STATE OF NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

Docket No. DE 21-063

LIBERTY UTILITIES (GRANITE STATE ELECTRIC) CORP. d/b/a LIBERTY

Retail Rate Filing

<u>Record Request – Exhibit 2</u>

REQUEST:

Please describe how the allocation of transmission costs to Liberty, which is based on Liberty's share of the ISO-NE annual peak load, is impacted by Liberty's various energy efficiency measures, demand response programs, the battery storage program, and any other similar efforts.

RESPONSE:

Table 1b on page 3 of Liberty's 2019 EE Annual Report, Bates 7 below, shows summer savings of 1,227 kW due to the various energy efficiency programs. Note that the 2019 kW values are the incremental kW impacts resulting from new EE measures installed in 2019, meaning installed EE measures from prior years continue to help reduce peak kW on the system.

For the Battery Pilot Program, our consultant Guidehouse (formerly Navigant) is working on its first quarterly report, which is due May 31. The quarterly report will include peak load reduction data.

We currently do not have any demand response programs in the market although our C&I Load Curtailment Active Demand Response program was proposed in Docket No. DE 20-092.



Docket No. DE 21-063 Exhibit 2

Steven E. Mullen Director, Rates and Regulatory Affairs 15 Buttrick Rd. Londonderry, NH 03053 603-216-3516 Steven.Mullen@libertyutilities.com

December 31, 2020 Via Electronic Mail

Debra A. Howland Executive Director New Hampshire Public Utilities Commission 21 South Fruit St., Suite 10 Concord, NH 03301-2429

Dear Ms. Howland:

Re: DE 17–136; Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty NHSaves Energy Efficiency Programs — YE 2019 (Revised)

On behalf of Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty, enclosed for filing please find Liberty's revised performance incentive calculations relating to the NHSaves Energy Efficiency Programs for program year 2019. The Commission approved the 2019 programs in its Order No. 26,207 issued on December 31, 2018.

Please note this report has a downward revision to the Winter kW Savings and Summer kW Savings to the Home Performance with ENERGY STAR and the Home Energy Assistance programs. The impact of the downward revision to the kW Savings impacted the overall Benefit totals and the Total Resource Benefit/Cost Ratio for these two programs and the overall Residential sector. The overall effect to the Residential sector is a reduction in Benefits (\$000) from \$5,395 to \$4,817 and a reduction to the Benefit/Cost Ratio from 2.68 to 2.40. Consequently, there is a \$5,137 reduction to the overall Performance Incentive calculation from \$201,137 to \$196,000.

Thank you for your attention to this matter. Please do not hesitate to call if you have any questions.

Sincerely,

Star Mill

Steven E. Mullen



Enclosure

Cc: Service List

NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

LIBERTY UTILITIES (GRANITE STATE ELECTRIC) CORP.

d/b/a

LIBERTY UTILITIES

NHSAVES EE PROGRAMS - 2019 YEAR-END REPORT

NHPUC Docket No. DE 17-136

Revised December 23, 2020



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SUMMARY OF 2019 PROGRAM ACTIVITY

This report presents the results of Liberty Utilities (Granite State Electric) Corp.'s d/b/a Liberty Utilities ("Liberty Utilities" or "Company") residential and commercial & industrial energy efficiency programs for calendar year 2019.

Table 1a, Table 1b and Table 1c show the 2019 year-end performance for the commercial & industrial and residential programs and the annual goals and spending targets. Overall, the Company achieved 110% and 99% of its goals for annual and lifetime energy savings respectively. The Company achieved 110% and 103% of its goals for winter and summer demand savings. The Company achieved 111% of its planned participation while spending 92% of its planned budget in 2019. In addition, 87% of the annual, and 77% of the lifetime, total energy savings generated were for electricity.

Table 2a, Table 2b and Table 2c document the value created by the 2019 energy efficiency programs. Overall, efforts in 2019 created over \$13.8 million of value through achieved energy, demand and other resource savings.

Table 3a documents the Company's earned 2019 year-end performance incentive of \$196,000. As specified by the Commission, the performance incentive for 2019 has been documented using assumptions that are consistent with assumptions used to develop program-year goals. Table 3a summarizes the performance incentive calculation by component (commercial & industrial and residential). As specified by the Commission, results for all programs have been included in the performance incentive calculation.

Table 3b provides the actual Total Resource Cost (TRC) benefit/cost ratio for each program, by sector (commercial & industrial and residential), and for the entire portfolio of energy efficiency programs implemented in 2019. The overall benefit/cost ratio for energy efficiency efforts in 2019 for residential was 2.40 and for commercial & industrial was 1.88.

Table 3c documents the Company's savings by sector and program. Overall, the Company achieved 116,700 megawatt hours of lifetime energy savings.

Table 4 documents the Company's expenses by Program. Overall, the Company had a total of \$3,721,019 of expenses in 2019, including \$43,182 in ISO-NE FCM expenses.

Table 5 provides the 2019 year-end energy efficiency fund balance. The table reflects revenues collected in support of energy efficiency efforts, 2019 spending levels, and the 2019 incentive. Table 5 summarizes the 2019 year-end energy efficiency fund balances for both the residential and commercial & industrial sectors.

Table 6 documents the Company's earned 2019 year-end RGGI RFP – Retail & Large Business Energy Reduction Partners Program performance incentive of \$0.

Table 7a documents the Company's forecasted annualized kWh savings by month, commercial & industrial kW savings by month, and the total lost base revenue calculation.

Table 7b, Table 7c and Table 7d document the actual annualized kWh savings by month, the actual commercial & industrial kW savings by month, and the associated lost base revenue calculation. There was a total program actual annualized savings by month of 10,146,797 kWh, a total C&I actual savings by month of 534 kW, and a total lost base revenue of \$107,427 for 2019.

Table 8 details the calculation of average distribution rates, excluding customer, meter and luminaire charges calculation.

