  | 1914   |
| 3. Name and address of manager of municipal lighting:  | Sean P. Fitzgerald, 38 Bissonnette Circle, Southampton, MA   |
| 4. Name and address of mayor or selectmen  | Chair : Andrea Miles, 127 Granby Road, South Hadley, MA<br>Vice Chair : Carol P. Constant, 100 Morgan Street, South Hadley, MA<br>Clerk : Nicole Casolari, 1 Harvard Street, South Hadley, MA<br>Member : Jefferey Cyr, 8 Crystal Lane, South Hadley, MA<br>Member : Renee Sweeney, 11 Boynton Ave, South Hadley, MA |
| 5. Name and address of town (or city) treasurer:   | Donna Whiteley, 52 Maple Street, Southampton, MA   |
| 6. Name and address of town (or city) clerk:   | Sarah B Gmeiner, 145 Lathrop Street, South Hadley, MA  |
| 7. Names and addresses of members of municipal light board:  | Chair : John R. Hine, 39 Chestnut Hill Road, South Hadley, MA<br>Vice-Chair : Denise Presley, 19 The Knolls, South Hadley, MA<br>Clerk : Paul Dobosh, 26 Jewett Lane, South Hadley, MA<br>Member : Kurt C. Schenker, 59 Pine Street, South Hadley, MA  |
| 8. Total valuation of estates in town (or city) according to last state valuation: Fiscal 2023         | \$ 2,306,064,359   |
| 9. Tax rate for all purposes during the year: Fiscal 2024  | Town - \$14.41, Fire District 1 - \$2.24, Fire District 2 - \$2.18   |
| 10. Amount of manager's salary:  | \$ 221,374   |
| 11. Amount of manager's bond:  | None   |
| 12. Amount of salary paid to members of municipal light board (each):                                  | None   |

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2022

**FURNISH SCHEDULE OF ESTIMATES REQUIRED BY GENERAL LAWS, CHAPTER 164, SECTION 57 FOR GAS  
AND ELECTRIC LIGHT PLANTS FOR THE FISCAL YEAR ENDING DECEMBER 31, NEXT**

|   |   |   |  |
|---|---|---|--|
| <b>INCOME FROM PRIVATE CONSUMERS:</b>   |   |   |  |
| 1   | FROM SALES OF GAS                                       |   |  |
| 2   | FROM SALE OF ELECTRICITY                                |   | 15,948,964   |
| 3   | FROM RATE STABILIZATION FUND                            |   |  |
| 4   |   | Totals  | 15,948,964   |
| 5   | <b>Expenses:</b>  |   |  |
| 6   | For operation, maintenance and repairs                  |   | 14,488,364   |
| 7   | For interest on bonds, notes or scrip                   |   |  |
| 8   | For depreciation fund                                   |   | 1,307,291  |
| 9   | For sinking fund requirements                           |   |  |
| 10  | For note payments                                       |   |  |
| 11  | For bond payments                                       |   |  |
| 12  | For loss in preceding year                              |   |  |
| 13  |   | Totals  | 15,795,655   |
| 14  |   |   |  |
| 15  | <b>Cost:</b>  |   |  |
| 16  | Of gas to be used for municipal buildings               |   |  |
| 17  | Of gas to be used for street lights                     |   |  |
| 18  | Of electricity to be used for municipal buildings       |   | 763,307  |
| 19  | Of electricity to be used for street lights             |   | 81,316   |
| 20  | Total of the above items to be included in the tax levy |   | 844,623  |
| 21  |   |   |  |
| 22  | New construction to be included in the tax levy         |   |  |
| 23  | Total amounts to be included in the tax levy            |   | 844,623  |
|   |   |   |  |
| <b>CUSTOMERS</b>  |   |   |  |
| <b>Names of cities of towns in which the plant supplies<br/>GAS, with the number of customers' meters in each</b> |   | <b>Names of cities of towns in which the plant<br/>supplies ELECTRICITY, with the number of<br/>customers' meters in each</b> |  |
| <b>City or Town</b>   | <b>Number of Customers'<br/>Meters, December 31.</b>    | <b>City or Town</b>   | <b>Number of Customers'<br/>Meters, December 31.</b> |
| None  | None  | South Hadley  | 7,901  |
|   |   | Granby  | 45   |
|   |   | Hadley  | 10   |
|   |   | Totals  | 7,956  |

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2022

## APPROPRIATIONS SINCE BEGINNING OF YEAR

(Include also all items charged direct to tax levy, even where no appropriation is made or required.)

## FOR CONSTRUCTION OR PURCHASE OF PLANT:

|      |         |                     |  |
|------|---------|---------------------|--|
| * At | meeting | , to be paid from { |  |
| * At | meeting | , to be paid from { |  |

## FOR THE ESTIMATED COST OF THE GAS OR ELECTRICITY TO BE USED BY THE CITY OR TOWN FOR:

|                        |         |
|------------------------|---------|
| 1. Municipal Buildings | 763,307 |
| 2. Street Lights       | 81,316  |
|                        |         |
| TOTAL                  | 844,623 |

\*Date of meeting and whether regular or special { Here insert bonds, notes or tax levy

## CHANGES IN THE PROPERTY

1. Describe briefly all the important physical changes in the property during the last fiscal period including additions, alterations or improvements to the works or physical property retired.

Continued implimentaion of a system wide conversion to Advanced Meterig Infrastructure

Continued expansion of fiber optic network

Continued vehicle replacement plan



The bonds and notes outstanding at the end of the year should agree with the balance sheet. When bond and notes are repaid, report the first three columns only.

\*Date of meeting and whether regular or special

## TOTAL COST OF PLANT - ELECTRIC

1. Report below the cost of utility plant in service according to prescribed accounts.  
 2. Do not include as adjustments, corrections of additions and retirements for the current or the pre-
- ceding year. Such items should be included in column (c) or (d) as appropriate.  
 3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.  
 4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

| Line No. | Account                                  | Balance Beginning of Year | Additions | Retirements | Adjustments | Transfers | Balance End of Year |
|----------|--|---------------------------|-----------|-------------|-------------|-----------|---------------------|
|          | (a)                                      | (b)                       | (c)       | (d)         | (e)         | (f)       | (g)                 |
| 1        | <b>1. INTANGIBLE PLANT</b>               |                           |           |             |             |           |                     |
| 2        |  |                           |           |             |             |           |                     |
| 3        |  |                           |           |             |             |           |                     |
| 4        |  | 0                         | 0         | 0           | 0           | 0         | 0                   |
| 5        | <b>2. PRODUCTION PLANT</b>               |                           |           |             |             |           |                     |
| 6        | <b>A. Steam Production</b>               |                           |           |             |             |           |                     |
| 7        | 310 Land and Land Rights                 |                           |           |             |             |           |                     |
| 8        | 311 Structures and Improvements          |                           |           |             |             |           |                     |
| 9        | 312 Boiler Plant Equipment               |                           |           |             |             |           |                     |
| 10       | 313 Engines and Engine Driven Generators |                           |           |             |             |           |                     |
| 11       | 314 Turbogenerator Units                 |                           |           |             |             |           |                     |
| 12       | 315 Accessory Electric Equipment         |                           |           |             |             |           |                     |
| 13       | 316 Miscellaneous Power Plant Equipment  |                           |           |             |             |           |                     |
| 15       | <b>Total Steam Production Plant</b>      | 0                         | 0         | 0           | 0           | 0         | 0                   |
| 16       | <b>B. Nuclear Production Plant</b>       |                           |           |             |             |           |                     |
| 17       | 320 Land and Land Rights                 |                           |           |             |             |           |                     |
| 18       | 321 Structures and Improvements          |                           |           |             |             |           |                     |
| 19       | 322 Reactor Plant Equipment              |                           |           |             |             |           |                     |
| 20       | 323 Turbogenerator Units                 |                           |           |             |             |           |                     |
| 21       | 324 Accessory Electric Equipment         |                           |           |             |             |           |                     |
| 22       | 325 Miscellaneous Power Plant Equipment  |                           |           |             |             |           |                     |
| 23       | <b>Total Nuclear Production Plant</b>    | 0                         | 0         | 0           | 0           | 0         | 0                   |

## TOTAL COST OF PLANT - ELECTRIC (Continued)

| Line No. | Account                                     | Balance Beginning of Year | Additions | Retirements | Adjustments | Transfers | Balance End of Year |
|----------|---|---------------------------|-----------|-------------|-------------|-----------|---------------------|
|          | (a)   | (b)                       | (c)       | (d)         | (e)         | (f)       | (g)                 |
| 1        | <b>C. Hydraulic Production Plant</b>        |                           |           |             |             |           |                     |
| 2        | 330 Land and Land Rights                    |                           |           |             |             |           |                     |
| 3        | 331 Structures and Improvements             |                           |           |             |             |           |                     |
| 4        | 332 Reservoirs, Dams and Waterways          |                           |           |             |             |           |                     |
| 5        | 333 Water wheels, Turbines and Generators   |                           |           |             |             |           |                     |
| 6        | 334 Accessory Electric Equipment            |                           |           |             |             |           |                     |
| 7        | 335 Miscellaneous Power Plant Equipment     |                           |           |             |             |           |                     |
| 8        | 336 Roads, Railroads and Bridges            |                           |           |             |             |           |                     |
| 9        | <b>Total Hydraulic Production Plant</b>     | 0                         | 0         | 0           | 0           | 0         | 0                   |
| 10       | <b>D. Other Production Plant</b>            |                           |           |             |             |           |                     |
| 11       | 340 Land and Land Rights                    |                           |           |             |             |           |                     |
| 12       | 341 Structures and Improvements             |                           |           |             |             |           |                     |
| 13       | 342 Fuel Holders, Producers and Accessories |                           |           |             |             |           |                     |
| 14       | 343 Prime Movers                            |                           |           |             |             |           |                     |
| 15       | 344 Generators                              |                           |           |             |             |           |                     |
| 16       | 345 Accessory Electric Equipment            |                           |           |             |             |           |                     |
| 17       | 346 Miscellaneous Power Plant Equipment     |                           |           |             |             |           |                     |
| 18       | <b>Total Other Production Plant</b>         | 0                         | 0         | 0           | 0           | 0         | 0                   |
| 19       | <b>Total Production Plant</b>               | 0                         | 0         | 0           | 0           | 0         | 0                   |
| 20       | <b>3. TRANSMISSION PLANT</b>                |                           |           |             |             |           |                     |
| 21       | 350 Land and Land Rights                    |                           |           |             |             |           |                     |
| 22       | 351 Clearing Land and Rights of Way         |                           |           |             |             |           |                     |
| 23       | 352 Structures and Improvements             |                           |           |             |             |           |                     |
| 24       | 353 Station Equipment                       |                           |           |             |             |           |                     |
| 25       | 354 Towers and Fixtures                     |                           |           |             |             |           |                     |
| 26       | 355 Poles and Fixtures                      |                           |           |             |             |           |                     |
| 27       | 356 Overhead Conductors and Devices         |                           |           |             |             |           |                     |
| 28       | 357 Underground Conduits                    |                           |           |             |             |           |                     |
| 29       | 358 Underground Conductors and Devices      |                           |           |             |             |           |                     |
| 30       | 359 Roads and Trails                        |                           |           |             |             |           |                     |
| 31       | <b>Total Transmission Plant</b>             | 0                         | 0         | 0           | 0           | 0         | 0                   |

## TOTAL COST OF PLANT - ELECTRIC (Continued)

| Line No. | Account   | Balance Beginning of Year | Additions | Retirements | Adjustments | Transfers | Balance End of Year |
|----------|---|---------------------------|-----------|-------------|-------------|-----------|---------------------|
|          | (a)   | (b)                       | (c)       | (d)         | (e)         | (f)       | (g)                 |
| 1        | <b>4. DISTRIBUTION PLANT</b>                      |                           |           |             |             |           |                     |
| 2        | 360 Land and Land Rights                          |                           |           |             |             |           |                     |
| 3        | 361 Structures and Improvements                   |                           |           |             |             |           |                     |
| 4        | 362 Station Equipment                             | 6,058,922                 | 64,647    |             |             |           | 6,123,569           |
| 5        | 363 Storage Battery Equipment                     |                           |           |             |             |           |                     |
| 6        | 364 Poles, Towers and Fixtures                    | 2,366,542                 | 113,131   | 21,468      |             |           | 2,458,205           |
| 7        | 365 Overhead Conductors and Devices               | 11,211,725                | 567,206   | 21,558      |             | 632,172   | 12,389,545          |
| 8        | 366 Underground Conduits                          | 3,242,136                 | 125,076   |             |             |           | 3,367,212           |
| 9        | 367 Underground Conductors & Devices              | 4,614,804                 | 136,255   | 18,441      |             | 172,051   | 4,904,669           |
| 10       | 368 Line Transformers                             | 1,992,450                 | 8,035     | 32,663      |             |           | 1,967,822           |
| 11       | 369 Services                                      | 876,405                   | 12,253    | 2,230       |             |           | 886,428             |
| 12       | 370 Meters  | 1,822,764                 | 554,600   | 664,474     |             |           | 1,712,890           |
| 13       | 371 Installation on Cust's Premises               |                           |           |             |             |           |                     |
| 14       | 372 Leased Prop. on Cust's Premises               | 189,651                   |           |             |             |           | 189,651             |
| 15       | 373 Street Light and Signal Systems               | 843,780                   | 21,067    | 11,033      |             |           | 853,814             |
| 16       | <b>Total Distribution Plant</b>                   | 33,219,179                | 1,602,270 | 771,867     | 0           | 804,223   | 34,853,805          |
| 17       | <b>5. GENERAL PLANT</b>                           |                           |           |             |             |           |                     |
| 18       | 389 Land and Land rights                          | 503,349                   |           |             |             |           | 503,349             |
| 19       | 390 Structures and Improvements                   | 977,623                   | 7,518     |             |             |           | 985,141             |
| 20       | 391 Office Furniture and Equipment                | 1,371,296                 | 29,151    |             |             |           | 1,400,447           |
| 21       | 392 Transportation Equipment                      | 2,084,451                 | 141,831   | 76,502      |             | 90,922    | 2,240,702           |
| 22       | 393 Stores Equipment                              | 28,701                    |           |             |             |           | 28,701              |
| 23       | 394 Tools, Shop and Garage Equipment              | 447,302                   |           |             |             |           | 447,302             |
| 24       | 395 Laboratory Equipment                          | 119,298                   |           |             |             |           | 119,298             |
| 25       | 396 Power Operated Equipment                      | 142,985                   |           |             |             |           | 142,985             |
| 26       | 397 Communication Equipment                       | 127,235                   |           |             |             |           | 127,235             |
| 27       | 398 Miscellaneous Equipment                       | 65,897                    |           |             |             |           | 65,897              |
| 28       | 399 Other Tangible Property                       | 8,596,848                 | 3,119,716 |             |             | (895,145) | 10,821,419          |
| 29       | <b>Total General Plant</b>                        | 14,464,985                | 3,298,216 | 76,502      | 0           | (804,223) | 16,882,476          |
| 30       | <b>Total Electric Plant in Service</b>            | 47,684,164                | 4,900,486 | 848,369     | 0           | 0         | 51,736,281          |
| 31       | <b>TOTAL COST OF PLANT.....</b>                   |                           |           |             |             |           | 51,736,281          |
| 32       |   |                           |           |             |             |           |                     |
| 33       | Less Cost of Land, Land Rights, and Rights of Way |                           |           |             |             |           | 503,349             |
| 34       | Total Cost upon which depreciation is based       |                           |           |             |             |           | 51,232,932          |

The above figures should show the original cost of existing property. In case any part of the property is sold or retired, the cost of such property should be deducted from the cost of the plant. The net cost of the property, less the land values, should be taken as a basis for figuring depreciation.

## COMPARATIVE BALANCE SHEET Assets and Other Debits

| Line No. | Title of Account                               | Balance Beginning of Year | Balance End of Year | Increase or (Decrease) |
|----------|--|---------------------------|---------------------|------------------------|
|          | (a)  | (b)                       | (c)                 | (d)                    |
| 1        | <b>UTILITY PLANT</b>                           |                           |                     |                        |
| 2        | 101 Utility Plant -Electric                    | 12,005,655                | 15,490,716          | 3,485,061              |
| 3        | 101 Utility Plant- Gas                         |                           |                     |                        |
| 4        | 123 Investment in Associated Companies         |                           |                     |                        |
| 5        | <b>Total Utility Plant</b>                     | 12,005,655                | 15,490,716          | 3,485,061              |
| 6        |  |                           |                     |                        |
| 7        |  |                           |                     |                        |
| 8        |  |                           |                     |                        |
| 9        |  |                           |                     |                        |
| 10       |  |                           |                     |                        |
| 11       | <b>FUND ACCOUNTS</b>                           |                           |                     |                        |
| 12       | 125 Sinking Funds                              |                           |                     |                        |
| 13       | 126 Depreciation Fund (P. 14)                  | 6,858,766                 | 6,879,294           | 20,528                 |
| 14       | 128 Other Special Funds                        | 11,672,992                | 9,253,317           | (2,419,675)            |
| 15       | <b>Total Funds</b>                             | 18,531,758                | 16,132,611          | (2,399,147)            |
| 16       | <b>CURRENT AND ACCRUED ASSETS</b>              |                           |                     |                        |
| 17       | 131 Cash (P. 14)                               | 6,803,109                 | 7,756,575           | 953,466                |
| 18       | 132 Special Deposits                           | 377,109                   | 386,609             | 9,500                  |
| 19       | 132 Working Funds                              | 1,059,981                 | 1,122,465           | 62,484                 |
| 20       | 141 Notes and Receivables                      |                           |                     |                        |
| 21       | 142 Customer Accounts Receivable               | 489,303                   | 544,912             | 55,609                 |
| 22       | 143 Other Accounts Receivable                  |                           |                     |                        |
| 23       | 146 Receivables from Municipality              |                           |                     |                        |
| 24       | 151 Materials and Supplies (P. 14)             | 1,405,867                 | 1,280,383           | (125,484)              |
| 25       | 165 Prepayments                                | 119,133                   | 120,371             | 1,238                  |
| 26       | 174 Miscellaneous Current Assets               |                           |                     |                        |
| 27       | <b>Total Current and Accrued Assets</b>        | 10,254,502                | 11,211,315          | 956,813                |
| 28       | <b>DEFERRED DEBITS</b>                         |                           |                     |                        |
| 29       | 181 Unamortized Debt Discount                  |                           |                     |                        |
| 30       | 182 Extraordinary Property Debits              |                           |                     |                        |
|          | 183 Preliminary survey & Investigation Charges | 490,786                   | 490,786             | 0                      |
| 31       | 185 Other Deferred Debits                      | 2,291,623                 | 3,860,339           | 1,568,716              |
| 32       | <b>Total Deferred Debits</b>                   | 2,782,409                 | 4,351,125           | 1,568,716              |
| 33       |  |                           |                     |                        |
| 34       | <b>Total Assets and Other Debits</b>           | 43,574,325                | 47,185,767          | 3,611,442              |

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2022

## COMPARATIVE BALANCE SHEET Liabilities and Other Credits

| Line No. | Title of Account                                  | Balance Beginning of Year | Balance End of Year | Increase or (Decrease) |
|----------|---|---------------------------|---------------------|------------------------|
|          | (a)   | (b)                       | (c)                 | (d)                    |
| 1        | <b>APPROPRIATIONS</b>                             |                           |                     |                        |
| 2        | 201 Appropriations for Construction               |                           |                     |                        |
| 3        | <b>SURPLUS</b>                                    |                           |                     |                        |
| 4        | 205 Sinking Fund Reserves                         |                           |                     |                        |
| 5        | 206 Loans Repayment                               |                           |                     |                        |
| 6        | 207 Appropriations for Construction Repayment..   |                           |                     |                        |
| 7        | 208 Unappropriated Earned Surplus (P. 12)         | 20,548,805                | 21,642,085          | 1,093,280              |
| 8        | <b>Total Surplus</b>                              | 20,548,805                | 21,642,085          | 1,093,280              |
| 9        | <b>LONG TERM DEBT</b>                             |                           |                     |                        |
| 10       | 221 Bonds (P. 6)                                  |                           |                     |                        |
| 11       | 231 Notes Payable (P 7)                           | 11,160,000                | 10,680,000          | (480,000)              |
| 12       | <b>Total Bonds and Notes</b>                      | 11,160,000                | 10,680,000          | (480,000)              |
| 13       | <b>CURRENT AND ACCRUED LIABILITIES</b>            |                           |                     |                        |
| 14       | 232 Accounts Payable                              | 1,305,418                 | 1,348,841           | 43,423                 |
| 15       | 234 Payables to Municipality                      |                           |                     |                        |
| 16       | 235 Customer Deposits                             | 377,109                   | 386,609             | 9,500                  |
| 17       | 236 Taxes Accrued                                 |                           |                     |                        |
| 18       | 237 Interest Accrued                              |                           |                     |                        |
| 19       | 242 Miscellaneous Current and Accrued Liabilities | 16,446                    | 19,552              | 3,106                  |
| 20       | <b>Total Current and Accrued Liabilities</b>      | 1,698,973                 | 1,755,002           | 56,029                 |
| 21       | <b>DEFERRED CREDITS</b>                           |                           |                     |                        |
| 22       | 251 Unamortized Premium on Debt                   |                           |                     |                        |
| 23       | 252 Customer Advance for Construction             |                           |                     |                        |
| 24       | 253 Other Deferred Credits                        | 6,549,906                 | 9,425,990           | 2,876,084              |
| 25       | <b>Total Deferred Credits</b>                     | 6,549,906                 | 9,425,990           | 2,876,084              |
| 26       | <b>RESERVES</b>                                   |                           |                     |                        |
| 27       | 260 Reserves for Uncollectable Accounts           |                           |                     |                        |
| 28       | 261 Property Insurance Reserve                    |                           |                     |                        |
| 29       | 262 Injuries and Damages Reserves                 |                           |                     |                        |
| 30       | 263 Pensions and Benefits                         |                           |                     |                        |
| 31       | 265 Miscellaneous Operating Reserves              |                           |                     |                        |
| 32       | <b>Total Reserves</b>                             |                           |                     |                        |
| 33       | <b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>       |                           |                     |                        |
| 34       | 271 Contributions in Aid of Construction          | 3,616,641                 | 3,682,690           | 66,049                 |
| 35       | <b>Total Liabilities and Other Credits</b>        | 43,574,325                | 47,185,767          | 3,611,442              |

State below if any earnings of the Municipal Lighting Plant have been used for any purpose other than discharging indebtedness of the plant, the purpose for which used and the amount thereof.

## STATEMENT OF INCOME FOR THE YEAR

| Line No. | Account<br>(a)  | Current Year | Increase or<br>(Decrease) from<br>Preceding Year |
|----------|---|--------------|--|
| 1        | <b>OPERATING INCOME</b>   |              |  |
| 2        | 400 Operating Revenue (P. 37 and P. 43)                           | 19,516,780   | 504,863  |
| 3        | <b>Operating Expenses:</b>  |              |  |
| 4        | 401 Operation Expense (P.42)                                      | 16,853,538   | 1,579,294  |
| 5        | 402 Maintenance Expense (P. 42)                                   | 582,587      | (11,684)   |
| 6        | 403 Depreciation Expense  | 1,415,425    | 75,281   |
| 7        | 407 Amortization of Property Losses                               |              |  |
| 8        |   |              |  |
| 9        | 408 Taxes (P. 48)   |              |  |
| 10       | <b>Total Operating Expenses</b>                                   | 18,851,550   | 1,642,892  |
| 11       | Operating Income  | 665,230      | (1,138,028)                                      |
| 12       | 414 Other Utility Operating Income (P.50)                         |              |  |
| 13       |   |              |  |
| 14       | <b>Total Operating Income</b>                                     | 665,230      | (1,138,028)                                      |
| 15       | <b>OTHER INCOME</b>   |              |  |
| 16       | 415 Income from Merchandising, Jobbing, and Contract Work (P. 51) |              |  |
| 17       | 419 Interest Income   | 851,454      | 1,704,337  |
| 18       | 421 Miscellaneous Income  | 67,759       | 42,465   |
| 19       | <b>Total Other Income</b>   | 919,213      | 1,746,801  |
| 20       | <b>Total Income</b>   | 1,584,443    | 608,773  |
| 21       | <b>MISCELLANEOUS INCOME DEDUCTIONS</b>                            |              |  |
| 22       | 425 Miscellaneous Amortization                                    |              |  |
| 23       | 426 Other Income Deductions                                       |              |  |
| 24       | <b>Total Income Deductions</b>                                    | 0            | 0  |
| 25       | <b>Income before Interest Charges</b>                             | 1,584,443    | 608,773  |
| 26       | <b>INTEREST CHARGES</b>   |              |  |
| 27       | 427 Interest on Bonds and Notes                                   | 311,163      | (13,383)   |
| 28       | 428 Amortization of Debt Discount and Expense                     |              |  |
| 29       | 429 Amortization of Premium on Debt                               |              |  |
| 30       | 431 Other Interest Expense  |              |  |
| 31       | 432 Interest Charged to Construction-Credit                       |              |  |
| 32       | <b>Total Interest Charges</b>                                     | 311,163      | (13,383)   |
| 33       | <b>Net Income</b>   | 1,273,280    | 622,156  |

## EARNED SURPLUS

| Line No. | (a)  | Debits<br>(b)     | Credits<br>(c)    |
|----------|--|-------------------|-------------------|
| 34       | Unappropriated Earned Surplus (at beginning of Period) |                   | 20,548,805        |
| 35       |  |                   |                   |
| 36       | 433 Balance transferred from Income                    |                   | 1,273,280         |
| 37       | 434 Miscellaneous Credits to Surplus                   |                   |                   |
| 38       | 435 Miscellaneous Debits to Surplus                    | 180,000           |                   |
| 39       | 436 Appropriations of Surplus (P.21)                   |                   |                   |
| 40       | 437 Surplus Applied to Depreciation                    |                   |                   |
| 41       | 208 Unappropriated Earned Surplus (at end of period)   | 21,642,085        |                   |
| 42       | Totals   | <b>21,822,085</b> | <b>21,822,085</b> |

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2022

## CASH BALANCES AT END OF YEAR (Account 131)

| Line No. | Items             | Amount    |
|----------|-------------------|-----------|
|          | (a)               | (b)       |
| 1        | Operation Fund    | 7,756,575 |
| 2        | Interest Fund     |           |
| 3        | Bond Fund         |           |
| 4        | Construction Fund |           |
| 5        |                   |           |
| 6        |                   |           |
| 7        |                   |           |
| 8        |                   |           |
| 9        | Totals            | 7,756,575 |

MATERIALS AND SUPPLIES (Account 151-159, 163 )  
Summary per Balance Sheet

| Line No. | Account  | Amount End of Year |     |
|----------|--|--------------------|-----|
|          |  | Electric           | Gas |
|          | (a)  | (b)                | (c) |
| 10       | Fuel (Account 151) (See Schedule, Page 25)                     |                    |     |
| 11       | Fuel Stock Expenses (Account 152)                              |                    |     |
| 12       | Residuals (Account 153)  |                    |     |
| 13       | Plant Materials and Operating Supplies (Account 154)           | 1,280,383          |     |
| 14       | Merchandise (Account 155)                                      |                    |     |
| 15       | Other Materials and Supplies (Account 156)                     |                    |     |
| 16       | Nuclear Fuel Assemblies and Components - In Reactor (Acct 157) |                    |     |
| 17       | Nuclear Fuel Assemblies and Components - Stock Acct (Acct 158) |                    |     |
| 18       | Nuclear Byproduct Materials (Account 159)                      |                    |     |
| 19       | Stores Expense (Account 163)                                   |                    |     |
| 20       | <b>Total per Balance Sheet</b>                                 | 1,280,383          | 0   |

## DEPRECIATION FUND ACCOUNT (Account 126)

| Line No.       | (a)   | Amount    |
|----------------|---|-----------|
|                | (a)   | (b)       |
| <b>DEBITS</b>  |   |           |
| 21             | Balance of Account at Beginning of Year                         | 6,858,766 |
| 22             | Income During Year from Balance on Deposit                      | 245,309   |
| 22             | Amount Transferred from Income                                  | 1,210,816 |
| 23             | Gain oin Disposition of Property and Equipment                  | 105,419   |
| 24             | Contributions in Aid of Construction                            | 66,048    |
| 25             |   |           |
| 26             | Totals  | 8,486,358 |
| 27             |   |           |
| <b>CREDITS</b> |   |           |
| 29             | Amount expended for Construction Purposes (Sec. 57C164 of G.L.) |           |
| 30             | Amounts Expended for Renewals                                   | 1,607,064 |
| 31             | Adjustment: Retirements   | 0         |
| 32             |   |           |
| 33             |   |           |
| 34             | Balance on Hand at End of Year                                  | 6,879,294 |
| 35             | Totals  | 8,486,358 |

## UTILITY PLANT - ELECTRIC

1. Report below the cost of utility plant in service according to prescribed accounts.
2. Do not include as adjustments, corrections of additions and retirements for the current or the pre-

- ceding year. Such items should be included in column (c) or (d) as appropriate.
3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative

- effect of such amounts.
4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

| Line No. | Account                                  | Balance Beginning of Year | Additions | Depreciation | Other Credits | Adjustments Transfers | Balance End of Year |
|----------|--|---------------------------|-----------|--------------|---------------|-----------------------|---------------------|
|          | (a)                                      | (b)                       | (c)       | (d)          | (e)           | (f)                   | (g)                 |
| 1        | 1. INTANGIBLE PLANT                      |                           |           |              |               |                       |                     |
| 2        |  |                           |           |              |               |                       |                     |
| 3        |  |                           |           |              |               |                       |                     |
| 4        |  |                           |           |              |               |                       |                     |
| 5        | 2. PRODUCTION PLANT                      | 0                         | 0         | 0            | 0             | 0                     | 0                   |
| 6        | A. Steam Production                      |                           |           |              |               |                       |                     |
| 7        | 310 Land and Land Rights                 |                           |           |              |               |                       |                     |
| 8        | 311 Structures and Improvements          |                           |           |              |               |                       |                     |
| 9        | 312 Boiler Plant Equipment               |                           |           |              |               |                       |                     |
| 10       | 313 Engines and Engine Driven Generators |                           |           |              |               |                       |                     |
| 11       | 314 Turbogenerator Units                 |                           |           |              |               |                       |                     |
| 12       | 315 Accessory Electric Equipment         |                           |           |              |               |                       |                     |
| 13       | 316 Miscellaneous Power Plant Equipment  |                           |           |              |               |                       |                     |
| 15       | Total Steam Production Plant             | 0                         | 0         | 0            | 0             | 0                     | 0                   |
| 16       | B. Nuclear Production Plant              |                           |           |              |               |                       |                     |
| 17       | 320 Land and Land Rights                 |                           |           |              |               |                       |                     |
| 18       | 321 Structures and Improvements          |                           |           |              |               |                       |                     |
| 19       | 322 Reactor Plant Equipment              |                           |           |              |               |                       |                     |
| 20       | 323 Turbogenerator Units                 |                           |           |              |               |                       |                     |
| 21       | 324 Accessory Electric Equipment         |                           |           |              |               |                       |                     |
| 22       | 325 Miscellaneous Power Plant Equipment  |                           |           |              |               |                       |                     |
| 23       | Total Nuclear Production Plant           | 0                         | 0         | 0            | 0             | 0                     | 0                   |

## UTILITY PLANT - ELECTRIC (Continued)

| Line No. | Account                                     | Balance Beginning of Year | Additions | Depreciation | Other Credits | Adjustments Transfers | Balance End of Year |
|----------|---|---------------------------|-----------|--------------|---------------|-----------------------|---------------------|
|          | (a)   | (b)                       | (c)       | (d)          | (e)           | (f)                   | (g)                 |
| 1        | <b>C. Hydraulic Production Plant</b>        |                           |           |              |               |                       |                     |
| 2        | 330 Land and Land Rights                    |                           |           |              |               |                       |                     |
| 3        | 331 Structures and Improvements             |                           |           |              |               |                       |                     |
| 4        | 332 Reservoirs, Dams and Waterways          |                           |           |              |               |                       |                     |
| 5        | 333 Water wheels, Turbines and Generators   |                           |           |              |               |                       |                     |
| 6        | 334 Accessory Electric Equipment            |                           |           |              |               |                       |                     |
| 7        | 335 Miscellaneous Power Plant Equipment     |                           |           |              |               |                       |                     |
| 8        | 336 Roads, Railroads and Bridges            |                           |           |              |               |                       |                     |
| 9        | <b>Total Hydraulic Production Plant</b>     | 0                         | 0         | 0            | 0             | 0                     | 0                   |
| 10       | <b>D. Other Production Plant</b>            |                           |           |              |               |                       |                     |
| 11       | 340 Land and Land Rights                    |                           |           |              |               |                       |                     |
| 12       | 341 Structures and Improvements             |                           |           |              |               |                       |                     |
| 13       | 342 Fuel Holders, Producers and Accessories |                           |           |              |               |                       |                     |
| 14       | 343 Prime Movers                            |                           |           |              |               |                       |                     |
| 15       | 344 Generators                              |                           |           |              |               |                       |                     |
| 16       | 345 Accessory Electric Equipment            |                           |           |              |               |                       |                     |
| 17       | 346 Miscellaneous Power Plant Equipment     |                           |           |              |               |                       |                     |
| 18       | <b>Total Other Production Plant</b>         | 0                         | 0         | 0            | 0             | 0                     | 0                   |
| 19       | <b>Total Production Plant</b>               | 0                         | 0         | 0            | 0             | 0                     | 0                   |
| 20       | <b>3. TRANSMISSION PLANT</b>                |                           |           |              |               |                       |                     |
| 21       | 350 Land and Land Rights                    |                           |           |              |               |                       |                     |
| 22       | 351 Clearing Land and Rights of Way         |                           |           |              |               |                       |                     |
| 23       | 352 Structures and Improvements             |                           |           |              |               |                       |                     |
| 24       | 353 Station Equipment                       |                           |           |              |               |                       |                     |
| 25       | 354 Towers and Fixtures                     |                           |           |              |               |                       |                     |
| 26       | 355 Poles and Fixtures                      |                           |           |              |               |                       |                     |
| 27       | 356 Overhead Conductors and Devices         |                           |           |              |               |                       |                     |
| 28       | 357 Underground Conduits                    |                           |           |              |               |                       |                     |
| 29       | 358 Underground Conductors and Devices      |                           |           |              |               |                       |                     |
| 30       | 359 Roads and Trails                        |                           |           |              |               |                       |                     |
| 31       | <b>Total Transmission Plant</b>             | 0                         | 0         | 0            | 0             | 0                     | 0                   |