Table 1a. Program Cost-Effectiveness - 2019 PLAN

| | | | | | Prese | ent V | alue | 1 | | | | | | | | |
|-----------------------------------|---|----|--------------------|----------|----------------------------|-------|-----------------------|----|------------------------------------|--------------------------|----------------------------|-------------------------|-------------------------|----------------------------------|----------------------------|------------------------------|
| | Total Resource Benefit/Cost Ratio | - | Benefit (\$000) | (| Jtility Costs \$000) | | 1stomer ts (\$000) | | erformance Incentive (\$000) | Annual MWh Savings | Lifetime MWh Savings | Winter kW Savings | Summer kW Savings | Number of Customers Served | Annual MMBTU Savings | Lifetime MMBTU Savings |
| Residential Programs | | | . , | <u>`</u> | . , | | | | | 0 | Ŭ | 0 | 0 | | Ū | 0 |
| ENERGY STAR Homes | 6.30 | \$ | 1,663 | \$ | 185 | \$ | 79 | | | 329 | 7,935 | 33 | 77 | 73 | 1,171 | 29,189 |
| Home Performance with ENERGY STAR | 2.03 | \$ | 1,230 | \$ | 355 | \$ | 251 | | | 88 | 1,328 | 10 | 16 | 83 | 2,452 | 49,020 |
| ENERGY STAR Products ¹ | 2.10 | \$ | 729 | \$ | 302 | \$ | 46 | | | 988 | 6,469 | 269 | 118 | 14,459 | 132 | 1,886 |
| Home Energy Assistance | 1.73 | \$ | 1,196 | \$ | 690 | \$ | - | | | 173 | 1,698 | 11 | 14 | 72 | 1,998 | 45,207 |
| Home Energy Reports | 1.43 | \$ | 185 | \$ | 129 | \$ | - | | | 668 | 1,991 | 87 | 63 | 12,000 | - | - |
| ISO NE FCM - Residential | 0.00 | \$ | - | \$ | - | \$ | - | | | - | - | - | - | | - | - |
| | 0.00 | \$ | - | \$ | 20 | \$ | - | | | - | - | - | - | | - | - |
| Subtotal Residential | 2.43 | \$ | 5,003 | \$ | 1,681 | \$ | 376 | \$ | 92 | 2,246 | 19,421 | 410 | 288 | 26,686 | 5,753 | 125,301 |
| Commercial & Industrial Programs | | | | | | | | | | | | | | | | |
| Large Business | 2.73 | \$ | 6,180 | \$ | 1,231 | \$ | 1,030 | | | 4,717 | 67,850 | 522 | 617 | 101 | - | - |
| Small Business | 1.66 | \$ | 2,428 | \$ | 878 | \$ | 587 | | | 1,986 | 26,724 | 175 | 248 | 95 | - | - |
| C&I Education | 0.00 | \$ | - | \$ | 58 | \$ | - | | | - | - | - | - | - | - | - |
| Municipal | 1.36 | \$ | 396 | \$ | 167 | \$ | 125 | | | 275 | 3,850 | 25 | 37 | 5 | 59 | 1,485 |
| ISO NE FCM - C&I | 0.00 | \$ | - | \$ | 46 | \$ | - | | | - | - | - | | - | - | - |
| Subtotal Commercial & Industrial | 2.18 | \$ | 9,003 | \$ | 2,380 | \$ | 1,742 | \$ | 131 | 6,978 | 98,424 | 722 | 901 | 202 | 59 | 1,485 |
| Total | 2.27 | \$ | 14,006 | \$ | 4,061 | \$ | 2,118 | \$ | 223 | 9,224 | 117,845 | 1,132 | 1,190 | 26,888 | 5,812 | 126,787 |

Note: a 10% NEI adder is applied to total benefits, and an additional 10% NEI adder is applied to total benefits of the Home Energy Assistance program, excluding water.

| Annual kWh Savings | 9,224,361 | 84% kWh > 55% | Lifetime kWh Savings | 117,844,688 | 76% kWh > 55% |
|-------------------------------|------------|---------------|---------------------------------|-------------|---------------|
| Annual MMBTU Savings (in kWh) | 1,703,488 | 16% | Lifetime MMBTU Savings (in kWh) | 37,159,052 | 24% |
| | 10,927,849 | 100% | | 155.003.740 | 100% |