## UTILITY PLANT - ELECTRIC (Continued)

| Line No. | Account                                | Balance Beginning of Year | Additions | Depreciation | Other Credits | Adjustments Transfers | Balance End of Year |
|----------|--|---------------------------|-----------|--------------|---------------|-----------------------|---------------------|
|          | (a)                                    | (b)                       | (c)       | (d)          | (e)           | (f)                   | (g)                 |
| 1        | <b>4. DISTRIBUTION PLANT</b>           |                           |           |              |               |                       |                     |
| 2        | 360 Land and Land Rights               |                           |           |              |               |                       |                     |
| 3        | 361 Structures and Improvements        |                           |           |              |               |                       |                     |
| 4        | 362 Station Equipment                  | 809,762                   | 64,647    | 181,768      |               |                       | 692,641             |
| 5        | 363 Storage Battery Equipment          |                           |           |              |               |                       |                     |
| 6        | 364 Poles, Towers and Fixtures         | 214,849                   | 113,131   | 70,996       |               |                       | 256,984             |
| 7        | 365 Overhead Conductors and Devices    | 1,807,528                 | 567,206   | 265,144      |               | 632,172               | 2,741,762           |
| 8        | 366 Underground Conduits               | 111,301                   | 125,076   | 97,264       |               |                       | 139,113             |
| 9        | 367 Underground Conductors & Devices   | 432,230                   | 136,255   | 84,265       |               | 172,051               | 656,271             |
| 10       | 368 Line Transformers                  | 26,385                    | 8,035     | 26,385       |               |                       | 8,035               |
| 11       | 369 Services                           | 4,853                     | 12,253    | 4,853        |               |                       | 12,253              |
| 12       | 370 Meters                             | 510,502                   | 554,600   | 54,683       |               |                       | 1,010,419           |
| 13       | 371 Installation on Cust's Premises    |                           |           |              |               |                       |                     |
| 14       | 372 Leased Prop. on Cust's Premises    | 131,359                   |           | 131,358      |               |                       | 1                   |
| 15       | 373 Street Light and Signal Systems    | 414,199                   | 21,067    | 25,313       |               |                       | 409,953             |
| 16       | <b>Total Distribution Plant</b>        | 4,462,968                 | 1,602,270 | 942,029      | 0             | 804,223               | 5,927,432           |
| 17       | <b>5. GENERAL PLANT</b>                |                           |           |              |               |                       |                     |
| 18       | 389 Land and Land rights               | 503,349                   |           |              |               |                       | 503,349             |
| 19       | 390 Structures and Improvements        | 42,553                    | 7,518     | 42,553       |               |                       | 7,518               |
| 20       | 391 Office Furniture and Equipment     | 16,739                    | 29,151    | 16,739       |               |                       | 29,151              |
| 21       | 392 Transportation Equipment           | 466,361                   | 141,831   | 208,445      |               |                       | 399,747             |
| 22       | 393 Stores Equipment                   |                           |           |              |               |                       |                     |
| 23       | 394 Tools, Shop and Garage Equipment   | 0                         | 0         |              |               |                       | 0                   |
| 24       | 395 Laboratory Equipment               |                           |           |              |               |                       |                     |
| 25       | 396 Power Operated Equipment           | 0                         |           |              |               |                       | 0                   |
| 26       | 397 Communication Equipment            | 1,050                     |           | 1,050        |               |                       | 0                   |
| 27       | 398 Miscellaneous Equipment            |                           |           |              |               |                       |                     |
| 28       | 399 Other Tangible Property            | 6,512,635                 | 3,119,716 | 204,609      |               | (804,223)             | 8,623,519           |
| 29       | <b>Total General Plant</b>             | 7,542,687                 | 3,298,216 | 473,396      | 0             | (804,223)             | 9,563,284           |
| 30       | <b>Total Electric Plant in Service</b> | 12,005,655                | 4,900,486 | 1,415,425    | 0             | 0                     | 15,490,716          |
| 31       | 104 Utility Plant leased to Others     |                           |           |              |               |                       |                     |
| 32       | 105 Property Held for Future Use       |                           |           |              |               |                       |                     |
| 33       | 107 Construction Work in Progress      |                           |           |              |               |                       |                     |
| 34       | 108 Accumulated Depreciation           |                           |           |              |               |                       |                     |
| 34       | <b>Total Utility Electric Plant</b>    | 12,005,655                | 4,900,486 | 1,415,425    | 0             | 0                     | 15,490,716          |

## MISCELLANEOUS NON-OPERATING INCOME (Account 421)

| Line No. | Item  | Amount |
|----------|---|--------|
|          | (a)   | (b)    |
| 1        | Gain on disposition of property and equipment | 67,759 |
| 2        |   |        |
| 4        |   |        |
| 5        |   |        |
| 6        |   |        |
|          | Total   | 67,759 |

## OTHER INCOME DEDUCTIONS (Account 426)

| Line No. | Item  | Amount |
|----------|-------|--------|
|          | (a)   | (b)    |
| 7        |       | 0      |
| 8        |       |        |
| 9        |       |        |
| 11       |       |        |
| 12       |       |        |
| 13       |       |        |
| 14       |       |        |
|          | Total | 0      |

## MISCELLANEOUS CREDITS TO SURPLUS (Account 434)

| Line No. | Item  | Amount |
|----------|-------|--------|
|          | (a)   | (b)    |
| 15       |       | 0      |
| 16       |       |        |
| 17       |       |        |
| 19       |       |        |
| 21       |       |        |
| 22       |       |        |
| 23       |       |        |
|          | Total | 0      |

## MISCELLANEOUS DEBITS TO SURPLUS (Account 435)

| Line No. | Item                                       | Amount  |
|----------|--|---------|
|          | (a)  | (b)     |
| 24       | Operating Transfer to Town of South Hadley | 180,000 |
| 25       |  |         |
| 26       |  |         |
| 27       |  |         |
| 29       |  |         |
| 30       |  |         |
| 31       |  |         |
| 32       |  |         |
|          | Total                                      | 180,000 |

## APPROPRIATIONS OF SURPLUS (Account 436)

| Line No. | Item  | Amount |
|----------|-------|--------|
|          | (a)   | (b)    |
| 33       |       | 0      |
| 34       |       |        |
| 36       |       |        |
| 37       |       |        |
| 38       |       |        |
| 39       |       |        |
| 40       |       |        |
|          | Total | 0      |

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2022

**MUNICIPAL REVENUES (Accounts 482,444)**  
**(K.W.H. Sold under the Provision of Chapter 269, Acts of 1927)**

| Line No. |     | Electric Schedule                       | K.W.H.    | Revenue Received | Average Revenue per K.W.H. (cents) [0.0000] |
|----------|-----|---|-----------|------------------|---|
|          |     | (a)                                     | (b)       | (c)              | (d)   |
| 3        | 444 | Municipal: (Other Than Street Lighting) | 5,384,751 | 768,174          | 14.2657                                     |
| 4        |     |   |           |                  |   |
| 5        |     |   |           |                  |   |
| 6        |     | Totals                                  | 5,384,751 | 768,174          | 14.2657                                     |
| 7        |     |   |           |                  |   |
| 8        |     | Street Lighting                         | 546,840   | 86,621           | 15.8403                                     |
| 9        |     |   |           |                  |   |
| 10       |     | Totals                                  | 546,840   | 86,621           | 15.8403                                     |
| 11       |     |   |           |                  |   |
| 12       |     | Totals                                  | 5,931,591 | 854,795          | 14.4109                                     |

**PURCHASED POWER (Account 555)**

| Line No. | Names of Utilities from which Electric Energy is Purchased | Where and at What Voltage Received | K.W.H.     | Amount    | Cost per K.W.H. (cents) [0.0000] |
|----------|--|------------------------------------|------------|-----------|----------------------------------|
|          | (a)  | (b)                                | (c)        | (d)       | (e)                              |
| 13       | New York Power Authority                                   | Pine Shed 115 KV                   | 6,456,550  | 82,352    | 1.2755                           |
| 14       | Millstone 3  | Pine Shed 115 KV                   | 47,355,827 | 1,943,672 | 4.1044                           |
| 15       | Seabrook 4 & 5   | Pine Shed 115 KV                   | 32,533,227 | 990,435   | 3.0444                           |
| 16       | 2015A  | Pine Shed 115 KV                   |            | 279,850   |                                  |
| 17       | HYDROQUEBEC  | Pine Shed 115 KV                   | 438,000    | 16,863    | 3.8500                           |
| 18       | SSGS   | Pine Shed 115 KV                   | 102,427    | 5,984     | 5.8422                           |
| 19       | NXTRA  | Pine Shed 115 KV                   | 404,800    | 24,086    | 5.9501                           |
| 20       | SHELL  | Pine Shed 115 KV                   | 5,284,000  | 529,336   | 10.0177                          |
| 21       |  |                                    |            |           |                                  |
| 22       |  |                                    |            |           |                                  |
| 23       |  |                                    |            |           |                                  |
| 24       |  |                                    |            |           |                                  |
|          |  | Totals                             | 92,574,831 | 3,872,578 | 4.1832                           |

**SALES FOR RESALE (Account 447)**

| Line No. | Names of Utilities to which Electric Energy is Sold | Voltage Received Where and at What Voltage Received | K.W.H. | Amount | Revenues per K.W.H. [cents] [0.0000] |
|----------|---|---|--------|--------|--------------------------------------|
|          | (a)   | (b)   | (c)    | (c)    | (e)                                  |
| 1        |   |   |        |        |                                      |
| 2        |   | Totals  |        |        |                                      |

**ELECTRIC OPERATING REVENUES (Account 400)**

1. Report below the amount of Operating Revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.
2. If increases and decreases are not derived from previously reported figures explain any inconsistencies.
3. Number of customers should be reported on the basis of number of meters, plus number of flat rate accounts, except that where separate meter readings are added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.
4. Unmetered sales should be included below. The details of such sales should be given in a footnote.
5. Classification of Commercial and Industrial Sales, Account 442, according to small (or Commercial) and Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 Kw of demand. See Account 442 of the Uniform System of Accounts. Explain basis of classification.

|          |  | Operating Revenues |  | Kilowatt-hours Sold |  | Average Number of Customers per Month |  |
|----------|--|--------------------|--|---------------------|--|---------------------------------------|--|
| Line No. | Account                                  | Amount for Year    | Increase or (Decrease) from Preceding Year | Amount for Year     | Increase or (Decrease) from Preceding Year | Number for Year                       | Increase or (Decrease) from Preceding Year |
|          | (a)                                      | (b)                | (c)  | (d)                 | (e)  | (f)                                   | (g)  |
| 1        | <b>SALES OF ELECTRICITY</b>              |                    |  |                     |  |                                       |  |
| 2        | 440 Residential Sales                    | 9,033,394          | (845,852)                                  | 59,492,202          | (2,861,641)                                | 7,107                                 | (11)                                       |
| 3        | 442 Commercial and Industrial Sales:     |                    |  |                     |  |                                       |  |
| 4        | Small (or Commercial) see instr. 5       | 2,521,417          | (278,884)                                  | 16,048,570          | (801,638)                                  | 783                                   | (5)  |
| 5        | Large (or Industrial) see instr. 5       | 3,297,087          | (240,115)                                  | 26,019,610          | 249,280                                    | 9                                     | (1)  |
| 6        | 444 Municipal Sales (P.22)               | 854,795            | (85,400)                                   | 5,931,591           | (241,425)                                  | 50                                    | (6)  |
| 7        | 445 Other Sales to Public Authorities    |                    |  |                     |  |                                       |  |
| 8        | 446 Sales to Railroads and Railways      |                    |  |                     |  |                                       |  |
| 10       | 449 Miscellaneous Electric Sales         | 62,177             | (4,840)                                    | 248,453             | (18,333)                                   | 106                                   | (2)  |
| 11       | <b>Total Sales to Ultimate Consumers</b> | 15,768,870         | (1,455,091)                                | 107,740,426         | (3,673,757)                                | 8,055                                 | (25)                                       |
| 12       | 447 Sales for Resale                     | 0                  | 0  |                     | 0  | 0                                     |  |
| 13       | <b>Total Sales of Electricity*</b>       | 15,768,870         | (1,455,091)                                | 107,740,426         | (3,673,757)                                | 8,055                                 | (25)                                       |
| 14       | <b>OTHER OPERATING REVENUES</b>          |                    |  |                     |  |                                       |  |
| 15       | 450 Forfeited Discounts                  |                    |  |                     |  |                                       |  |
| 16       | 451 Miscellaneous Service Revenues       | 3,551,153          | 1,806,061                                  |                     |  |                                       |  |
| 17       | 453 Sales of Water and Water Power       |                    |  |                     |  |                                       |  |
| 18       | 454 Rent from Electric Property          |                    |  |                     |  |                                       |  |
| 19       | 455 Interdepartmental Rents              |                    |  |                     |  |                                       |  |
| 20       | 456 Other Electric Revenues              | 196,757            | 149,053                                    |                     |  |                                       |  |
| 24       |  |                    |  |                     |  |                                       |  |
| 25       | Total Other Operating Revenues.....      | 3,747,910          | 1,955,114                                  |                     |  |                                       |  |
| 26       | Total Electric Operating Revenues.       | 19,516,780         | 500,023                                    |                     |  |                                       |  |

\*Includes increases from application of fuel clauses 462,760

Total KWH to which applied 107,193,586

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2022

## SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

Report by account number the K.W.H. sold, the amount derived and the number of customers under each filed schedule or contract. Municipal sales and unbilled sales may be reported separately in total.

| Line No. | Acct No.                      | Schedule                  | K.W.H.      | Revenue    | Average Revenue per K.W.H. (cents) *(0.0000) | Number of Customers (per Bills Rendered) |             |
|----------|-------------------------------|---------------------------|-------------|------------|--|--|-------------|
|          |                               |                           |             |            |  | July 31                                  | December 31 |
|          |                               |                           |             |            |  | (e)                                      | (f)         |
| 1        | 440                           | Residential - General     | 46,809,378  | 7,173,235  | 15.3244                                      | N/A                                      | 5,945       |
| 2        |                               | Residential - Heating     | 12,682,824  | 1,860,159  | 14.6668                                      | N/A                                      | 1,162       |
| 3        | 442                           | Commercial - Small        | 16,048,570  | 2,521,417  | 15.7112                                      | N/A                                      | 783         |
| 4        |                               | Industrial                | 26,019,610  | 3,297,087  | 12.6715                                      | N/A                                      | 9           |
| 5        | 444                           | Municipal - General       | 5,384,751   | 768,174    | 14.2657                                      | N/A                                      | 49          |
| 6        |                               | Municipal - Street Lights | 546,840     | 86,621     | 15.8403                                      | N/A                                      | 1           |
| 7        | 449                           | Miscellaneous             | 248,453     | 62,177     | 25.0257                                      | N/A                                      | 106         |
| 8        |                               |                           |             |            |  |  |             |
| 9        |                               |                           |             |            |  |  |             |
| 10       |                               |                           |             |            |  |  |             |
| 11       |                               |                           |             |            |  |  |             |
| 12       |                               |                           |             |            |  |  |             |
| 13       |                               |                           |             |            |  |  |             |
| 14       |                               |                           |             |            |  |  |             |
| 15       |                               |                           |             |            |  |  |             |
| 16       |                               |                           |             |            |  |  |             |
| 17       |                               |                           |             |            |  |  |             |
| 18       |                               |                           |             |            |  |  |             |
| 19       |                               |                           |             |            |  |  |             |
| 20       |                               |                           |             |            |  |  |             |
| 21       |                               |                           |             |            |  |  |             |
| 22       |                               |                           |             |            |  |  |             |
| 23       |                               |                           |             |            |  |  |             |
| 24       |                               |                           |             |            |  |  |             |
| 25       |                               |                           |             |            |  |  |             |
| 26       |                               |                           |             |            |  |  |             |
| 27       |                               |                           |             |            |  |  |             |
| 28       |                               |                           |             |            |  |  |             |
| 29       |                               |                           |             |            |  |  |             |
| 30       |                               |                           |             |            |  |  |             |
| 31       |                               |                           |             |            |  |  |             |
| 32       |                               |                           |             |            |  |  |             |
| 33       |                               |                           |             |            |  |  |             |
| 34       |                               |                           |             |            |  |  |             |
| 35       |                               |                           |             |            |  |  |             |
| 36       |                               |                           |             |            |  |  |             |
| 37       |                               |                           |             |            |  |  |             |
| 38       |                               |                           |             |            |  |  |             |
| 39       |                               |                           |             |            |  |  |             |
| 40       |                               |                           |             |            |  |  |             |
| 41       |                               |                           |             |            |  |  |             |
| 42       | Total Sales to Ultimate       |                           |             |            |  |  |             |
| 43       | Consumers ( Page 37 Line 11 ) |                           | 107,740,426 | 15,768,870 | 14.6360                                      | N/A                                      | 8,055       |

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2022

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

1. Enter in the space provided the operation and maintenance expenses for the year.

2. If the increases and decreases are not divided from previously reported figures explain in footnote.

| Line No. | Account  | Amount for Year | Increase or (Decrease) from Preceding Year |
|----------|--|-----------------|--|
|          | (a)  | (b)             | (c)  |
| 1        | <b>POWER PRODUCTION EXPENSE</b>                        |                 |  |
| 2        | <b>STEAM POWER GENERATION</b>                          |                 |  |
| 3        | <b>Operation:</b>                                      |                 |  |
| 4        | 500 Operation supervision and engineering              |                 |  |
| 5        | 501 Fuel   |                 |  |
| 6        | 502 Steam expense                                      |                 |  |
| 7        | 503 Steam from other sources                           |                 |  |
| 8        | 504 Steam transferred - Cr                             |                 |  |
| 9        | 505 Electric expenses                                  |                 |  |
| 10       | 506 Miscellaneous steam power expenses                 |                 |  |
| 12       | <b>Total Operation</b>                                 | 0               | 0  |
| 13       | <b>Maintenance:</b>                                    |                 |  |
| 14       | 510 Maintenance supervision and engineering            |                 |  |
| 15       | 511 Maintenance of structures                          |                 |  |
| 16       | 512 Maintenance of boiler plant                        |                 |  |
| 17       | 513 Maintenance of electric plant                      |                 |  |
| 18       | 514 Maintenance of miscellaneous steam plant           |                 |  |
| 19       | <b>Total Maintenance</b>                               | 0               | 0  |
| 20       | <b>Total power production expenses - steam power</b>   | 0               | 0  |
| 21       | <b>NUCLEAR POWER GENERATION</b>                        |                 |  |
| 22       | <b>Operation:</b>                                      |                 |  |
| 23       | 517 Operation supervision and engineering              |                 |  |
| 24       | 518 Fuel   |                 |  |
| 25       | 519 Coolants and water                                 |                 |  |
| 26       | 520 Steam expense                                      |                 |  |
| 27       | 521 Steam from other sources                           |                 |  |
| 28       | 522 Steam transferred - Cr                             |                 |  |
| 29       | 523 Electric expenses                                  |                 |  |
| 30       | 524 Miscellaneous nuclear power expenses               |                 |  |
| 32       | <b>Total Operation</b>                                 | 0               | 0  |
| 33       | <b>Maintenance:</b>                                    |                 |  |
| 34       | 528 Maintenance supervision and engineering            |                 |  |
| 35       | 529 Maintenance of structures                          |                 |  |
| 36       | 530 Maintenance of reactor plant equipment             |                 |  |
| 37       | 531 Maintenance of electric plant                      |                 |  |
| 38       | 532 Maintenance of miscellaneous nuclear plant         |                 |  |
| 39       | <b>Total Maintenance</b>                               | 0               | 0  |
| 40       | <b>Total power production expenses - nuclear power</b> | 0               | 0  |
| 41       | <b>HYDRAULIC POWER GENERATION</b>                      |                 |  |
| 42       | <b>Operation:</b>                                      |                 |  |
| 43       | 535 Operation supervision and engineering              |                 |  |
| 44       | 536 Water for power                                    |                 |  |
| 45       | 537 Hydraulic expenses                                 |                 |  |
| 46       | 538 Electric expenses                                  |                 |  |
| 47       | 539 Miscellaneous hydraulic power generation expenses  |                 |  |
| 48       | 540 Rents  |                 |  |
| 49       | <b>Total Operation</b>                                 | 0               | 0  |