Table 1b. Program Cost-Effectiveness - 2019 ACTUAL

| | | | | Pres | ent V | alue | 1 | | | | | | | | |
|-----------------------------------|---|----|--------------------|------------------------------------|-------|--------------------------|----------------------------|-----|--------------------------|----------------------------|-------------------------|-------------------------|----------------------------------|----------------------------|------------------------------|
| | Total Resource Benefit/Cost Ratio | | Benefit (\$000) | J tility Costs \$000) | | Customer ists (\$000) | Perform Incent (\$00 | ive | Annual MWh Savings | Lifetime MWh Savings | Winter kW Savings | Summer kW Savings | Number of Customers Served | Annual MMBTU Savings | Lifetime MMBTU Savings |
| Residential Programs | | | | | | | | | | | | | | ě. | |
| ENERGY STAR Homes | 8.52 | \$ | 1,838 | \$ 168 | \$ | 48 | | | 130 | 2,909 | 6 | 3 | 40 | 2,536 | 58,863 |
| Home Performance with ENERGY STAR | 2.20 | \$ | 1,099 | \$ 314 | \$ | 185 | | | 106 | 1,877 | 10 | 24 | 62 | 1,936 | 41,458 |
| ENERGY STAR Products | 2.56 | \$ | 988 | \$ 318 | \$ | 67 | | | 1,313 | 8,776 | 356 | 160 | 19,138 | 171 | 2,443 |
| Home Energy Assistance | 0.91 | \$ | 610 | \$ 671 | \$ | - | | | 199 | 2,722 | 19 | 28 | 168 | 587 | 13,548 |
| Home Energy Reports | 2.16 | \$ | 282 | \$ 131 | \$ | - | | | 1,210 | 3,509 | 74 | 54 | 10,289 | - | - |
| ISO-NE FCM | 0.00 | \$ | - | \$ 19 | \$ | - | | | - | - | - | - | | - | - |
| Subtotal Residential | 2.40 | \$ | 4,817 | \$ 1,621 | \$ | 300 | \$ | 89 | 2,957.560 | 19,793.075 | 465.372 | 268.987 | 29,698 | 5,229 | 116,311 |
| Commercial & Industrial Programs | | | | | | | | | | | | | | | |
| Large Business | 2.11 | \$ | 5,238 | \$ 968 | \$ | 1,519 | | | 4,338 | 57,940 | 488 | 534 | 33 | - | - |
| Small Business | 1.92 | \$ | 3,073 | \$ 886 | \$ | 717 | | | 2,342 | 31,415 | 249 | 356 | 118 | - | - |
| C&I Education | 0.00 | \$ | - | \$ 54 | \$ | - | | | - | - | - | - | - | - | - |
| Municipal | 1.38 | \$ | 708 | \$ 167 | \$ | 346 | | | 542 | 7,552 | 47 | 68 | 19 | 56 | 1,104 |
| ISO-NE FCM | 0.00 | \$ | - | \$ 25 | \$ | - | | | - | - | - | - | - | - | - |
| Subtotal Commercial & Industrial | 1.88 | \$ | 9,019 | \$ 2,100 | \$ | 2,582 | \$ | 107 | 7,221.503 | 96,907.071 | 783.315 | 958.135 | 170 | 56 | 1,104 |
| Total | 2.03 | \$ | 13,836 | \$ 3,721 | \$ | 2,882 | \$ | 196 | 10,179 | 116,700 | 1,249 | 1,227 | 29,868 | 5,285 | 117,415 |
| Annual kWh Savings | | 10 |),179,064 | 87% | kV | Vh > 55% | 1 | | Lifetime kW | h Savings | | | 116,700,147 | 77% | kWh > 55% |
| Annual MMBTU Savings (in kWh) | | 1 | 1,548,928 | 13% | | | | | Lifetime MN | IBTU Savings | (in kWh) | | 34,412,381 | 23% | |
| Total Energy Savings | | 11 | 1,727,992 | 100% | - | | | | Total Energ | v Savings | | | 151,112,528 | 100% | |

Table 1c. Percent of Plan Program Cost-Effectiveness Targets Achieved

| | | | | Prese | ent Value | | | | | | | | |
|----------------------------------|-------|--|--------------------|-----------------------------|---------------------------|-------------------------------------|--------------------------|----------------------------|-------------------------|-------------------------|----------------------------------|----------------------------|------------------------------|
| | | otal Resource Benefit/Cost Ratio | Benefit (\$000) | Utility Costs (\$000) | Customer Costs (\$000) | Performance Incentive (\$000) | Annual MWh Savings | Lifetime MWh Savings | Winter kW Savings | Summer kW Savings | Number of Customers Served | Annual MMBTU Savings | Lifetime MMBTU Savings |
| Residential Programs | | 99% | 96% | 96% | 80% | 97% | 132% | 102% | 113% | 93% | 111% | 91% | 93% |
| Commercial & Industrial Programs | | 86% | 100% | 88% | 148% | 81% | 103% | 98% | 109% | 106% | 84% | 94% | 74% |
| | Total | 90% | 99% | 92% | 136% | 88% | 110% | 99% | 110% | 103% | 111% | 91% | 93% |

Table 2a. Present Value Benefits - 2019 PLAN

| | | | CA | PACITY | | | ENE | RGY | | | | | | | | |
|----------------------------------|------------------------------|----------------------|----------------------|--------------|--------------|----------------|--------------------|----------------|--------------------|-------------------|-----------------|--------------|----------------------------|---------------------|-------------------|-----------------------------------|
| | Total Benefits (\$000) | Summer Generation | Winter Generation | Transmission | Distribution | Winter Peak | Winter Off Peak | Summer Peak | Summer Off Peak | Electric DRIPE | Gas Benefits | Gas DRIPE | Other Fuels Benefits | Fossil Emissions | Water Benefits | Other Non Resource Benefits |
| Residential Programs | | | | | | | | | | | | | | | | |
| ENERGY STAR Homes | \$1,663 | \$116 | \$0 | \$127 | \$113 | \$118 | \$152 | \$49 | \$62 | \$33 | \$0 | \$0 | \$710 | \$34 | \$2 | \$148 |
| Home Performance w/Energy Star | \$1,230 | \$17 | \$0 | \$21 | \$18 | \$22 | \$27 | \$8 | \$10 | \$7 | \$0 | \$0 | \$940 | \$54 | \$0 | |
| ENERGY STAR Products | \$729 | \$39 | \$0 | \$69 | \$61 | \$156 | \$102 | \$65 | \$40 | \$28 | \$4 | \$0 | \$26 | \$2 | \$77 | \$59 |
| Home Energy Assistance | \$1,196 | | | \$18 | \$16 | \$34 | \$31 | \$13 | | \$7 | \$21 | \$1 | | | | |
| Home Energy Reports | \$185 | \$8 | \$0 | \$17 | \$15 | \$48 | \$41 | \$17 | \$15 | \$8 | \$0 | \$0 | \$0 | \$0 | \$0 | \$17 |
| Subtotal Residential | \$5,003 | \$195 | \$0 | \$252 | \$223 | \$377 | \$352 | \$152 | \$139 | \$83 | \$26 | \$1 | \$2,458 | \$146 | \$80 | \$521 |
| Commercial & Industrial Programs | | | | | | | | | | | | | | | | |
| Large Business | \$6,180 | \$518 | \$0 | \$679 | \$601 | \$1,411 | \$1,091 | \$590 | \$434 | \$294 | \$0 | \$0 | \$0 | \$0 | \$0 | \$562 |
| Small Business | \$2,428 | \$193 | \$0 | \$260 | \$230 | \$551 | \$445 | \$231 | \$177 | \$119 | \$0 | \$0 | \$0 | \$0 | \$0 | \$221 |
| C&I Education | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | \$0 |
| Municipal | \$396 | \$31 | \$0 | \$40 | \$36 | \$83 | \$61 | \$34 | \$23 | \$17 | \$0 | \$0 | \$33 | \$2 | \$0 | \$36 |
| Subtotal Commercial & Industrial | \$9,003 | \$742 | \$0 | \$979 | \$866 | \$2,045 | \$1,598 | \$855 | \$634 | \$431 | \$0 | \$0 | \$33 | \$2 | \$0 | \$818 |
| Total | \$14,006 | \$937 | \$0 | \$1,230 | \$1,089 | \$2,422 | \$1,950 | \$1,007 | \$773 | \$514 | \$26 | \$1 | \$2,490 | \$148 | \$80 | \$1,339 |

Table 2b. Present Value Benefits - 2019 ACTUAL

| | | | CA | PACITY | | | ENE | RGY | | | | | | | | · · · · · |
|----------------------------------|------------------------------|----------------------|----------------------|--------------|--------------|----------------|--------------------|----------------|--------------------|-------------------|-----------------|--------------|----------------------------|---------------------|-------------------|-----------------------------------|
| | Total Benefits (\$000) | Summer Generation | Winter Generation | Transmission | Distribution | Winter Peak | Winter Off Peak | Summer Peak | Summer Off Peak | Electric DRIPE | Gas Benefits | Gas DRIPE | Other Fuels Benefits | Fossil Emissions | Water Benefits | Other Non Resource Benefits |
| Residential Programs | | | | | | | | | | | | | | | | |
| ENERGY STAR Homes | \$1,838 | \$3 | \$0 | \$4 | \$4 | \$47 | \$53 | \$19 | \$21 | \$4 | \$0 | \$0 | \$1,449 | \$67 | \$5 | \$161 |
| Home Performance w/Energy Star | \$1,099 | | | \$32 | \$29 | \$29 | \$38 | \$11 | \$15 | | \$5 | \$0 | | \$45 | | 1.1.1 |
| ENERGY STAR Products | \$988 | \$55 | \$0 | \$96 | \$85 | \$210 | \$138 | \$88 | \$55 | \$40 | \$5 | \$0 | \$33 | \$2 | \$99 | \$81 |
| Home Energy Assistance | \$610 | \$26 | \$0 | \$32 | \$29 | \$50 | \$56 | \$17 | \$19 | \$13 | \$0 | \$0 | \$253 | | | \$99 |
| Home Energy Reports | \$282 | \$7 | \$0 | \$14 | \$13 | \$85 | \$72 | \$29 | \$26 | \$12 | \$0 | \$0 | \$0 | \$0 | \$0 | \$26 |
| Subtotal Residential | \$4,817 | \$118 | \$0 | \$180 | \$159 | \$421 | \$356 | \$165 | \$136 | \$78 | \$11 | \$0 | \$2,496 | \$132 | \$104 | \$461 |
| Commercial & Industrial Programs | | | | | | | | | | | | | | | | |
| Large Business | \$5,238 | \$416 | \$0 | \$558 | \$494 | \$1,200 | \$901 | \$538 | \$397 | \$256 | \$0 | \$0 | \$0 | \$0 | \$0 | \$476 |
| Small Business | \$3,073 | \$276 | \$0 | \$371 | \$328 | \$674 | \$508 | \$277 | \$198 | \$162 | \$0 | \$0 | \$0 | \$0 | \$0 | \$279 |
| C&I Education | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | \$0 |
| Municipal | \$708 | \$53 | \$0 | \$71 | \$63 | \$164 | \$119 | \$67 | \$46 | \$33 | \$0 | \$0 | \$28 | \$1 | \$0 | \$64 |
| Subtotal Commercial & Industrial | \$9,019 | \$744 | \$0 | \$1,000 | \$886 | \$2,038 | \$1,527 | \$883 | \$641 | \$451 | \$0 | \$0 | \$28 | \$1 | \$0 | \$820 |
| Total | \$13,836 | \$862 | \$0 | \$1,180 | \$1,045 | \$2,459 | \$1,883 | \$1,048 | \$777 | \$529 | \$11 | \$0 | \$2,524 | \$133 | \$104 | \$1,281 |

Table 2c. Percent of Plan Present Value Benefits Achieved

| | | | CA | PACITY | | | ENE | RGY | | | | | | | | |
|----------------------------------|------------------------------|----------------------|----------------------|--------------|--------------|----------------|--------------------|----------------|--------------------|-------------------|-----------------|--------------|----------------------------|---------------------|-------------------|-----------------------------------|
| | Total Benefits (\$000) | Summer Generation | Winter Generation | Transmission | Distribution | Winter Peak | Winter Off Peak | Summer Peak | Summer Off Peak | Electric DRIPE | Gas Benefits | Gas DRIPE | Other Fuels Benefits | Fossil Emissions | Water Benefits | Other Non Resource Benefits |
| Residential Programs | 96% | 61% | 0% | 71% | 71% | 112% | 101% | 109% | 98% | 93% | 41% | 43% | 102% | 90% | 130% | 89% |
| Commercial & Industrial Programs | 100% | 100% | 0% | 102% | 102% | 100% | 96% | 103% | 101% | 105% | 0% | 0% | 85% | 64% | 0% | 100% |
| Total | 99% | 92% | 0% | 96% | 96% | 102% | 97% | 104% | 100% | 103% | 41% | 43% | 101% | 90% | 130% | 96% |