(continued on page 40)

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES (Continued)

| Line No. | Account   | Amount for Year | Increase or (Decrease) from Preceding Year |
|----------|---|-----------------|--|
|          | (a)   | (b)             | (c)  |
| 1        | <b>HYDRAULIC POWER GENERATION - CONTINUED</b>                 |                 |  |
| 2        | <b>Maintenance:</b>   |                 |  |
| 3        | 541 Maintenance Supervision and Engineering                   |                 |  |
| 4        | 542 Maintenance of Structures                                 |                 |  |
| 5        | 543 Maintenance of Reservoirs, Dams and Waterways             |                 |  |
| 6        | 544 Maintenance of Electric Plant                             |                 |  |
| 7        | 545 Maintenance of Miscellaneous Hydraulic Plant              |                 |  |
| 8        | <b>Total Maintenance</b>                                      | 0               | 0  |
| 9        | <b>Total Power Production Expenses - Hydraulic Power</b>      | 0               | 0  |
| 10       | <b>OTHER POWER GENERATION</b>                                 |                 |  |
| 11       | <b>Operation:</b>   |                 |  |
| 12       | 546 Operation Supervision and Engineering                     |                 |  |
| 13       | 547 Fuel  |                 |  |
| 14       | 548 Operation Expenses  |                 |  |
| 15       | 549 Miscellaneous Other Power Generation Expenses             |                 |  |
| 17       | <b>Total Operation</b>  | 0               | 0  |
| 18       | <b>Maintenance:</b>   |                 |  |
| 19       | 551 Maintenance Supervision and Engineering                   |                 |  |
| 20       | 552 Maintenance of Structure                                  |                 |  |
| 21       | 553 Maintenance of Generating and Electric Plant              |                 |  |
| 22       | 554 Maintenance of Miscellaneous Other Power Generation Plant |                 |  |
| 23       | <b>Total Maintenance</b>                                      | 0               | 0  |
| 24       | <b>Total Power Production Expenses - Other Power</b>          | 0               | 0  |
| 25       | <b>OTHER POWER SUPPLY EXPENSES</b>                            |                 |  |
| 26       | 555 Purchased Power   | 6,734,236       | (562,008)                                  |
| 27       | 556 System Control and Load Dispatching                       |                 |  |
| 28       | 557 Other Expenses  | 446,293         | 111,196                                    |
| 29       | <b>Total Other Power Supply Expenses</b>                      | 7,180,529       | (450,812)                                  |
| 30       | <b>Total Power Production Expenses</b>                        | 7,180,529       | (450,812)                                  |
| 31       | <b>TRANSMISSION EXPENSES</b>                                  |                 |  |
| 32       | <b>Operation:</b>   |                 |  |
| 33       | 560 Operation Supervision and Engineering                     |                 |  |
| 34       | 561 Load Dispatching  |                 |  |
| 35       | 562 Station Expenses  |                 |  |
| 36       | 563 Overhead Line Expenses                                    |                 |  |
| 37       | 564 Underground Line Expenses                                 |                 |  |
| 38       | 565 Transmission of Electricity by Others                     | 2,777,236       | (214,902)                                  |
| 39       | 566 Miscellaneous Transmission Expenses                       |                 |  |
| 41       | <b>Total Operation</b>  | 2,777,236       | (214,902)                                  |
| 42       | <b>Maintenance:</b>   |                 |  |
| 43       | 568 Maintenance Supervision and Engineering                   |                 |  |
| 44       | 569 Maintenance of Structures                                 |                 |  |
| 45       | 570 Maintenance of Station Equipment                          |                 |  |
| 46       | 571 Maintenance of Overhead Lines                             |                 |  |
| 47       | 572 Maintenance of Underground Lines                          |                 |  |
| 48       | 573 Maintenance of Miscellaneous Transmission Plant           |                 |  |
| 49       | <b>Total Maintenance</b>                                      | 0               | 0  |
| 50       | <b>Total Transmission Expenses</b>                            | 2,777,236       | (214,902)                                  |

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES (Continued)

| Line No. | Account   | Amount for Year | Increase or (Decrease) from Preceding Year |
|----------|---|-----------------|--|
|          | (a)   | (b)             | (c)  |
| 1        | <b>DISTRIBUTION EXPENSES</b>                          |                 |  |
| 2        | <b>Operation:</b>                                     |                 |  |
| 3        | 580 Operation Supervision and Engineering             | 22,062          | 693  |
| 4        | 581 Load Dispatching                                  |                 |  |
| 5        | 582 Station Expenses                                  | 9,681           | 8,837                                      |
| 6        | 583 Overhead Line Expenses                            | 636,329         | 68,112                                     |
| 7        | 584 Underground Line Expenses                         | 49,937          | 24,753                                     |
| 8        | 585 Street Lighting and Signal System Expenses        | 233             | 54   |
| 9        | 586 Meter Expenses                                    | 11,273          | 352  |
| 10       | 587 Customer Installations Expenses                   | 3,570           | (15,508)                                   |
| 11       | 588 Miscellaneous Distribution Expenses               | 399,045         | 2,880                                      |
| 13       | <b>Total Operation</b>                                | 1,132,130       | 90,173                                     |
| 14       | <b>Maintenance:</b>                                   |                 |  |
| 15       | 590 Maintenance supervision and engineering           | 113,981         | (14,373)                                   |
| 16       | 591 Maintenance of Structures                         |                 |  |
| 17       | 592 Maintenance of Station Equipment                  | 39,318          | 5,524                                      |
| 18       | 593 Maintenance of Overhead Lines                     | 124,407         | 18,948                                     |
| 19       | 594 Maintenance of Underground Lines                  | 51,439          | (22,361)                                   |
| 20       | 595 Maintenance of Line Transformers                  | 441             | (12,287)                                   |
| 21       | 596 Maintenance of Street Lighting and Signal Systems | 10,683          | 1,743                                      |
| 22       | 597 Maintenance of Meters                             | 1,050           | 250  |
| 23       | 598 Maintenance of Miscellaneous Distribution Plant   | 4,527           | 3,632                                      |
| 24       | <b>Total Maintenance</b>                              | 345,846         | (18,923)                                   |
| 25       | <b>Total Distribution Expenses</b>                    | 1,477,976       | 71,250                                     |
| 26       | <b>CUSTOMER ACCOUNTS EXPENSES</b>                     |                 |  |
| 27       | <b>Operation:</b>                                     |                 |  |
| 28       | 901 Supervision                                       |                 |  |
| 29       | 902 Meter Reading Expenses                            | 12,769          | (689)                                      |
| 30       | 903 Customer Records and Collection Expenses          | 628,523         | (11,559)                                   |
| 31       | 904 Uncollectable Accounts                            | 36,857          | 13,933                                     |
| 32       | 905 Miscellaneous Customer Accounts Expenses          |                 |  |
| 33       | <b>Total Customer Accounts Expenses</b>               | 678,149         | 1,686                                      |
| 34       | <b>SALES EXPENSES</b>                                 |                 |  |
| 35       | <b>Operation:</b>                                     |                 |  |
| 36       | 911 Supervision                                       |                 |  |
| 37       | 912 Demonstrating and Selling Expenses                |                 |  |
| 38       | 913 Advertising Expenses                              | 134,445         | 14,173                                     |
| 39       | 916 Miscellaneous Sales Expense                       |                 |  |
| 40       | <b>Total Sales Expenses</b>                           | 134,445         | 14,173                                     |
| 41       | <b>ADMINISTRATIVE AND GENERAL EXPENSES</b>            |                 |  |
| 42       | <b>Operation:</b>                                     |                 |  |
| 43       | 920 Administrative and General Salaries               | 1,259,185       | 241,184                                    |
| 44       | 921 Office Supplies and Expenses                      | 1,912,489       | 1,088,605                                  |
| 46       | 923 Outside Services Employed                         | 161,667         | (15,230)                                   |
| 47       | 924 Property Insurance                                | 172,321         | 30,948                                     |
| 48       | 925 Injuries and Damages                              | 8,309           | (11,149)                                   |
| 49       | 926 Employees Pensions and Benefits                   | 1,180,853       | 754,591                                    |
| 52       | 930 Miscellaneous General Expenses                    | 256,225         | 50,027                                     |
| 54       | <b>Total Operation</b>                                | 4,951,049       | 2,138,976                                  |

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2022

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES (Continued)

| Line No. | Account  | Amount for Year | Increase or (Decrease) from Preceding Year |
|----------|--|-----------------|--|
|          | (a)  | (b)             | (c)  |
| 1        | <b>ADMINISTRATIVE EXPENSES</b>                           |                 |  |
| 2        | <b>Maintenance:</b>                                      |                 |  |
| 3        | 932 Maintenance of General Plant                         | 151,257         | (16,703)                                   |
| 4        | 933 Transportation expense                               | 85,484          | 23,943                                     |
| 5        | <b>Total Maintenance</b>                                 | 236,741         | 7,239                                      |
| 6        | <b>Total Administrative and General Expenses</b>         | 5,187,790       | 2,146,216                                  |
| 7        | <b>Total Electric Operation and Maintenance Expenses</b> | 17,436,125      | 1,567,611                                  |

## SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

| Line No. | Functional Classification                                | OPERATION  | MAINTENANCE | TOTAL      |
|----------|--|------------|-------------|------------|
|          | (a)  | (b)        | (c)         | (d)        |
| 8        | <b>Power Production Expenses</b>                         |            |             |            |
| 9        | Electric Generation                                      |            |             |            |
| 10       | Steam Power  |            |             |            |
| 11       | Nuclear Power  |            |             |            |
| 12       | Hydraulic Power  |            |             |            |
| 13       | Other Power  |            |             |            |
| 14       | Other Power Supply Expenses                              | 7,180,529  |             | 7,180,529  |
| 15       | <b>Total Power Production Expenses</b>                   | 7,180,529  |             | 7,180,529  |
| 16       | Transmission Expenses                                    | 2,777,236  |             | 2,777,236  |
| 17       | Distribution Expenses                                    | 1,132,130  | 345,846     | 1,477,976  |
| 18       | Customer Accounts Expenses                               | 678,149    |             | 678,149    |
| 19       | Sales Expenses   | 134,445    |             | 134,445    |
| 20       | Administrative and General Expenses                      | 4,951,049  | 236,741     | 5,187,790  |
| 21       | Power Production Expenses                                |            |             |            |
| 22       | <b>Total Electric Operation and Maintenance Expenses</b> | 16,853,538 | 582,587     | 17,436,125 |

- 23 Ratio of Operating Expenses to Operating Revenues (carry out decimal two places, (e.g. 0.00% )  
 Compute by dividing Revenues (acct 400) into the sum of Operation and Maintenance Expenses (Page 42,  
 Line 22 (d), Depreciation (Acct 403) and Amortization (Acct 407) 96.59%
- 24 Total salaries and wages of electric department for year, including amounts charged to operating  
 expenses, construction and other accounts 3,107,739
- 25 Total number of employees of electric department at end of year including administrative,  
 operating, maintenance and other employees (including part time employees) 27

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2022

## INCOME FROM MERCHANDISE, JOBBING AND CONTRACT WORK (Account 415)

Report by utility departments the revenues, costs, expenses, and net income from merchandising, jobbing, and contract work during year.

| Line No. | Item                                   | Electric Department | Gas Department | Other Utility Department | Total |
|----------|--|---------------------|----------------|--------------------------|-------|
|          | (a)                                    | (c)                 | (d)            | (d)                      | (e)   |
| 1        | <b>Revenues:</b>                       |                     |                |                          |       |
| 2        | Merchandising sales, less discounts,   |                     |                |                          |       |
| 3        | allowances and returns                 |                     |                |                          |       |
| 4        | Contract Work                          |                     |                |                          |       |
| 5        | Commissions                            |                     |                |                          |       |
| 6        | Other(List according to major classes) |                     |                |                          |       |
| 7        |  |                     |                |                          |       |
| 8        |  |                     |                |                          |       |
| 9        |  |                     |                |                          |       |
| 10       | <b>Total Revenues</b>                  | 0                   | 0              | 0                        | 0     |
| 11       |  |                     |                |                          |       |
| 12       |  |                     |                |                          |       |
| 13       | <b>Costs and Expenses:</b>             |                     |                |                          |       |
| 14       | Cost of Sales (List according to Major |                     |                |                          |       |
| 15       | classes of cost)                       |                     |                |                          |       |
| 16       |  |                     |                |                          |       |
| 17       | Labor                                  |                     |                |                          |       |
| 18       | Materials                              |                     |                |                          |       |
| 19       |  |                     |                |                          |       |
| 20       |  |                     |                |                          |       |
| 21       |  |                     |                |                          |       |
| 22       |  |                     |                |                          |       |
| 23       |  |                     |                |                          |       |
| 24       |  |                     |                |                          |       |
| 25       |  |                     |                |                          |       |
| 26       | Sales expenses                         |                     |                |                          |       |
| 27       | Customer accounts expenses             |                     |                |                          |       |
| 28       | Administrative and general expenses    |                     |                |                          |       |
| 29       |  |                     |                |                          |       |
| 30       |  |                     |                |                          |       |
| 31       |  |                     |                |                          |       |
| 32       |  |                     |                |                          |       |
| 33       |  |                     |                |                          |       |
| 34       |  |                     |                |                          |       |
| 35       |  |                     |                |                          |       |
| 36       |  |                     |                |                          |       |
| 37       |  |                     |                |                          |       |
| 38       |  |                     |                |                          |       |
| 39       |  |                     |                |                          |       |
| 40       |  |                     |                |                          |       |
| 41       |  |                     |                |                          |       |
| 42       |  |                     |                |                          |       |
| 43       |  |                     |                |                          |       |
| 44       |  |                     |                |                          |       |
| 45       | <b>Total Costs and Expenses</b>        | 0                   | 0              | 0                        | 0     |
| 46       | <b>Net Profit (or Loss)</b>            | 0                   | 0              | 0                        | 0     |

## SALES FOR RESALE (Account 447)

1. Report sales during year to other electric utilities and to cities or other public authorities for distribution to ultimate consumers.
2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) other public authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other G,
- and place an "x" in column (c) if sale involves export across a state line.
3. Report separately firm, dump, and other power sold to the same utility. Describe the nature of any sales classified as other power, column (b).
4. If delivery is made at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; customer owned or leased, CS.

| Line No. | Sales to | Statistical Classification | Export Across State Lines | Point of Delivery | Substation | Kw or Kva of Demand<br>(Specify which) |                                |                       |
|----------|----------|----------------------------|---------------------------|-------------------|------------|--|--------------------------------|-----------------------|
|          |          |                            |                           |                   |            | Contract Demand                        | Average Monthly Maximum Demand | Annual Maximum Demand |
|          | (a)      | (b)                        | (c)                       | (d)               | (e)        | (f)                                    | (g)                            | (h)                   |
| 1        |          |                            |                           |                   |            |  |                                |                       |
| 2        |          |                            |                           |                   |            |  |                                |                       |
| 3        |          |                            |                           |                   |            |  |                                |                       |
| 4        |          |                            |                           |                   |            |  |                                |                       |
| 5        |          |                            |                           |                   |            |  |                                |                       |
| 6        |          |                            |                           |                   |            |  |                                |                       |
| 7        |          |                            |                           |                   |            |  |                                |                       |
| 8        |          |                            |                           |                   |            |  |                                |                       |
| 9        |          |                            |                           |                   |            |  |                                |                       |
| 10       |          |                            |                           |                   |            |  |                                |                       |
| 11       |          |                            |                           |                   |            |  |                                |                       |
| 12       |          |                            |                           |                   |            |  |                                |                       |
| 13       |          |                            |                           |                   |            |  |                                |                       |
| 14       |          |                            |                           |                   |            |  |                                |                       |
| 15       |          |                            |                           |                   |            |  |                                |                       |
| 16       |          |                            |                           |                   |            |  |                                |                       |
| 17       |          |                            |                           |                   |            |  |                                |                       |
| 18       |          |                            |                           |                   |            |  |                                |                       |
| 19       |          |                            |                           |                   |            |  |                                |                       |
| 20       |          |                            |                           |                   |            |  |                                |                       |
| 21       |          |                            |                           |                   |            |  |                                |                       |
| 22       |          |                            |                           |                   |            |  |                                |                       |
| 23       |          |                            |                           |                   |            |  |                                |                       |
| 24       |          |                            |                           |                   |            |  |                                |                       |
| 25       |          |                            |                           |                   |            |  |                                |                       |
| 26       |          |                            |                           |                   |            |  |                                |                       |
| 27       |          |                            |                           |                   |            |  |                                |                       |
| 28       |          |                            |                           |                   |            |  |                                |                       |
| 29       |          |                            |                           |                   |            |  |                                |                       |
| 30       |          |                            |                           |                   |            |  |                                |                       |
| 31       |          |                            |                           |                   |            |  |                                |                       |

## SALES FOR RESALE (Account 447) (Continued)

5 If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billings to the customer this number should be shown in column (f).. The number of kilowatts of maximum demand to be shown in column (g) and (h) should be actual based on monthly readings and should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).