| | Planned | <u>Actual</u> |
|--|-----------------|-----------------|
| Commercial & Industrial Incentive | | |
| 1. Benefit/Cost Ratio | 2.18 | 1.88 |
| 2. Threshold Benefit / Cost Ratio ¹ | 1.00 | 1.00 |
| 3. Lifetime kWh Savings | 98,424,088 | 96,907,071 |
| 4. Threshold Lifetime kWh Savings (65%) ² | 63,975,657 | 63,975,657 |
| 5. Implementation Expenses | \$ 2,379,917 | \$ 2,100,171 |
| 6. Benefit / Cost Percentage of Implementaton Expenses | 2.75% | 2.75% |
| 7. Lifetime kWh Percentage of Implementation Expenses | 2.75% | 2.75% |
| 8. Commercial & Industrial Performance Incentive | \$ 130,895 | \$ 106,662 |
| 9. Maximum Commercial & Industrial Performance Incentive | | |
| (6.875%) | \$ 163,619 | \$ 163,619 |
| Residential Incentive | | |
| 10. Benefit / Cost Ratio | 2.43 | 2.40 |
| 11. Threshold Benefit / Cost Ratio ¹ | 1.00 | 1.00 |
| 12. Lifetime kWh Savings | 19,420,600 | 19,793,075 |
| 13. Threshold Lifetime kWh Savings (65%) | 12,623,390 | 12,623,390 |
| 14. Implementation Expenses | \$ 1,680,951 | \$ 1,620,849 |
| 15. Benefit / Cost Percentage of Implementation Expenses | 2.75% | |
| 16. Lifetime kWh Percentage of Implementation Expenses | 2.75% | |
| 17. Residential Performance Incentive | \$ 92,452 | \$ 89,337 |
| 18. Maximum Residential Performance Incentive (6.875%) | \$ 115,565 | \$ 115,565 |
| 19. TOTAL PLANNED / EARNED INCENTIVE | \$ 223,348 | \$ 196,000 |

Table 3a. Performance Incentive Calculation - 2019

<u>Notes</u>

1. Actual Benefit / Cost Ratio for each sector must be greater than or equal to 1.0.

2. Actual Lifetime kWh Savings for each sector must be greater than or equal to 65% of projected savings.

3. Benefit Cost ratios are Nominal\$/Nominal\$

| | | P | lanned | I | Actual |
|-----|--|----|--------|----|--------|
| Cor | nmercial & Industrial: | | | | |
| 1. | Benefits (Value) From Eligible Programs | \$ | 9,003 | \$ | 9,019 |
| 2. | Implementation Expenses | \$ | 2,380 | \$ | 2,100 |
| 3. | Customer Contribution | \$ | 1,742 | \$ | 2,582 |
| 4. | Performance Incentive | \$ | 131 | \$ | 107 |
| 5. | Total Costs Including Performance Incentive | \$ | 4,253 | \$ | 4,789 |
| 6. | Benefit/Cost Ratio - Commercial & Industrial Sector | | 2.18 | | 1.93 |
| 7. | Benefit/Cost Ratio - Commercial & Industrial Sector including PI | | 2.18 | | 1.88 |
| Res | idential: | | | | |
| 8. | Benefits (Value) From Eligible Programs | \$ | 5,003 | \$ | 4,817 |
| 9. | Implementation Expenses | \$ | 1,681 | \$ | 1,621 |
| 10. | Customer Contribution | \$ | 376 | \$ | 300 |
| 11. | Performance Incentive | \$ | 92 | \$ | 89 |
| 12. | Total Costs Including Performance Incentive | \$ | 2,149 | \$ | 2,010 |
| 13. | Benefit/Cost Ratio - Residential Sector | | 2.43 | | 2.51 |
| | Benefit/Cost Ratio - Residential Sector including PI | | 2.33 | | 2.40 |

Table 3b. Planned Versus Actual Benefit / Cost Ratio by Sector - 2019

| | Lifetime kW | h Savings |
|--|----------------|-------------|
| | Planned | Actual |
| Commercial & Industrial: | | |
| Large Business | 67,850,378 | 57,940,088 |
| Small Business | 26,723,868 | 31,415,220 |
| C&I Education | 0 | 0 |
| Municipal | 3,849,842 | 7,551,764 |
| Total Commercial & Industrial Included for Incentive Calculation | 98,424,088 | 96,907,071 |
| Residential: | | |
| ENERGY STAR Homes | 7,935,055 | 2,908,931 |
| NH Home Performance with ENERGY STAR | 1,327,806 | 1,876,918 |
| ENERGY STAR Products | 6,469,068 | 8,776,072 |
| Home Energy Assistance | 1,697,671 | 2,722,154 |
| Home Energy Reports | 1,991,000 | 3,509,000 |
| Total Residential Included for Incentive Calculation | 19,420,600 | 19,793,075 |
| Total | 117,844,688 | 116,700,147 |

Table 3c. Actual Lifetime Energy Savings by Sector and Program - 2019

| | Ev | aluation | Ad | External ministration | Ad | Internal Iministration | Im | Internal plementation | I | Marketing | Rebates- Services | Total |
|-----------------------------------|----|----------|----|--------------------------|----|---------------------------|----|--------------------------|----|-----------|----------------------|-----------------|
| Residential Programs | | | | | | | | | | | | |
| ENERGY STAR Homes | \$ | 8,662 | \$ | 25 | \$ | 8,705 | \$ | 9,306 | \$ | 3,608 | \$ 137,659 | \$ 167,964 |
| Home Performance with ENERGY STAR | \$ | 16,611 | \$ | 48 | \$ | 26,828 | \$ | 21,123 | \$ | 8,574 | \$ 241,239 | \$ 314,424 |
| ENERGY STAR Products | \$ | 13,637 | \$ | 18 | \$ | 6,141 | \$ | 14,851 | \$ | 5,759 | \$ 278,041 | \$ 318,447 |
| Home Energy Assistance | \$ | 32,298 | \$ | 93 | \$ | 50,253 | \$ | 42,822 | \$ | 11,171 | \$ 533,885 | \$ 670,522 |
| Home Energy Reports | \$ | 3,022 | \$ | 8 | \$ | 3,015 | \$ | 5,230 | \$ | 2,055 | \$ 117,595 | \$ 130,924 |
| ISO-NE FCM | \$ | 18,568 | \$ | - | \$ | - | \$ | - | \$ | - | \$ - | \$ 18,568 |
| Subtotal Residential | \$ | 92,798 | \$ | 191 | \$ | 94,941 | \$ | 93,331 | \$ | 31,167 | \$ 1,308,420 | \$ 1,620,849 |
| Commercial & Industrial Programs | | | | | | | | | | | | |
| C&I Education | \$ | 2,943 | \$ | 8 | \$ | 1,394 | \$ | 7,651 | \$ | 438 | \$ 41,882 | \$ 54,316 |
| Large Business Energy Solutions | \$ | 56,697 | \$ | 166 | \$ | 13,725 | \$ | 96,804 | \$ | 14,281 | \$ 786,599 | \$ 968,272 |
| Small Business Energy Solutions | \$ | 40,422 | \$ | 118 | \$ | 12,184 | \$ | 78,836 | \$ | 13,939 | \$ 740,628 | \$ 886,127 |
| Municipal | \$ | 7,693 | \$ | 20 | \$ | 2,481 | \$ | 14,509 | \$ | 2,174 | \$ 139,966 | \$ 166,842 |
| ISO-NE FCM | \$ | 24,614 | \$ | - | \$ | - | \$ | - | \$ | - | \$ - | \$ 24,614 |
| Subtotal Commercial & Industrial | \$ | 132,369 | \$ | 312 | \$ | 29,783 | \$ | 197,800 | \$ | 30,833 | \$ 1,709,074 | \$ 2,100,171 |
| Total | \$ | 225,167 | \$ | 503 | \$ | 124,725 | \$ | 291,131 | \$ | 62,000 | \$ 3,017,494 | \$ 3,721,019 |

Table 4. Program Expenditures by Category - 2019 ACTUAL

Table 5. Revenue and Expense Balance12 Months Actual 2019

| 201 | 9 |
|-----|---|
|-----|---|

| 1 | Beginning Balance: 1/1/2019 | (Over) / Under | \$843,082.90 |
|---------|------------------------------|-----------------|----------------|
| Revenu | es | | |
| 2 | System Benefits Charge | | \$3,311,243.43 |
| 3 | RGGI Funding | | \$216,195.98 |
| 4 | FCM Payments | | \$738,155.71 |
| 5 | Interest | | \$91,898.86 |
| 6 | Total Revenues | Sum Lines 2 - 5 | \$4,357,493.98 |
| Expense | es | | |
| 7 | Program Expenses | | \$3,721,019.35 |
| 8 | Performance Incentive - 2019 | Table 3a | \$195,999.56 |
| 9 | Total Expenses | Sum Lines 7 - 8 | \$3,917,018.91 |
| 10 | Ending Balance: 12/31/2019 | Lines 1 + 6 - 9 | \$1,283,557.97 |

Table 6. RGGI RFP – Retail & Large Business Energy Reduction PartnersProgram Performance Incentive Calculation - 2019

| TOTAL RGGI RFP INCENTIVE EARNED | \$0 |
|---------------------------------|-------|
| Percentage for PI calculation | 7.50% |
| Total RGGI Grant Expenses 2019 | \$0 |

Table 7a. Lost Base Revenue - 2019 Forecast Estimated Monthly and Cumulative Savings (kWh) and Lost Base Revenue January 1, 2019 to December 31, 2019