6. The number of Kilowatt-hours sold should be the quantities shown by the bills rendered to the purchasers.

7. Explain any amounts entered in column (n) such as fuel or other adjustments.

8. If a contract covers several points of delivery and small amounts of electric energy are delivered at each point, such sale may be grouped.

| Type of Demand Reading | Voltage at which Delivered | Kilowatt-Hours | Revenue (Omit Cents) |                |               |       | Revenue per Kwh (cents) [0.0000] | Line No. |
|------------------------|----------------------------|----------------|----------------------|----------------|---------------|-------|----------------------------------|----------|
|                        |                            |                | Demand Charges       | Energy Charges | Other Charges | Total |                                  |          |
| (i)                    | (j)                        | (k)            | (l)                  | (m)            | (n)           | (o)   | (p)                              |          |
|                        |                            |                |                      |                |               |       |                                  | 1        |
|                        |                            |                |                      |                |               |       |                                  | 2        |
|                        |                            |                |                      |                |               |       |                                  | 3        |
|                        |                            |                |                      |                |               |       |                                  | 4        |
|                        |                            |                |                      |                |               |       |                                  | 5        |
|                        |                            |                |                      |                |               |       |                                  | 6        |
|                        |                            |                |                      |                |               |       |                                  | 7        |
|                        |                            |                |                      |                |               |       |                                  | 8        |
|                        |                            |                |                      |                |               |       |                                  | 9        |
|                        |                            |                |                      |                |               |       |                                  | 10       |
|                        |                            |                |                      |                |               |       |                                  | 11       |
|                        |                            |                |                      |                |               |       |                                  | 12       |
|                        |                            |                |                      |                |               |       |                                  | 13       |
|                        |                            |                |                      |                |               |       |                                  | 14       |
|                        |                            |                |                      |                |               |       |                                  | 15       |
|                        |                            |                |                      |                |               |       |                                  | 16       |
|                        |                            |                |                      |                |               |       |                                  | 17       |
|                        |                            |                |                      |                |               |       |                                  | 18       |
|                        |                            |                |                      |                |               |       |                                  | 19       |
|                        |                            |                |                      |                |               |       |                                  | 20       |
|                        |                            |                |                      |                |               |       |                                  | 21       |
|                        |                            |                |                      |                |               |       |                                  | 22       |
|                        |                            |                |                      |                |               |       |                                  | 23       |
|                        |                            |                |                      |                |               |       |                                  | 24       |
|                        |                            |                |                      |                |               |       |                                  | 25       |
|                        |                            |                |                      |                |               |       |                                  | 26       |
|                        |                            |                |                      |                |               |       |                                  | 27       |
|                        |                            |                |                      |                |               |       |                                  | 28       |
|                        |                            |                |                      |                |               |       |                                  | 29       |
|                        |                            |                |                      |                |               |       |                                  | 30       |
|                        | Totals                     | 0              | 0                    | 0              | 0             | 0     | 0.0000                           | 31       |

## PURCHASED POWER (Account 555)

1. Report power purchased for resale during the year. Exclude from this schedule and report on page 56 particulars concerning interchange power transactions during the year.
2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each purchase designate statistical classification in column (b), thus: firm power, FP; dump or surplus power DP; other, O, and place an "X" in column (c) if purchase involves import across a state line.
3. Report separately firm, dump, and other power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).

| Line No. | Purchased From           | Statistical Classification | Import Across State Lines | Point of Receipt | Substation | Kw or Kva Demand (Specify Which) |                                |                       |
|----------|--------------------------|----------------------------|---------------------------|------------------|------------|----------------------------------|--------------------------------|-----------------------|
|          |                          |                            |                           |                  |            | Contract Demand                  | Average Monthly Maximum Demand | Annual Maximum Demand |
|          | (a)                      | (b)                        | (c)                       | (d)              | (e)        | (f)                              | (g)                            | (h)                   |
| 1        | New York Power Authority | FP                         | X                         | Pine Shed        | RS         | 1,028                            |                                |                       |
| 2        | Millstone 3              | O                          | X                         | Pine Shed        | RS         | 7,100                            |                                |                       |
| 3        | Seabrook 4 & 5           | O                          | X                         | Pine Shed        | RS         | 4,265                            |                                |                       |
| 4        | 2015A                    | O                          |                           |                  |            | 6,545                            |                                |                       |
| 5        | HYDROQUEBEC              | O                          | X                         | Pine Shed        | RS         |                                  |                                |                       |
| 6        | SSGS                     | O                          |                           | Dunlap PI        | RS         |                                  |                                |                       |
| 7        | NXTRA                    | DP                         |                           | Pine Shed        | RS         |                                  |                                |                       |
| 8        | SHELL                    | DP                         |                           | Pine Shed        | RS         |                                  |                                |                       |
| 9        |                          |                            |                           |                  |            |                                  |                                |                       |
| 10       |                          |                            |                           |                  |            |                                  |                                |                       |
| 11       |                          |                            |                           |                  |            |                                  |                                |                       |
| 12       |                          |                            |                           |                  |            |                                  |                                |                       |
| 13       |                          |                            |                           |                  |            |                                  |                                |                       |
| 14       |                          |                            |                           |                  |            |                                  |                                |                       |
| 15       |                          |                            |                           |                  |            |                                  |                                |                       |
| 16       |                          |                            |                           |                  |            |                                  |                                |                       |
| 17       |                          |                            |                           |                  |            |                                  |                                |                       |
| 18       |                          |                            |                           |                  |            |                                  |                                |                       |
| 19       |                          |                            |                           |                  |            |                                  |                                |                       |
| 20       |                          |                            |                           |                  |            |                                  |                                |                       |
| 21       |                          |                            |                           |                  |            |                                  |                                |                       |
| 22       |                          |                            |                           |                  |            |                                  |                                |                       |
| 23       |                          |                            |                           |                  |            |                                  |                                |                       |
| 24       |                          |                            |                           |                  |            |                                  |                                |                       |
| 25       |                          |                            |                           |                  |            |                                  |                                |                       |
| 26       |                          |                            |                           |                  |            |                                  |                                |                       |
| 27       |                          |                            |                           |                  |            |                                  |                                |                       |
| 28       |                          |                            |                           |                  |            |                                  |                                |                       |
| 29       |                          |                            |                           |                  |            |                                  |                                |                       |
| 30       |                          |                            |                           |                  |            |                                  |                                |                       |

**PURCHASED POWER (Account 555) (Continued)**

(except interchange power)

4. If receipt of power is at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; seller owned or leased, SS. should be furnished whether or not used in the determination of demand charges. Show in column (l) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).
5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billing, this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in column (g) and (h) should be actual based on monthly readings and
6. The number of kilowatt hours purchased should be the quantities shown by the power bills.
7. Explain any amount entered in column (n) such as fuel or other adjustments.

| Type of Demand Reading | Voltage at which Delivered | Kilowatt-Hours | Cost of Energy (Omit Cents) |                |               |           | KWH (cents) (0.0000) | Line No. |
|------------------------|----------------------------|----------------|-----------------------------|----------------|---------------|-----------|----------------------|----------|
|                        |                            |                | Capacity Charges            | Energy Charges | Other Charges | Total     |                      |          |
| (l)                    | (j)                        | (k)            | (l)*                        | (m)            | (n)           | (n)       | (p)                  |          |
| 60 Min                 | 115KV                      | 6,456,550      | 50,371                      | 31,981         |               | 82,352    | 1.2755               | 1        |
| 60 Min                 | 115KV                      | 47,355,827     | 1,670,990                   | 272,682        |               | 1,943,672 | 4.1044               | 2        |
| 60 Min                 | 115KV                      | 32,533,227     | 851,174                     | 139,261        |               | 990,435   | 3.0444               | 3        |
|                        |                            |                | 279,850                     |                |               | 279,850   |                      | 4        |
|                        | 115KV                      | 438,000        |                             | 16,863         |               | 16,863    | 3.8500               | 5        |
|                        | .48KV                      | 102,427        |                             | 5,984          |               | 5,984     | 5.8422               | 6        |
|                        | 115KV                      | 404,800        |                             | 24,086         |               | 24,086    | 5.9501               | 7        |
|                        | 115KV                      | 5,284,000      |                             | 529,336        |               | 529,336   | 10.0177              | 8        |
|                        |                            |                |                             |                |               |           |                      | 9        |
|                        |                            |                |                             |                |               |           |                      | 10       |
|                        |                            |                |                             |                |               |           |                      | 11       |
|                        |                            |                |                             |                |               |           |                      | 12       |
|                        |                            |                |                             |                |               |           |                      | 13       |
|                        |                            |                |                             |                |               |           |                      | 14       |
|                        |                            |                |                             |                |               |           |                      | 15       |
|                        |                            |                |                             |                |               |           |                      | 16       |
|                        |                            |                |                             |                |               |           |                      | 17       |
|                        |                            |                |                             |                |               |           |                      | 18       |
|                        |                            |                |                             |                |               |           |                      | 19       |
|                        |                            |                |                             |                |               |           |                      | 20       |
|                        |                            |                |                             |                |               |           |                      | 21       |
|                        |                            |                |                             |                |               |           |                      | 22       |
|                        |                            |                |                             |                |               |           |                      | 23       |
|                        |                            |                |                             |                |               |           |                      | 24       |
|                        |                            |                |                             |                |               |           |                      | 25       |
|                        |                            |                |                             |                |               |           |                      | 26       |
|                        |                            |                |                             |                |               |           |                      | 27       |
|                        |                            |                |                             |                |               |           |                      | 28       |
|                        |                            |                |                             |                |               |           |                      | 29       |
|                        | Totals                     | 92,574,831     | 2,852,385                   | 1,020,193      | 0             | 3,872,578 | 4.1832               | 30       |

**INTERCHANGE POWER (Included in Account 555)**

1. Report below the Kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.
2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A., Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "X" in column (b).
3. Particulars of settlements for interchange power

shall be furnished in Part B, Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling,

coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

**A. Summary of Interchange According to Companies and Points of Interchange**

| Line No. | Name of Company | Interchange Across State Lines | Point of Interchange | Voltage at Which Interchanged | Kilowatt-hours |            |                | Amount of Settlement |
|----------|-----------------|--------------------------------|----------------------|-------------------------------|----------------|------------|----------------|----------------------|
|          |                 |                                |                      |                               | Received       | Delivered  | Net Difference |                      |
|          | (a)             | (b)                            | (c)                  | (d)                           | (e)            | (f)        | (g)            | (h)                  |
| 1        | NEPEX           |                                |                      | 115KV                         | 109,576,590    | 92,469,410 | 17,107,180     | 2,635,670            |
| 2        |                 |                                |                      |                               |                |            |                |                      |
| 3        |                 |                                |                      |                               |                |            |                |                      |
| 4        |                 |                                |                      |                               |                |            |                |                      |
| 5        |                 |                                |                      |                               |                |            |                |                      |
| 6        |                 |                                |                      | Totals                        | 109,576,590    | 92,469,410 | 17,107,180     | 2,635,670            |

**B. Details of Settlement for Interchange Power**

| Line No. | Name of Company | Explanation         | Amount    |
|----------|-----------------|---------------------|-----------|
|          | (i)             | (j)                 | (k)       |
| 7        | NEPEX           | NEPOOL Expense      | 225,988   |
| 8        |                 | Interchange Expense | 2,635,670 |
| 9        |                 |                     |           |
| 10       |                 |                     |           |
| 11       |                 | Total               | 2,861,658 |

## ELECTRIC ENERGY ACCOUNT

Report below the information called for concerning the disposition of electric generated, purchased, and interchanged during the year.

| Line No. | Item  | Kilowatt-hours |
|----------|---|----------------|
|          | (a)   | (b)            |
| 1        | <b>SOURCES OF ENERGY</b>  |                |
| 2        | Generation (excluding station use):                             |                |
| 3        | Steam Gas Turbine Combined Cycle                                |                |
| 4        | Nuclear   |                |
| 5        | Hydro   |                |
| 6        | Other Diesel  |                |
| 7        | Total generation  | 0              |
| 8        | Purchases   | 92,574,831     |
| 9        | { In (gross)  | 109,576,590    |
| 10       | Interchanges { Out (gross)                                      | 92,469,410     |
| 11       | { Net (Kwh)   | 17,107,180     |
| 12       | { Received  |                |
| 13       | Transmission for/by others { Delivered                          |                |
| 14       | { Net (kwh)   |                |
| 15       | <b>TOTAL</b>  | 109,682,011    |
| 16       | <b>DISPOSITION OF ENERGY</b>                                    |                |
| 17       | Sales to ultimate consumers (including interdepartmental sales) | 107,740,426    |
| 18       | Sales for resale  |                |
| 19       | Energy furnished without charge                                 |                |
| 20       | Energy used by the company (excluding station use)              |                |
| 21       | Electric department only  | 317,383        |
| 22       | Energy losses:  |                |
| 23       | Transmission and conversion losses                              |                |
| 24       | Distribution losses   | 1,624,202      |
| 25       | Unaccounted for losses  |                |
| 26       | Total energy losses   | 1,624,202      |
| 27       | Energy losses as percent of total on line 15                    | 1.48%          |
| 28       | Total   | 109,682,011    |

## MONTHLY PEAKS AND OUTPUT

1. Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.
2. Monthly peak col. (b) should be respondent's maximum Kw load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange minus temporary deliveries (not interchange) or emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation as to the nature of the emergency.
3. State type of monthly peak reading (instantaneous 15, 30, or 60 minute integrated.)
4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total should agree with line 15 above.
5. If the respondent has two or more power systems and physically connected, the information called for below should be furnished for each system.

## Monthly Peak

| Line No. | Month     | Kilowatts | Day of Week | Day of Month | Hour  | Type of Reading | Monthly Output (kwh)<br>See Instr. 4) |
|----------|-----------|-----------|-------------|--------------|-------|-----------------|---------------------------------------|
|          | (a)       | (b)       | (c)         | (d)          | (e)   | (f)             | (g)                                   |
| 29       | January   | 17,539    | Monday      | 23           | 18:00 | 60 min          | 9,893,674                             |
| 30       | February  | 20,950    | Friday      | 3            | 19:00 | 60 min          | 9,058,332                             |
| 31       | March     | 16,310    | Tuesday     | 7            | 19:00 | 60 min          | 9,072,420                             |
| 32       | April     | 15,906    | Friday      | 14           | 18:00 | 60 min          | 7,782,428                             |
| 33       | May       | 15,125    | Sunday      | 31           | 19:00 | 60 min          | 7,840,679                             |
| 34       | June      | 20,854    | Sunday      | 25           | 17:00 | 60 min          | 8,830,896                             |
| 35       | July      | 25,553    | Sunday      | 16           | 18:00 | 60 min          | 11,719,796                            |
| 36       | August    | 20,760    | Monday      | 21           | 18:00 | 60 min          | 10,087,153                            |
| 37       | September | 26,615    | Thursday    | 7            | 17:00 | 60 min          | 9,257,987                             |
| 38       | October   | 16,295    | Wednesday   | 4            | 18:00 | 60 min          | 7,973,653                             |
| 39       | November  | 16,911    | Tuesday     | 28           | 19:00 | 60 min          | 8,828,523                             |
| 40       | December  | 17,220    | Thursday    | 14           | 19:00 | 60 min          | 9,336,470                             |
| 41       | Total     |           |             |              |       |                 | 109,682,011                           |

## SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.
2. Substations which serve but one industrial or street railway customer should not be listed hereunder.
3. Substations with capacities of less than 5000 Kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.
5. Show in columns (i), (j), and (k) special equipment such as rotary converters, reflectors, condensers, etc. and auxiliary equipment for increasing capacity.
6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than

by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses of other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

| Line No. | Name and Location of Substation | Character of Substation | Voltage |           |          | Capacity of Substation in Kva (in Service) | Number Of Transformers in Service | Number of Spare Transformers | Conversion Apparatus and Special Equipment |              |                |
|----------|---------------------------------|-------------------------|---------|-----------|----------|--|-----------------------------------|------------------------------|--|--------------|----------------|
|          |                                 |                         | Primary | Secondary | Tertiary |  |                                   |                              | Type of Equipment                          | No. of Units | Total Capacity |
|          | (a)                             | (b)                     | (c)     | (d)       | (e)      | (f)  | (g)                               | (h)                          | (i)  | (j)          | (k)            |
| 1        | PINESHED                        | Distribution            | 115KV   | 13.8KV    |          | 93,000                                     | 2                                 | 0                            |  |              |                |
| 2        |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 3        |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 4        |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 5        |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 6        | UNATTENDED                      |                         |         |           |          |  |                                   |                              |  |              |                |
| 7        |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 8        |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 9        |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 10       |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 11       |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 12       |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 13       |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 14       |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 15       |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 16       |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 17       |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 18       |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 19       |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 20       |                                 |                         |         |           |          |  |                                   |                              |  |              |                |
| 21       |                                 |                         |         |           | Totals   | 93,000                                     | 2                                 | 0                            |  | 1            | 20,000 KVA     |