| | | Carryforward : | Ferencet | Forecast | Forecast | Forecast | Forecast | Forecast | Forecast | Forecast | Forecast | Forecast | Forecast | Forecast | 2019 Annual MWh and |
|------|---|----------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------------|--------------|---------------------|
| Line | | 12/31/2018 | Jan 2019 | Feb 2019 | Mar 2019 | Apr 2019 | May 2019 | June 2019 | Jul 2019 | Aug 2019 | Sep 2019 | Oct 2019 | Nov 2019 | Dec 2019 | Monthly MW Savings |
| | Col. A | Col. B | Col. C | Col. D | Col. E | Col. F | Col. G | Col. H | Col. I | Col. J | Col. K | Col. L | Col. M | Col. N | Col. O |
| 1 | Residential Annual kWh Savings (2017, 2018, & 2019) | - | 187,203 | 187,203 | 187,203 | 187,203 | 187,203 | 187,203 | 187,203 | 187,203 | 187,203 | 187,203 | 187,203 | 187,203 | 2,246,440 |
| 2 | C&I Annual kWh Savings (2017 & 2018) | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3 | C&I Annual kWh Savings (2019) | - | 581,493 | 581,493 | 581,493 | 581,493 | 581,493 | 581,493 | 581,493 | 581,493 | 581,493 | 581,493 | 581,493 | 581,493 | 6,977,921 |
| 4 | C&I Monthly Installed kW Savings* | | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 736 |
| | | | | | | | | | | | | 110% cap | ped annualized | kWh savings | 10,146,797 |
| | | | | | | | | | | | | 110% ca | pped annualize | d kW savings | 810 |
| | | | | | | | | | | | | | | | Total 2019 |
| | | - | Jan 2019 | Feb 2019 | Mar 2019 | Apr 2019 | May 2019 | June 2019 | Jul 2019 | Aug 2019 | Sep 2019 | Oct 2019 | Nov 2019 | Dec 2019 | Lost Base Revenue |
| 5 | Monthly Residential Savings (2019) | | 14,400 | 14,400 | 14,400 | 14,400 | 14,400 | 14,400 | 14,400 | 14,400 | 14,400 | 14,400 | | 14,400 | |
| 6 | Cumulative Residential Savings | | 14,400 | 28,800 | 43,200 | 57,600 | 72,000 | 86,400 | 100,800 | 115,200 | 129,600 | 144,000 | | 172,800 | |
| 7 | Average Residential Distribution Rate | | 0.04349 | 0.04349 | 0.04349 | 0.04349 | 0.04349 | 0.04349 | 0.04349 | 0.04349 | 0.04349 | 0.04349 | | 0.04349 | |
| 8 | Lost Residential Revenue | | \$ 626 | \$ 1,253 | \$ 1,879 | \$ 2,505 | \$ 3,131 | \$ 3,758 | \$ 4,384 | \$ 5,010 | \$ 5,637 | \$ 6,263 | \$ 6,889 | \$ 7,516 | \$ 48,851 |
| 9 | Monthly C&I Savings (2017 & 2018) | | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10 | Average C&I kWh Distribution Rate | | - | - | - | - | - | - | - | - | - | - | - | | |
| 11 | Lost C&I kWh Revenue | | \$ - | \$ - | s - | s - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 12 | Monthly C&I Savings (2019) | | 44,731 | 48,458 | 48,458 | 48,458 | 48,458 | 48,458 | 48,458 | 48,458 | 48,458 | 48,458 | 48,458 | 48,458 | |
| 13 | Cumulative C&I Savings | | 44,731 | 89,463 | 134,194 | 178,925 | 223,656 | 268,388 | 313,119 | 357,850 | 402,581 | 447,313 | 492,044 | 536,775 | |
| 14 | Average C&I kWh Distribution Rate | | 0.00872 | 0.00872 | 0.00872 | 0.00872 | 0.00872 | 0.00872 | 0.00872 | 0.00872 | 0.00872 | 0.00872 | 0.00872 | 0.00872 | |
| 15 | Lost C&I kWH Revenue | | \$ 390 | \$ 780 | \$ 1,170 | \$ 1,560 | \$ 1,950 | \$ 2,340 | \$ 2,730 | \$ 3,120 | \$ 3,510 | \$ 3,900 | \$ 4,289 | \$ 4,679 | \$ 30,416 |
| 16 | Monthly C&I kW Savings (2019) | | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | |
| 17 | Cumulative Monthly C&I kW Savings | | 31 | 92 | 153 | 215 | 276 | 337 | 399 | 460 | 521 | 583 | 644 | 705 | |
| 18 | Average C&I Demand Rate | | \$ 7.77 | \$ 7.77 | \$ 7.77 | \$ 7.77 | \$ 7.77 | \$ 7.77 | \$ 7.77 | \$ 7.77 | \$ 7.77 | \$ 7.77 | \$ 7.77 | \$ 7.77 | |
| 19 | Lost C&I Demand Revenue | | \$ 238 | \$ 715 | \$ 1,191 | \$ 1,667 | \$ 2,144 | \$ 2,620 | \$ 3,096 | \$ 3,573 | \$ 4,049 | \$ 4,525 | \$ 5,002 | \$ 5,478 | \$ 34,297 |
| 20 | Total Lost C&I kWh and Demand Revenue | | \$ 628 | \$ 1,494 | \$ 2,361 | \$ 3,227 | \$ 4,093 | \$ 4,960 | \$ 5,826 | \$ 6,692 | \$ 7,559 | \$ 8,425 | \$ 9,291 | \$ 10,157 | \$ 64,714 |
| 21 | Total Lost Revenue | - | \$ 1,254 | \$ 2,747 | \$ 4,240 | \$ 5,732 | \$ 7,225 | \$ 8,717 | \$ 10,210 | \$ 11,703 | \$ 13,195 | \$ 14,688 | \$ 16,180 | \$ 17,673 | \$ 113,565 |

Lines 1-3: Company Forecast Line 4: Line 1 + Line 2 + Line 3 Line 5: Company Forecast Line 6: Line 5 Line 7: Line 2 / 12 Line 8: Prior Month Line 8 + Current Month Line 7 Line 9: Page 8, Column 7 Line 10: Line 8 x Line 9 Line 11: Line 1 / 12 Line 12: Page 8, Column 8 Line 43: Line 3 / 12 Line 15: Prior Month Line 15 + Current Month Line 14 Line 17: Line 15 x Line 16 Line 18: Line 5 / 12 Line 19: Line 19 x Line 10 Line 20: Page 8, Column 6 Line 21: Line 19 x Line 20 Line 22: Line 10 + Line 13 + Line 17 + Line 21

Table 7b. Lost Base Revenue - 2019 Actual Actual Monthly and Cumulative Savings (kWh) and Lost Base Revenue January 1, 2019 to December 31, 2019