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2022

## OVERHEAD DISTRIBUTION LINES OPERATED

| Line No. | Item                      | Length (Pole Miles) |              |       |
|----------|---------------------------|---------------------|--------------|-------|
|          |                           | Wood Poles          | Steel Towers | Total |
| 1        | Miles - Beginning of Year | 92.72               | NONE         | 92.72 |
| 2        | Added During Year         | 0.86                |              | 0.86  |
| 3        | Retired During Year       | 0.29                |              | 0.29  |
| 4        | Miles - End of Year       | 93.29               |              | 93.29 |
| 5        |                           |                     |              |       |
| 6        |                           |                     |              |       |
| 7        |                           |                     |              |       |
| 8        |                           |                     |              |       |
| 9        |                           |                     |              |       |
| 10       |                           |                     |              |       |
| 11       |                           |                     |              |       |
| 12       |                           |                     |              |       |
| 13       |                           |                     |              |       |
| 14       |                           |                     |              |       |
| 15       |                           |                     |              |       |
| 16       |                           |                     |              |       |
| 17       |                           |                     |              |       |

## ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

| Line No. | Item                                   | Electric Services | Number of Watt-hour Meters | Line Transformers |                      |
|----------|--|-------------------|----------------------------|-------------------|----------------------|
|          |  |                   |                            | Number            | Total Capacity (Kva) |
| 18       | Number at beginning of year            | 5,903             | 8,565                      | 1,106             | 70,003.5             |
| 19       | Additions during year:                 |                   |                            |                   |                      |
| 20       | Purchased                              |                   | 3,513                      |                   |                      |
| 21       | Installed                              | 24                |                            | 16                | 702.5                |
| 22       | Associated with utility plant acquired |                   |                            |                   |                      |
| 23       | <b>Total additions</b>                 | 24                | 3,513                      | 16                | 702.5                |
| 24       | Reduction during year:                 |                   |                            |                   |                      |
| 25       | Retirements                            | 22                | 2,925                      | 29                | 1,815.0              |
| 26       | Associated with utility plant sold     |                   |                            |                   |                      |
| 27       | <b>Total reductions</b>                | 22                | 2,925                      | 29                | 1,815.0              |
| 28       | <b>Number at End of Year</b>           | 5,905             | 9,153                      | 1,093             | 68,891.0             |
| 29       | In Stock                               |                   | 1,175                      | 117               | 10,398.0             |
| 30       | Locked Meters' on customers' premises  |                   | 18                         |                   |                      |
| 31       | Inactive Transformers on System        |                   |                            |                   |                      |
| 32       | In Customers' Use                      |                   | 7,956                      | 972               | 57,918.0             |
| 33       | In Companys' Use                       |                   | 4                          | 4                 | 575.0                |
| 34       | <b>Number at End of Year</b>           |                   | 9,153                      | 1,093             | 68,891.0             |
| 35       |  |                   |                            |                   |                      |
| 36       |  |                   |                            |                   |                      |
| 37       |  |                   |                            |                   |                      |
| 38       |  |                   |                            |                   |                      |
| 39       |  |                   |                            |                   |                      |

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2022

## CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)

Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.

| Line No. | Designation of Underground Distribution System | Miles of Conduit Bank<br>(All sizes and Types) | Underground Cable |                   | Submarine Cable |                   |
|----------|--|--|-------------------|-------------------|-----------------|-------------------|
|          |  |  | Miles*            | Operating voltage | Feet*           | Operating Voltage |
|          | (a)  | (b)  | (c)               | (d)               | (e)             | (f)               |
| 1        | Primary Distribution                           | 2.05   | 0.65              | 5kv               |                 |                   |
| 2        | Primary Distribution                           | 27.15  | 36.50             | 15kv              |                 |                   |
| 3        | Secondary Distribution                         | 19.54  | 67.51             | 120/240V          |                 |                   |
| 4        | Municipal Distribution                         | 7.00   | 15.77             | 120V              |                 |                   |
| 5        |  |  |                   |                   |                 |                   |
| 6        |  |  |                   |                   |                 |                   |
| 7        | *(1) Conductor per Cable                       |  |                   |                   |                 |                   |
| 8        |  |  |                   |                   |                 |                   |
| 9        |  |  |                   |                   |                 |                   |
| 10       |  |  |                   |                   |                 |                   |
| 11       |  |  |                   |                   |                 |                   |
| 12       |  |  |                   |                   |                 |                   |
| 13       |  |  |                   |                   |                 |                   |
| 14       |  |  |                   |                   |                 |                   |
| 15       |  |  |                   |                   |                 |                   |
| 16       |  |  |                   |                   |                 |                   |
| 17       |  |  |                   |                   |                 |                   |
| 18       |  |  |                   |                   |                 |                   |
| 19       |  |  |                   |                   |                 |                   |
| 20       |  |  |                   |                   |                 |                   |
| 21       |  |  |                   |                   |                 |                   |
| 22       |  |  |                   |                   |                 |                   |
| 23       |  |  |                   |                   |                 |                   |
| 24       |  |  |                   |                   |                 |                   |
| 25       |  |  |                   |                   |                 |                   |
| 26       |  |  |                   |                   |                 |                   |
| 27       |  |  |                   |                   |                 |                   |
| 28       |  |  |                   |                   |                 |                   |
| 29       | Totals   | 55.74  | 120.43            |                   | 0               |                   |

\*Indicate number of conductors per cable.

## STREET LAMPS CONNECTED TO SYSTEM

| Line No. | City or Town | Total | TYPE      |       |               |       |             |       |                    |       |
|----------|--------------|-------|-----------|-------|---------------|-------|-------------|-------|--------------------|-------|
|          |              |       | LED       |       | Mercury Vapor |       | Fluorescent |       | High Press. Sodium |       |
|          |              |       | Municipal | Other | Municipal     | Other | Municipal   | Other | Municipal          | Other |
|          | (a)          | (b)   | (c)       | (d)   | (e)           | (f)   | (g)         | (h)   | (i)                | (j)   |
| 1        | South Hadley | 1,886 | 1,330     | 79    | 42            | 31    | 0           | 0     | 254                | 150   |
| 2        |              |       |           |       |               |       |             |       |                    |       |
| 3        |              |       |           |       |               |       |             |       |                    |       |
| 4        |              |       |           |       |               |       |             |       |                    |       |
| 5        |              |       |           |       |               |       |             |       |                    |       |
| 6        |              |       |           |       |               |       |             |       |                    |       |
| 7        |              |       |           |       |               |       |             |       |                    |       |
| 8        |              |       |           |       |               |       |             |       |                    |       |
| 9        |              |       |           |       |               |       |             |       |                    |       |
| 10       |              |       |           |       |               |       |             |       |                    |       |
| 11       |              |       |           |       |               |       |             |       |                    |       |
| 12       |              |       |           |       |               |       |             |       |                    |       |
| 13       |              |       |           |       |               |       |             |       |                    |       |
| 14       |              |       |           |       |               |       |             |       |                    |       |
| 16       |              |       |           |       |               |       |             |       |                    |       |
| 17       |              |       |           |       |               |       |             |       |                    |       |
| 18       |              |       |           |       |               |       |             |       |                    |       |
| 19       |              |       |           |       |               |       |             |       |                    |       |
| 20       |              |       |           |       |               |       |             |       |                    |       |
| 21       |              |       |           |       |               |       |             |       |                    |       |
| 22       |              |       |           |       |               |       |             |       |                    |       |
| 23       |              |       |           |       |               |       |             |       |                    |       |
| 24       |              |       |           |       |               |       |             |       |                    |       |
| 25       |              |       |           |       |               |       |             |       |                    |       |
| 26       |              |       |           |       |               |       |             |       |                    |       |
| 27       |              |       |           |       |               |       |             |       |                    |       |
| 28       |              |       |           |       |               |       |             |       |                    |       |
| 29       |              |       |           |       |               |       |             |       |                    |       |
| 30       |              |       |           |       |               |       |             |       |                    |       |
| 31       |              |       |           |       |               |       |             |       |                    |       |
| 32       |              |       |           |       |               |       |             |       |                    |       |
| 33       |              |       |           |       |               |       |             |       |                    |       |
| 34       |              |       |           |       |               |       |             |       |                    |       |
| 35       |              |       |           |       |               |       |             |       |                    |       |
| 36       |              |       |           |       |               |       |             |       |                    |       |
| 37       |              |       |           |       |               |       |             |       |                    |       |
| 43       |              |       |           |       |               |       |             |       |                    |       |
| 44       |              |       |           |       |               |       |             |       |                    |       |
| 45       |              |       |           |       |               |       |             |       |                    |       |
| 46       |              |       |           |       |               |       |             |       |                    |       |
| 47       |              |       |           |       |               |       |             |       |                    |       |
| 48       |              |       |           |       |               |       |             |       |                    |       |
| 49       |              |       |           |       |               |       |             |       |                    |       |
| 50       |              |       |           |       |               |       |             |       |                    |       |
| 51       |              |       |           |       |               |       |             |       |                    |       |
| 52       | Totals       | 1,886 | 1,330     | 79    | 42            | 31    | 0           | 0     | 254                | 150   |

## RATE SCHEDULE INFORMATION

1. Attach copies of all Filed Rates for General Consumers.
2. Show below the changes in rate schedules during year and the estimated increase or decrease in annual revenue predicted on the previous year's operations.

| Date<br>Effective | M.D.P.U.<br>Number | Rate Schedule                  | Estimated<br>Effect of<br>Annual Revenues |          |
|-------------------|--------------------|--------------------------------|---|----------|
|                   |                    |                                | Increases                                 | Decrease |
|                   |                    | ***** SEE ATTACHMENT "B" ***** |   |          |

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

\_\_\_\_\_  
Mayor

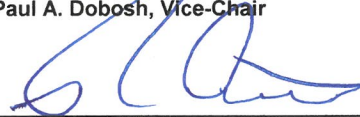
  
\_\_\_\_\_  
Sean P. Fitzgerald, Manager

\_\_\_\_\_  
Manager of Electric Light  
Department

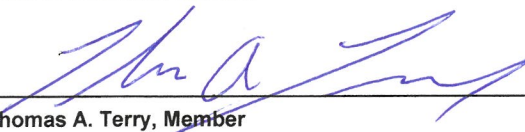
  
\_\_\_\_\_  
John R. Hine, Chair

\_\_\_\_\_  
Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board

  
\_\_\_\_\_  
Paul A. Dobosh, Vice-Chair

  
\_\_\_\_\_  
Ronald P. Coutu, Clerk

\_\_\_\_\_  
Kurt C. Schenker, Member

  
\_\_\_\_\_  
Thomas A. Terry, Member

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## EXTRACTS FROM CHAPTER 164 OF THE GENERAL LAWS AS AMENDED

**Section 56.** The mayor of a city, or the selectmen or municipal light board, if any, of a town acquiring a gas or electric plant shall appoint a manager of municipal lighting who shall, under the direction and control of the mayor, selectmen or municipal light board, if any, and subject to this chapter, have full charge of the operation and management of the plant, the manufacture and distribution of gas or electricity, the purchase of supplies, the employment of attorneys and of agents and servants, the method, time, price, quantity and quality of the supply, the collection of bills, and the keeping of accounts. His compensation and term of office shall be fixed in cities by the city council and in towns by the selectmen or municipal light board, if any; and, before entering upon the performance of his official duties, he shall give bond to the city or town for the faithful performance thereof in a sum and form and with sureties to the satisfaction of the mayor, selectmen or municipal light board, if any, and shall, at the end of each municipal year, render to them such detailed statement of his doings and of the business and financial matters in his charge as the department may prescribe. All moneys payable to or received by the city, town, manager or municipal light board in connection with the operation of the plant, for the sale of gas or electricity or otherwise, shall be paid to the city or town treasurer. All accounts rendered to or kept in the gas or electric plant of any city shall be subject to the inspection of the city auditor or officer having similar duties, and in towns they shall be subject to the inspection of the selectmen. The auditor or officer having similar duties, or the selectmen, may require any person presenting for settlement an account or claim against such plant to make oath before him or them, in such form as he or they may prescribe, as to the accuracy of such account or claim. The willful making of a false oath shall be punishable as perjury. The auditor or officer having similar duties in cities, and the selectmen in towns, shall approve the payment of all bills or payrolls of such plants before they are paid by the treasurer, and may disallow and refuse to approve for payment, in whole or in part, any claim as fraudulent, unlawful or excessive; and in that case the auditor or officer having similar duties, or the selectmen, shall file with the city or town treasurer a written statement of the reasons for the refusal; and the treasurer shall not pay any claim or bill so disallowed. This section shall not abridge the powers conferred on town accountants by sections fifty-five to sixty-one, inclusive, of chapter forty-one. The manager shall at any time, when required by the mayor, selectmen, municipal light board, if any, or department, make a statement to such officers of his doings, business, receipts, disbursements, balances, and of the indebtedness of the town in his department.

**Section 57.** At the beginning of each fiscal year, the manager of municipal lighting shall furnish to the mayor, selectmen or municipal light board, if any, an estimate of the income from sales of gas and electricity to private consumers during the ensuing fiscal year, and of the expense of the plant during said year, meaning the gross expenses of operation, maintenance and repair, the interest on the bonds, notes or certificates of indebtedness issued to pay for the plant, an amount for depreciation equal to three per cent of the cost of the plant exclusive of land and any water power appurtenant thereto, or such smaller or larger amount as the department may approve, the requirements of the sinking fund or debt incurred for the plant, and the loss, if any, in the operation of the plant during the preceding year, and of the cost, as defined in section fifty-eight, of the gas and electricity to be used by the town. The town shall include in its annual appropriations and in the tax levy not less than the estimated cost of the gas and electricity to be used by the town as above defined and estimated. By cost of the plant is intended the total amount expended on the plant to the beginning of the fiscal year for the purpose of establishing, purchasing, extending or enlarging the same. By loss in operation is intended the difference between the actual income from private consumers plus the appropriations for maintenance for the preceding fiscal year and the actual expense of the plant, reckoned as above, for that year in case such expenses exceeded the amount of such income and appropriation. The income from sales and the money appropriated as aforesaid shall be used to pay the annual expense of the plant, defined as above, for the fiscal year, except that no part of the sum therein included for depreciation shall be used for any other purpose than renewals in excess of ordinary repairs, extensions, reconstruction, enlargements and additions. The surplus, if any, of said annual allowances for depreciation after making the above payments shall be kept as a separate fund and used for renewals other than ordinary repairs, extensions, reconstructions, enlargements and additions in succeeding years, and for the cost of plant, nuclear decommissioning costs, the costs of contractual commitments, and deferred costs related to such commitments which the city council, the board of selectmen, or the municipal light board, if any, determines are above market value. Said depreciation fund shall be kept and managed by the town treasurer as a separate fund, subject to appropriation by the city council or selectmen or municipal light board, if any, for the foregoing purpose. Upon his own initiative or upon the request of the city council, selectmen or municipal light board, the treasurer shall invest or deposit the same as permitted by section fifty-five A of chapter forty-four, and any income thereon shall be credited to the depreciation fund. So much of said fund as the department may from time to time approve may also be used to pay notes, bonds or certificates of indebtedness issued to pay for the cost of reconstruction or renewals in excess of ordinary repairs, when such notes, bonds or certificates of indebtedness become due. All appropriations for the plant shall be either for the annual expense defined as above, or for extensions, reconstruction, enlargements or additions; and no appropriation shall be used for any purpose other than that stated in the vote making the same. No bonds, notes or certificates of indebtedness shall be issued by a town for the annual expenses as defined in this section.

**Section 63.** A town manufacturing or selling gas or electricity for lighting shall keep records of its work and doings at its manufacturing station, and in respect to its distributing plant, as may be required by the department. It shall install and maintain apparatus, satisfactory to the department, for the measurement and recording of the output of gas and electricity, and shall sell the same by meter to private consumers when required by the department, and, if required by it, shall measure all gas or electricity consumed by the town. The books, accounts and returns shall be made and kept in a form prescribed by the department, and the accounts shall be closed annually on the last day of the fiscal year of such town, and a balance sheet of that date shall be taken therefrom and included in the return to the department. The mayor, selectmen or municipal light board and manager shall, at any time, on request, submit said books and accounts to the inspection of the department and furnish any statement or information required by it relative to the condition, management and operation of said business. The department shall, in its annual report, describe the operation of the several municipal plants with such detail as may be necessary to disclose the financial condition and results of each plant; and shall state what towns, if any, operating a plant have failed to comply with this chapter, and what towns, if any, are selling gas or electricity with the approval of the department at less than cost. The mayor, or selectmen, or municipal light board, if any, shall annually, on or before such date as the department fixes, make a return to the department, for the preceding fiscal year, signed and sworn to by the mayor, or by a majority of the selectmen or municipal light board, if any, and by the manager, stating the financial condition of said business, the amount of authorized and existing indebtedness, a statement of income and expenses in such detail as the department may require, and a list of its salaried officers and the salary paid to each. The mayor, the selectmen or the municipal light board may direct any additional returns to be made at such time and in such detail as he or they may order. Any officer of a town manufacturing or selling gas or electricity for lighting who, being required by this section to make an annual return to the department, neglects to make such annual return shall, for the first fifteen days or portion thereof during which such neglect continues, forfeit five dollars a day; for the second fifteen days or any portion thereof, ten dollars a day; and for each day thereafter not more than fifteen dollars a day. Any such officer who unreasonably refuses or neglects to make such return shall, in addition thereto, forfeit not more than five hundred dollars. If a return is defective or appears to be erroneous, the department shall notify the officer to amend it within fifteen days. Any such officer who neglects to amend said return within the time specified, when notified to do so, shall forfeit fifteen dollars for each day during which such neglect continues. All forfeitures incurred under this section may be recovered by an information in equity brought in the supreme judicial court by the attorney general, at the relation of the department, and when so recovered shall be paid to the commonwealth.

**Section 69.** The supreme judicial court for the county where the town is situated shall have jurisdiction on petition of the department or of twenty taxable inhabitants of the town to compel the fixing of prices by the town in compliance with sections fifty-seven and fifty-eight, to prevent any town from purchasing, operating or selling a gas or electric plant in violation of any provision of this chapter, and generally to enforce compliance with the terms and provisions thereof relative to the manufacture or distribution of gas or electricity by a town.

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT****NOTES TO ANNUAL REPORT****DECEMBER 31, 2023****Massachusetts Municipal Wholesale Electric Company**

The Town of South Hadley, acting through its Light Department, is a participant in certain Projects of the Massachusetts Municipal Wholesale Electric Company (MMWEC).

MMWEC is a public corporation and a political subdivision of the Commonwealth of Massachusetts, created to develop a bulk power supply for its members and other utilities. MMWEC is authorized to construct, own or purchase ownership interests in, and to issue revenue bonds to finance, electric facilities (Projects). MMWEC has acquired ownership interests in electric facilities operated by other entities and also owns and operates its own electric facilities. MMWEC operates the Stony Brook Intermediate Project and the Stony Brook Peaking Project, both fossil-fueled power plants. MMWEC has the Nuclear Mix No 1 Project, Nuclear Project Three, Nuclear Project Four, Nuclear Project Five and Project Six, which comprise an 11.6% ownership interest in the Seabrook Station nuclear generating unit operated by NextEra Energy Seabrook, LLC, and a 4.8% ownership interest in the Millstone Unit 3 nuclear unit, operated by Dominion Nuclear Connecticut, Inc. The operating license for Seabrook Station extends to March 15, 2050. The operating license for the Millstone Unit 3 nuclear unit extends to November 25, 2045.

The Light Department is also a participant in MMWEC Project 2015A, a capacity reliability resource in Peabody, Massachusetts. Project 2015A is under construction as of December 31, 2023.

MMWEC sells all of the capability (Project Capability) of each of its Projects to its Members and other utilities (Project Participants) under Power Sales Agreements (PSAs). The Light Department has entered into PSAs with MMWEC. Under the PSAs the Department is required to make certain payments to MMWEC payable solely from Municipal Light Department revenues. Among other things, the PSAs require each Project Participant to pay its pro rata share of MMWEC's costs related to the Project, which costs include debt service on the revenue bonds issued by MMWEC to finance the Project. In addition, should a Project Participant fail to make any payment when due, other Project Participants of that Project may be required to increase (step-up) their payments and correspondingly their Participant's share of that Project's Project Capability. Project Participants have covenanted to fix, revise, and collect rates at least sufficient to meet their obligations under the PSAs. Each Participant is unconditionally obligated to make payments due to MMWEC whether or not the Project(s) is completed or operating and notwithstanding the suspension or interruption of the output of the Project(s).

Pursuant to the PSAs, the MMWEC Project Participants are liable for their proportionate share of the costs associated with decommissioning the plants, which are being funded through monthly Project billings, as needed. Also, the Millstone and Seabrook Project Participants are liable for their proportionate share of the uninsured costs of a nuclear incident that might be imposed under the Price-Anderson Act (Act). Originally enacted in 1957, the Act has been renewed several times. In July 2005, as part of the Energy Policy Act of 2005, Congress extended the Act until the end of 2025.

MMWEC is involved in various legal actions. In the opinion of management, the outcome of such litigation or claims will not have a material adverse effect on the financial position of the company.

Total capital expenditures and annual capacity, fuel, and transmission costs (which include debt service, operations and maintenance, and decommissioning expenses as discussed above), and the amount of required debt service payments (if applicable) under the PSAs, associated with the Department's Project Capability of the Projects in which it participates for the years ended December 31, 2023 and 2022 are as follows:

| <b>Projects</b>                   | <b>Share</b> | <b>Total Capital Expenditures</b> | <b>Annual Capacity, Fuel and Transmission Costs</b> |                     |
|-----------------------------------|--------------|-----------------------------------|---|---------------------|
|                                   |              | <b>2023</b>                       | <b>2023</b>   | <b>2022</b>         |
| Nuclear Project No. 3 - Millstone | 18.01%       | \$ 28,079,606                     | \$ 2,043,621  | \$ 2,126,123        |
| Nuclear Project No. 4 - Seabrook  | 7.40%        | 22,744,593                        | 940,081   | 933,848             |
| Nuclear Project No. 5 - Seabrook  | 1.88%        | 1,560,063                         | 61,722  | 61,417              |
| Project 2015A - Capacity Resource | 10.91%       | 7,943,961                         | 45,085  | -                   |
|                                   |              | <b>\$ 60,328,223</b>              | <b>\$ 3,090,509</b>                                 | <b>\$ 3,121,388</b> |

| <b>Years Ending</b> | <b>Debt Service Project 2015A</b> |
|---------------------|-----------------------------------|
| 2024                | \$ 467,312                        |
| 2025                | 466,490                           |
| 2026                | 465,995                           |
| 2027                | 465,893                           |
| 2028                | 465,303                           |
| 2029-2033           | 2,321,687                         |
| 2034-2038           | 2,321,512                         |
| 2039-2043           | 2,316,023                         |
| 2044-2048           | 2,310,130                         |
| 2049-2051           | 1,381,900                         |
| <b>TOTAL</b>        | <b>\$ 12,982,245</b>              |

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
TERMS AND CONDITIONS FOR ELECTRIC SERVICE**

**THE FOLLOWING TERMS AND CONDITIONS ARE APPLICABLE TO AND MADE PART OF ALL RATE SCHEDULES. ANY SUCH TERMS AND CONDITIONS AS ARE INCONSISTENT WITH ANY SPECIFIC PROVISIONS OR ANY RATE SCHEDULE SHALL NOT APPLY THERETO.**

- 1** The supply of electric service is contingent upon the Department's ability to secure and retain the necessary location for its poles, wires, conduit, cable and other apparatus. The character of service, to be made available at each location, will be determined by the Department and information relative thereto will be furnished by the Department on request. In general, the standard voltage supplied will be One Hundred Twenty – Two Hundred Forty (120/240) volts, single phase. Contact the Department to determine the availability of other voltages and characteristics.
- 2** Such wiring and other electrical equipment and apparatus as may be necessary in order to utilize the service shall be provided, installed, maintained, and used by the Customer in accordance with the requirements, if any, of the National Electric Code, and of all public authorities having jurisdiction of the same and the requirements of the Department. In general, the Department will not provide service until the Customer's wiring has been inspected and approved for energization by the Authority having Jurisdiction. The Department's *Information and Requirements for Electric Service* will be furnished upon request.
- 3** In general, all customers shall be served from one service location and one meter. Apartment buildings shall be served through one service, one building service meter, and individual meter(s) for each occupancy. In the case of more than one building in an apartment complex, each building service meter shall be considered an individual and separate account and will be billed separately.
- 4** All bills shall be due and payable upon presentation and shall be rendered monthly; however, the Department reserves the right to read meters and render bills on a bi-monthly basis. All bills of non-residential accounts, not paid within 45 days from the date of billing, shall bear interest at 1.5% per month on the unpaid balance from the date thereof until the date of payment.
- 5** The Department may discontinue its supply and remove its property from the premises in case the Customer fails to pay any bill due the Department for such service, after due notice thereof to the Customer, or fails to maintain his service equipment in a safe manner, or to perform any of his obligations to the Department. After such discontinuance, a reconnection fee will be charged to the Customer by the Department for restoration of service.

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
TERMS AND CONDITIONS FOR ELECTRIC SERVICE**

Page 2 of 4

- 6 For the purpose of determining the amount of electricity delivered, meters shall be installed by the Department at locations to be designated by the Department. The Department, may at any time, change any of its meters.
- 7 The Customer shall furnish without charge, suitable locations and enclosures upon his premises for such lines, transformers, meters, and other apparatus and equipment as the Department may install for the purpose of supplying service. The Department shall have the right of access, at reasonable times, to the premises of the Customer for the purpose of installing, reading, inspecting, testing, and keeping in repair the apparatus and equipment of the Department, or for discontinuing service or for removing any or all of its apparatus and equipment or for the purpose of obtaining the necessary information for the proper application of the rate or rates under which service is supplied.
- 8 The Customer shall not injure, interfere, destroy or tamper with the meter or other property of the Department nor suffer or permit any person to do so. The Customer shall use all reasonable precautions to protect the property of the Department located on the premises of the Customer from damage and interference and shall be responsible for all damages to, or loss of, such property of the Department. The Customer shall so maintain and operate its electric equipment and apparatus as not to endanger or interfere with the service of the Department. Electric meters are the property of the Department. No one but authorized Department personnel shall cut and open the Department seal on a meter, remove and install a meter, install jumper pieces or other bypassing devices, remove or install sleeves, change the meter registration, or tamper in any way with the electric meter. Meters damaged accidentally or otherwise will be replaced at the expense of the property owner where the meter is located. When a meter is found to be tampered with, service to that meter will be disconnected. To have service restored, the responsible party must first pay a \$45.00 reconnection fee, payable in cash at the Department Office. All violations will be reported to the Police Department for legal prosecution. In addition to the fee for tampering, a deposit will be required, which will be equivalent to three month's normal consumption on the premises in question. Service will be reconnected 24 hours after payment of the preceding fee and deposit, if the matter has been resolved to the satisfaction of the Department.
- 9 Whenever the integrity of the supply of electric service may be threatened by the conditions on the Department's system or on a part or parts of the transmission and/or distribution system with which the Department is interconnected, the Department, in its sole judgment, may curtail or interrupt electrical service to the Customer and such curtailment or interruption shall not constitute willful default by the Department. The Department shall not be responsible for any failure to supply electric service nor interruption or abnormal voltage of the supply, or any damage resulting from the restoration of service, if such failure, interruption, abnormal voltage, or damage is without willful default on its part.

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
TERMS AND CONDITIONS FOR ELECTRIC SERVICE**

- 10 The Department shall not be liable for damage to the person or property of the Customer or any other person resulting from the use of electricity or the presence of the Department's apparatus and equipment on the Customer's premises.
- 11 The Department shall not be required to furnish electricity as a stand-by or to supplement electricity for a Customer's source of electricity supply.
- 12 Costs and requirements for services and line extensions are listed in the Department's *Information and Requirements for Electric Service* publication. If any payments are due, a lump sum payment must be received prior to construction, or any other method mutually agreed upon.
- 13 Temporary service connections for new building construction purposes will be subject to a service charge covering the actual cost of installation and removal. Service supplied will be billed under the Temporary General Service (TS) rate schedule.
- 14 The South Hadley Electric Light Department shall not be liable for, or in any way in respect of, any interruption, abnormal voltage, discontinuance or reversal of its service, due to causes beyond its immediate control whether by accident, labor difficulties, conditions of fuel supply, the action of any public authority, reduction in voltage, rotating of its feeders, selected blackouts, or failure to receive any electricity for which in any manner it has contracted, or due to the operation in accordance with good utility practice of any emergency load reduction program by the South Hadley Electric Light Department or one with whom it has contracted for the supply of electricity or inability for any good reason to maintain uninterrupted and continuous service; provided, however, that if the South Hadley Electric Light Department is unable for any of the causes enumerated above to supply electricity for a continued period of two (2) days or more, then upon request of the Customer, the demand charge, if any, shall be pro-rated for the number of days of such inability as it relates to the number of days in the billing month.
- 15 The South Hadley Electric Light Department reserves the right to withhold and/or remove electric service to loads, which adversely affect the supply to other customers. Loads that produce harmonic distortion, voltage fluctuations, noise or low power factor, are examples of loads that are potentially detrimental.
- 16 The Customer shall, at all times, take and use energy in such a manner that the load will be balanced between phases to within 10%. The Department reserves the right to require the Customer to make necessary changes at his expense to correct the unbalanced

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
TERMS AND CONDITIONS FOR ELECTRIC SERVICE**

- 17** The Department reserves the right to disconnect electric service at any time without notice, or to refuse to connect electric service, if to its knowledge or its judgement, the Customer's installation is unsafe or defective or will become unsafe imminently. Electric service may not be resumed until the local wiring inspector approved the installation.
- 18** All such policies and regulations shall be consistent with the General Laws of the Commonwealth of Massachusetts, Chapter 164 in particular, and other applicable regulations and orders of the Massachusetts Department of Telecommunications and Energy.

MDPU # 101

Replaces MDTE # 83

## SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT RESIDENTIAL SERVICE

Page 1 of 1

**1 AVAILABILITY**

Available in all areas served by the South Hadley Electric Light Department

**2 APPLICABILITY**

Service under this rate is applicable to all single and multiple occupancy residential customers.

**3 CHARACTER OF SERVICE**

A.C.; 60 Hertz; Single Phase - 120, 208, 240 Volts

**4 MONTHLY RATE****Power Supply Services**

|                          |    |         |         |
|--------------------------|----|---------|---------|
| Power Consumption Charge | \$ | 0.08929 | per kWh |
|--------------------------|----|---------|---------|

**Delivery Services**

|                     |    |         |         |
|---------------------|----|---------|---------|
| Distribution Charge | \$ | 0.04179 | per kWh |
|---------------------|----|---------|---------|

|                 |    |      |           |
|-----------------|----|------|-----------|
| Customer Charge | \$ | 5.00 | per month |
|-----------------|----|------|-----------|

**5 POWER ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of power as provided in the Department's Power Adjustment Clause in effect from time to time.

**6 HYDRO POWER CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of power as provided in the Department's Hydro Power Adjustment Clause in effect from time to time.

**7 DISTRIBUTIVE GENERATION CREDIT**

There shall be an adjustment in rate due to distributive power generation as provided in the Department's Distributive Generation Clause in effect from time to time.

**8 DISTRIBUTION ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of distribution as provided in the Department's Distribution Adjustment Clause in effect from time to time.

**9 TERMS AND CONDITIONS**

This rate is subject to termination at any time upon notice to the Department. Bills are considered due when presented. Payments received within fourteen days of the billing date are eligible for a 6% discount on power consumption, distribution, and customer base rate charges. The Department's Terms and Conditions for Electric Service are a part of this rate schedule.

MDPU # 102

Replaces MDTE # 93

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
RESIDENTIAL SPACE HEATING SERVICE**

Page 1 of 2

**1 AVAILABILITY**

Available in all areas served by the South Hadley Electric Light Department

**2 APPLICABILITY**

Service under this rate is applicable to all single and multiple occupancy residential customers with permanently installed electric comfort heating, having no other source of comfort heating available.

**3 CHARACTER OF SERVICE**

A.C.; 60 Hertz; Single Phase - 120, 208, 240 Volts

**4 MONTHLY RATE****Power Supply Services**

Power Consumption Charge (December - April)

|               |            |         |
|---------------|------------|---------|
| First 800 kWh | \$ 0.07929 | per kWh |
|---------------|------------|---------|

|              |            |         |
|--------------|------------|---------|
| Over 800 kWh | \$ 0.06929 | per kWh |
|--------------|------------|---------|

Power Consumption Charge (May - November)

|               |            |         |
|---------------|------------|---------|
| First 800 kWh | \$ 0.08889 | per kWh |
|---------------|------------|---------|

|              |            |         |
|--------------|------------|---------|
| Over 800 kWh | \$ 0.09989 | per kWh |
|--------------|------------|---------|

**Delivery Services**

|                     |            |         |
|---------------------|------------|---------|
| Distribution Charge | \$ 0.04016 | per kWh |
|---------------------|------------|---------|

|                 |         |           |
|-----------------|---------|-----------|
| Customer Charge | \$ 5.00 | per month |
|-----------------|---------|-----------|

**5 POWER ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of power as provided in the Department's Power Adjustment Clause in effect from time to time.

**6 HYDRO POWER CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of power as provided in the Department's Hydro Power Adjustment Clause in effect from time to time.

**7 DISTRIBUTIVE GENERATION CREDIT**

There shall be an adjustment in rate due to distributive power generation as provided in the Department's Distributive Generation Clause in effect from time to time.

**8 DISTRIBUTION ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of distribution as provided in the Department's Distribution Adjustment Clause in effect from time to time.

MDPU # 102

Replaces MDTE # 93

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
RESIDENTIAL SPACE HEATING SERVICE**

Page 2 of 2

**9 TERMS AND CONDITIONS**

This rate is subject to termination at any time upon notice to the Department. Bills are considered due when presented. Payments received within fourteen days of the billing date are eligible for a 6% discount on power consumption, distribution, and customer base rate charges. The Department's Terms and Conditions for Electric Service are a part of this rate schedule.

MDPU # 103

Replaces MDTE # 86

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
SMALL GENERAL SERVICE**

Page 1 of 1

**1 AVAILABILITY**

Available in all areas served by the South Hadley Electric Light Department

**2 APPLICABILITY**

Service under this rate is applicable for any purpose having monthly usage of less than 10,000 kWh and monthly demand of less than 200 kW. If usage or demand exceed these limits in any month, the customer will be moved to the GDS or LGS rates for the following twelve months.

**3 CHARACTER OF SERVICE**

A.C.; 60 Hertz; Single Phase - 120, 208, 240 Volts or Three Phase - 208, 480 Volts

**4 MONTHLY RATE****Power Supply Services**

|                          |            |         |
|--------------------------|------------|---------|
| Power Consumption Charge | \$ 0.09450 | per kWh |
|--------------------------|------------|---------|

**Delivery Services**

|                     |            |           |
|---------------------|------------|-----------|
| Distribution Charge | \$ 0.03486 | per kWh   |
| Customer Charge     | \$ 10.00   | per month |

**5 POWER ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of power as provided in the Department's Power Adjustment Clause in effect from time to time.

**6 DISTRIBUTIVE GENERATION CREDIT**

There shall be an adjustment in rate due to distributive power generation as provided in the Department's Distributive Generation Clause in effect from time to time.

**7 DISTRIBUTION ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of distribution as provided in the Department's Distribution Adjustment Clause in effect from time to time.

**8 TERMS AND CONDITIONS**

This rate is subject to termination at any time upon notice to the Department. Bills are considered due when presented. All bills not paid within forty five days of billing shall bear interest at 1.5% per month on the unpaid balance from the date thereof until paid. The Department's Terms and Conditions for Electric Service are a part of this rate schedule.

MDPU # 104

Replaces MDTE # 90

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
GENERAL DEMAND SERVICE**

Page 1 of 1

**1 AVAILABILITY**

Available in all areas served by the South Hadley Electric Light Department

**2 APPLICABILITY**

Service under this rate is applicable for any purpose having monthly usage of greater than 10,000 kWh and monthly demand of less than 200 kW in any month during the preceding twelve months. If demand exceed this limit in any month, the customer will be moved to the LGS rate for the following twelve months.

**3 CHARACTER OF SERVICE**

A.C.; 60 Hertz; Three Phase - 208, 480 Volts

**4 MONTHLY RATE****Power Supply Services**

|                          |    |         |         |
|--------------------------|----|---------|---------|
| Power Consumption Charge | \$ | 0.07105 | per kWh |
| Power Demand Charge      | \$ | 8.00    | per kW  |

**Delivery Services**

|                     |    |         |           |
|---------------------|----|---------|-----------|
| Distribution Charge | \$ | 0.03190 | per kWh   |
| Customer Charge     | \$ | 50.00   | per month |

**5 POWER ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of power as provided in the Department's Power Adjustment Clause in effect from time to time.

**6 DISTRIBUTIVE GENERATION CREDIT**

There shall be an adjustment in rate due to distributive power generation as provided in the Department's Distributive Generation Clause in effect from time to time.

**7 DISTRIBUTION ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of distribution as provided in the Department's Distribution Adjustment Clause in effect from time to time.

**8 TERMS AND CONDITIONS**

This rate is subject to termination at any time upon notice to the Department. Bills are considered due when presented. All bills not paid within forty five days of billing shall bear interest at 1.5% per month on the unpaid balance from the date thereof until paid. The Department's Terms and Conditions for Electric Service are a part of this rate schedule.

MDPU # 105

Replaces MDTE # 87

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
LARGE GENERAL SERVICE**

Page 1 of 1

**1 AVAILABILITY**

Available in all areas served by the South Hadley Electric Light Department.

**2 APPLICABILITY**

Service under this rate is applicable for any purpose having monthly demand of greater than 200 kW in any month during the preceding twelve months.

**3 CHARACTER OF SERVICE**

A.C.; 60 Hertz; Three Phase - 208, 480, 13,800 Volts where available

**4 MONTHLY RATE****Power Supply Services**

|                          |            |         |
|--------------------------|------------|---------|
| Power Consumption Charge | \$ 0.05997 | per kWh |
| Power Demand Charge      | \$ 9.00    | per kW  |

**Delivery Services**

|                     |            |           |
|---------------------|------------|-----------|
| Distribution Charge | \$ 0.02392 | per kWh   |
| Customer Charge     | \$ 650.00  | per month |

**5 POWER ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of power as provided in the Department's Power Adjustment Clause in effect from time to time.

**6 DISTRIBUTIVE GENERATION CREDIT**

There shall be an adjustment in rate due to distributive power generation as provided in the Department's Distribution Generation Clause in effect from time to time.

**7 DISTRIBUTION ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of distribution as provided in the Department's Distribution Adjustment Clause in effect from time to time.

**8 TERMS AND CONDITIONS**

This rate is subject to termination at any time upon notice to the Department. Bills are considered due when presented. All bills not paid within forty five days of billing shall bear interest at 1.5% per month on the unpaid balance from the date thereof until paid. The Department's Terms and Conditions for Electric Service are a part of this rate schedule.

MDPU # 106

Replaces MDTE # 92

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
TEMPORARY GENERAL SERVICE**

Page 1 of 1

**1 AVAILABILITY**

Available in all areas served by the South Hadley Electric Light Department

**2 APPLICABILITY**

Service under this rate is applicable to construction of buildings or structures and any location not attached to a permanent building or structure on a temporary basis.

**3 CHARACTER OF SERVICE**

A.C.; 60 Hertz; Single Phase - 120, 208, 240 Volts

**4 MONTHLY RATE****Power Supply Services**

|                          |            |         |
|--------------------------|------------|---------|
| Power Consumption Charge | \$ 0.10593 | per kWh |
|--------------------------|------------|---------|

**Delivery Services**

|                     |            |         |
|---------------------|------------|---------|
| Distribution Charge | \$ 0.04179 | per kWh |
|---------------------|------------|---------|

|                 |          |           |
|-----------------|----------|-----------|
| Customer Charge | \$ 50.00 | per month |
|-----------------|----------|-----------|

**5 POWER ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of power as provided in the Department's Power Adjustment Clause in effect from time to time.

**6 DISTRIBUTION ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of distribution as provided in the Department's Distribution Adjustment Clause in effect from time to time.

**7 TERMS AND CONDITIONS**

This rate is subject to termination at any time upon notice to the Department. Bills are considered due when presented. All bills not paid within forty five days of billing shall bear interest at 1.5% per month on the unpaid balance from the date thereof until paid. The Department's Terms and Conditions for Electric Service are a part of this rate schedule.

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
STREET LIGHTING****1 AVAILABILITY**

Available in all areas served by the South Hadley Electric Light Department

**2 APPLICABILITY**

Service under this rate is applicable to all municipal street lighting and unmetered traffic signals.

**3 MONTHLY RATE**

The monthly energy consumption billed for street lighting consists of multiple street lights, unmetered traffic signals, and decorative street lighting. The kWh contribution of each of the components represent the monthly total of kWh consumption billed at the applicable \$/kWh rate which is determined for each annual period from July through June of the following year per Massachusetts General Laws Chapter 164, section 58.

Other monthly charges billed to the Town, include, but are not limited to the following: activation / deactivation charges, maintenance charges, and capital recovery charges.

**4 TERMS AND CONDITIONS**

This rate is subject to termination at any time upon notice to the Department. Bills are considered due when presented. The Department's Terms and Conditions for Electric Service are a part of this rate schedule.

MDPU # 108

Replaces MDTE # 91

## SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT SECURITY LIGHTING

Page 1 of 2

**1 AVAILABILITY**

Available in all areas served by the South Hadley Electric Light Department

**2 APPLICABILITY**

Service under this rate is applicable for general area lighting on private property only.

**3 MONTHLY RATE**

| Fixture Type         | Lumens | kWh | Rate     |
|----------------------|--------|-----|----------|
| <b>Mercury Vapor</b> |        |     |          |
| 175 Watt             | 7,950  | 71  | \$ 11.40 |
| *250 Watt            | 11,200 | 99  | \$ 15.80 |
| *400 Watt            | 21,200 | 157 | \$ 20.60 |
| <b>Sodium Vapor</b>  |        |     |          |
| 70 Watt              | 6,400  | 35  | \$ 8.50  |
| 150 Watt             | 16,000 | 67  | \$ 13.50 |
| 250 Watt             | 27,500 | 108 | \$ 20.30 |
| 400 Watt             | 50,000 | 166 | \$ 31.60 |
| <b>LED</b>           |        |     |          |
| 39 Watt              | 4,850  | 14  | \$ 8.50  |
| 60 Watt - Flood      | 7,726  | 21  | \$ 13.50 |
| 90 Watt              | 11,260 | 32  | \$ 20.30 |
| 124 Watt - Flood     | 14,864 | 43  | \$ 31.60 |

\* No additional lights of these sizes and types will be installed . These size and types will be replaced with LED of similar light upon failure or request.

Above rates include conventional luminaire, lamp, photoelectric control and maintenance. Above rates do not include poles, wires, underground supply, lighting fixture of the customers choice, or control switch.

**4 POWER ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of power as provided in the Department's Power Adjustment Clause in effect from time to time.

**5 DISTRIBUTION ADJUSTMENT CHARGE / CREDIT**

There shall be an adjustment in rate due to changes in the cost of distribution as provided in the Department's Distribution Adjustment Clause in effect from time to time.

MDPU # 108

Replaces MDTE # 91

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
SECURITY LIGHTING**

Page 2 of 2

**6 TERMS AND CONDITIONS**

This rate is subject to termination at any time upon notice to the Department. Bills are considered due when presented. All bills not paid within forty five days of billing shall bear interest at 1.5% per month on the unpaid balance from the date thereof until paid. The Department's Terms and Conditions for Electric Service are a part of this rate schedule.

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
POWER ADJUSTMENT CHARGE / CREDIT**

**1 APPLICABILITY**

A power adjustment charge / credit shall be applied to each rate schedule in which reference to such adjustment is incorporated.

**2 DETERMINATION**

The Power Supply Services charge set forth in each applicable rate schedule and contract of the Department shall be increased or decreased by the Power Adjustment Charge / Credit (PAC) calculated for each rate schedule on a per kWh basis calculated to the nearest thousandth of a cent (\$.00001) by the following formula:

$$\text{PAC} = [ ( P / S ) + \text{RS} ] - B$$

PAC = Power Adjustment Charge / Credit

P = Estimated Cost of Power Sold including NEPOOL interchange charge to Accounts 555, 556, 557 and 565 ( \* ) for the period plus the NYPA savings calculated pursuant to effective rate schedule

S = Estimated kWh to be sold during the period

RS = Rate Stabilization Fund contribution

B = Base period cost of power sold recovered by the Departments base rates, expressed as an amount per kWh sold

The difference between the base cost and the annual cost per kWh estimated to be sold will be applied in the billing period.

This calculation will normally be made on a quarterly basis and a single Power Adjustment Charge / Credit billed for the entire quarter, although the Department may change the Power Adjustment Charge / Credit more frequently if such changes are required.

( \* ) An adjustment to the cost of power sold shall be made to reflect the difference between estimated and actual cost of power sold and kWh sold in the prior period in order to recover or credit any under collection or over collection of the power adjustment charge / credit.

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
NYPA HYDROPOWER CREDIT**

**1 APPLICABILITY**

A NYPA Hydropower Credit shall be applied to each rate schedule in which reference to such adjustment is incorporated.

**2 DETERMINATION**

The NYPA Hydropower Credit set forth in each applicable rate schedule of the Department shall be calculated on a per kWh basis calculated to the nearest thousandth of a cent (\$.00001) by the following formula:

$$\text{NYPA} = [ ( \text{GC} - ( \text{NC} / \text{NK} ) ) \times \text{NK} ] / \text{RK}$$

NYPA = NYPA Hydropower Credit

GC = The Generation Charge in effect for the period

NC = The total forecasted cost of hydropower purchased from the New York Power Authority for the period

NK = The total forecasted kWh purchased from the New York Power Authority for the period

RK = The total estimated number of kWh to which the NYPA Hydropower Credit will be applied for the period

This calculation will normally be made on a quarterly basis and a single NYPA Hydropower Credit billed for the entire quarter, although the Department may change the NYPA Hydropower Credit more frequently if such changes are required.

( \* ) An adjustment to the NYPA Hydropower Credit shall be made to reflect the difference between estimated and actual cost of hydropower purchased and the estimated and actual kWh sold in the prior period in order to recover or credit any under collection or over collection of the NYPA

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
DISTRIBUTION ADJUSTMENT CHARGE / CREDIT**

**1 APPLICABILITY**

A distribution adjustment charge / credit shall be applied to each rate schedule in which reference to such adjustment is incorporated.

**2 DETERMINATION**

The Delivery Services charge set forth in each applicable rate schedule and contract of the Department shall be increased or decreased by the Distribution Adjustment Charge / Credit (DAC) calculated for each rate schedule on a per kWh basis calculated to the nearest thousandth of a cent (\$.00001) by the following formula:

$$\text{DAC} = [ ( E - I ) / S ] - B$$

DAC = Distribution Adjustment Charge / Credit

E = Total estimated operating and nonoperating costs charged to accounts including, but not limited to, 580 through 920, 403, 435 ( \* ) for the period plus a return on plant assets

I = Total estimated other income charged to accounts including, but not limited to, 415 through 432 for the period.

S = Estimated kWh to be sold during the period

B = Base period operating and nonoperating costs (E) recovered by the Departments base rates, expressed as an amount per kWh sold

The difference between the base cost and the annual cost per kWh estimated to be sold will be applied in the billing period.

This calculation will normally be made on a quarterly basis and a single Distribution Adjustment Charge / Credit billed for the entire quarter, although the Department may change the Distribution Adjustment Charge / Credit more frequently if such changes are required.

( \* ) An adjustment to the total operating and non operating costs shall be made to reflect the difference between estimated and actual costs in the prior period in order to recover or credit any under collection or over collection of the distribution adjustment charge / credit.

## SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT DISTRIBUTIVE GENERATION RIDER

### 1 AVAILABILITY

The rider is available and applicable to any customer receiving service under Residential Service schedule (RS), Residential Space Heating Service schedule (RSHS), Small General Service schedule (SGS), General Demand Service (GDS) schedule, and Large General Service schedule (LGS) that has an on-site solar photovoltaic system interconnected with the South Hadley Electric Light Department (SHELD) distribution system behind the master meter in compliance with the current interconnection policy and operated under an approved Interconnection Agreement executed after May 28, 2018.

### 2 MONTHLY RATE

The Monthly Rate is in addition to all other charges contained in the Customer's applicable rate schedule, with adjustments to the charges in the Customer's applicable tariff schedule as set forth in the table below:

#### Power Supply Services

|                                |    |   |         |
|--------------------------------|----|---|---------|
| Distributive Generation Credit | \$ | - | per kWh |
|--------------------------------|----|---|---------|

#### Delivery Service

|                    |    |      |           |
|--------------------|----|------|-----------|
| DG Metering Charge | \$ | 6.00 | per month |
|--------------------|----|------|-----------|

For schedules RS and RSHS, billable kilowatt-hours (kWh) shall be based on metered energy delivered by SHELD's electric distribution system. Credit kilowatt-hours (kWh) shall be based on metered energy received by SHELD's distribution system. All non-kWh based charges under the rate schedules shall remain unaffected by the application of this rider.

For schedules SGS, GDS, and LGS, billable kilowatt-hour (kWh) shall be based on metered energy delivered by SHELD's electric distribution system and the metered energy consumed from an on-site solar system: also known as the total metered energy consumption during the billing month. Credit kilowatt-hours (kWh) shall be based on the total metered output of the customers photovoltaic system. All non-kWh based charges under the rate schedule shall remain unaffected by the application of this rider.

For each billing month, the customer shall receive a non-transferable credit. Credits are applicable to the customer's total charges electric service in the customer's name on the same premise and account where the on-site solar photovoltaic system is interconnected. Any credit in excess of total monthly charges will be carried over to the following billing month. Any credit not used within twelve month of its origination will expire. No credits will be refunded to the customer.

The Distributive Generation Credit is reviewed and reset periodically based on SHELD's actual avoided cost determination for value of solar, typically determined on a quarterly basis.

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
ECONOMIC DEVELOPMENT RIDER****1 AVAILABILITY**

The rider is available to any customer receiving service under Large General Service (LGS) and is applicable to the total load of a new customer or the incremental load of an expansion customer.

**2 QUALIFICATIONS**

The customer must qualify as either a new or expansion customer and:

- 1 Demonstrate to SHELD's satisfaction that it has an economically viable opportunity to locate or expand outside the Department's service area.
- 2 Demonstrate to SHELD's satisfaction that the discounts provided by this Rider, either alone *or* in conjunction with concessions from the State and/or Town of South Hadley, are sufficient to cause the customer to locate or add the incremental load within the
- 3 In the case of new customers, create a minimum of 12 jobs.
- 4 Require an average energy level of at least 150,000 kWh per month and, in the case of an expansion customer, increase load by at least 10% of the demand level established in the base period.

**3 DEFINITIONS**

- 1 A new customer is a future consumer that has not been a customer of SHELD in any of the past 12 months preceding application for service under this rider. An existing facility will not be considered a new customer's location unless the facility has been vacant for a period of 2 years.
- 2 An expansion customer is a current LGS service recipient that has received full requirements from SHELD in the past 12 months.
- 3 The incremental load of a new customer is the total load. The incremental load of an expansion customer is the portion of the customer's total load, in kWh, that exceeds the customer's total load during the base period.
- 4 The base period is the twelve-month period immediately preceding the month in which an expansion customer becomes eligible for billing under this rider, or a 12-month period that SHELD determines reflects the customer's base level of usage.

**4 CONDITIONS**

- 1 The customer shall purchase its total electric requirements from SHELD.
- 2 The customer must demonstrate to SHELD's satisfaction that it brings a benefit to the Town of South Hadley via increased employment, taxes, etc.
- 3 The expansion customer's electric energy (kWh) usage for each month must exceed by at least 10%, the energy usage in the comparable month of the base period.
- 4 The Department will remove an expansion customer from the rider if, in 3 consecutive months, its kilowatt-hour energy usage is less than 10% greater than its energy usage in the corresponding months of the base period.

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
ECONOMIC DEVELOPMENT RIDER****5 BASE MONTHLY CHARGE**

- 1 The customer's monthly demand, energy and customer charges shall be determined in accordance with the LGS rate schedule.
- 2 The customer will be billed a Transition Adjustment Charge as it applies to all other customers.

**6 MONTHLY DISCOUNT**

The discount percentage will be applied to the customer's total bill for the services provided under the LGS schedule as follows:

Year 1 – 20%, Year 2 – 15%, Year 3- 10%, Year 4 – 5%, Year 5 – 0%

**7 SECURITY DEPOSIT / PAYMENT OPTION**

In lieu of the customary security deposit, customers will be allowed to enter into an ACH Agreement whereby amounts due for electric service are deducted directly from your bank account at the time of billing. The Department may discontinue its supply and remove its property from the customers' premises should such ACH payment fail to occur.

**8 TERMS OF AGREEMENT**

- 1 The Rider Discount Period is 4 years, with a contract commitment of 5 years.
- 2 If the customer terminates service or reduces electric load below the minimum requirements before the completion of 5 years, SHELD has a right to recover the discounted amounts.