| Line | Description | Carryforward as of 12/31/2018 | Actual Jan 2019 | Actual Feb 2019 | Actual Mar 2019 | Actual Apr 2019 | Actual May 2019 | Actual June 2019 | Actual Jul 2019 | Actual Aug 2019 | Actual Sep 2019 | Actual Oct 2019 | Actual Nov 2019 | Actual Dec 2019 | Cumulative Jan - Dec 2019 LBR Savings |
|------|---|-------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|
| | Col. A | Col. B | Col. C | Col. D | Col. E | Col. F | Col. G | Col. H | Col. I | Col. J | Col. K | Col. L | Col. M | Col. N | Col. O |
| 1 | Residential Annual kWh Savings (2017, 2018, & 2019) * | - | 498,438 | 204,028 | 186,872 | 191,830 | 184,745 | 259,243 | 122,472 | 252,446 | 319,469 | 243,598 | 259,148 | 203,002 | 2,925,291 |
| 2 | C&I Annual kWh Savings (2017 & 2018) | - | | | | | | | | | | | | | |
| 3 | C&I Annual kWh Savings (2019) | | 227,589 | 524,636 | 829,247 | 214,183 | 628,807 | 138,434 | 26,415 | 1,006,971 | 580,482 | 616,689 | 702,543 | 1,725,509 | 7,221,506 |
| 4 | C&I Annual Installed kW Savings | | 4.935 | 67.512 | 79.198 | 0.000 | 0.000 | 16.734 | 0.000 | 92.988 | 0.000 | 51.733 | 73.897 | 147.261 | 534 |
| | | | | | | | | | | | | 110% cap | ned annualized | l kWh savings | 10.146.797 |
| | | | | | | | | | | | | | | ed kW savings | 810 |
| | | | | | | | | | | | | | | | Cumulative 2017 - 2019 |
| 5 | Monthly Residential Savings (2017, 2018 & 2019) | | 41.537 | 17.002 | 15,573 | 15,986 | 15,395 | 21.604 | 10.206 | 21.037 | 26.622 | 20.300 | 21,596 | 16,917 | Cumulative 2017 - 2019 |
| 6 | Cumulative Residential Savings | | 41,537 | 58,539 | 74,112 | 90,097 | 105,493 | 127,096 | 137,302 | 158,339 | 184,962 | 205,262 | 226,857 | 243,774 | 1,653,370 |
| 7 | Average Residential Distribution Rate | | 0.04739 | 0.04739 | 0.04739 | 0.04739 | 0.04739 | 0.04739 | 0.04739 | 0.04739 | 0.04739 | 0.04739 | 0.04739 | 0.04739 | |
| 8 | Lost Residential Revenue | | \$ 1,968 | \$ 2,774 | \$ 3,512 | \$ 4,270 | \$ 4,999 | \$ 6,023 | \$ 6,507 | \$ 7,504 | \$ 8,765 | \$ 9,727 | \$ 10,751 | \$ 11,552 | \$ 78,353 |
| | | | | | | | | | | | | | | | |
| 9 | Monthly C&I Savings (2017 & 2018) | | | | | | | | | | | | | | Cumulative 2017 - 2019 |
| 10 | Cumulative C&I Savings | | - | | | | - | | | | | | - | - | _ |
| 11 | Average C&I kWh Distribution Rate | | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | |
| 12 | Lost C&I kWh Revenue | | \$ - | s - | \$ - | s - | \$ - | s - | \$ - | \$ - | \$ - | s - | \$ - | | \$ - |
| | M 11 0010 1 0010 | | 10.011 | 10 500 | | 18 0 10 | | | | | 10.080 | | | | |
| 13 | Monthly C&I Savings (2019) Cumulative C&I Savings | | 18,966 18,966 | 43,720 62,685 | 69,104 131,789 | 17,849 149,638 | 52,401 202,039 | 11,536 213,575 | 2,201 215,776 | 83,914 299,690 | 48,373 348,064 | 51,391 399,455 | 58,545 458,000 | 143,792 601,792 | 3,101,468 |
| 14 | Average C&I kWh Distribution Rate | | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 0.00881 | 5,101,408 |
| | Lost C&I kWH Revenue | | \$ 167 | \$ 552 | | | \$ 1,780 | | \$ 1.901 | \$ 2.640 | | \$ 3.519 | \$ 4.035 | | \$ 27.324 |
| 10 | Lost C&I KWH Revenue | | \$ 107 | \$ 332 | \$ 1,101 | \$ 1,518 | \$ 1,780 | \$ 1,662 | \$ 1,901 | \$ 2,040 | \$ 5,000 | \$ 5,519 | \$ 4,055 | \$ 5,502 | \$ 27,524 |
| 17 | Monthly C&I kW Savings (2019) | | 0.411 | 5.626 | 6.600 | | - | 1.394 | - | 7.749 | - | 4.311 | 6.158 | 12.272 | |
| 18 | Cumulative Monthly C&I kW Savings | | 0.411 | 6.037 | 12.637 | 12.637 | 12.637 | 14.031 | 14.031 | 21.780 | 21.780 | 26.092 | 32.250 | 44.521 | 219 |
| 19 | Average C&I Demand Rate | | \$ 7.9967 | \$ 7.997 | \$ 7.997 | \$ 7.997 | \$ 7.997 | \$ 7.997 | \$ 7.997 | \$ 7.997 | \$ 7.997 | \$ 7.997 | \$ 7.997 | \$ 7.997 | |
| 20 | Lost C&I Demand Revenue | | \$ 3 | \$ 48 | \$ 101 | \$ 101 | \$ 101 | \$ 112 | \$ 112 | \$ 174 | \$ 174 | \$ 209 | \$ 258 | \$ 356 | \$ 1,750 |
| 21 | Total Lost C&I kWh and Demand Revenue | | \$ 170 | \$ 601 | \$ 1,262 | \$ 1,419 | \$ 1,881 | \$ 1,994 | \$ 2,013 | \$ 2,814 | \$ 3,241 | \$ 3,728 | \$ 4,293 | \$ 5,658 | \$ 29,074 |
| 22 | Total Lost Revenue | | \$ 2.139 | \$ 3.375 | \$ 4,774 | \$ 5.689 | \$ 6.880 | \$ 8.017 | \$ 8.520 | \$ 10.318 | \$ 12,006 | \$ 13.455 | \$ 15.044 | \$ 17.210 | \$ 107,427 |
| 22 | Total Lost Revenue | | φ 2,139 | ¢ 3,373 | φ 4,//4 | φ 3,089 | φ 0,000 | φ 0,01 7 | φ 8,320 | φ 10,318 | φ 12,000 | ¢ 13,433 | φ 13,044 | φ 17,210 | φ 107,427 |

* the kWh savings were adjusted for the 110% cap reached during the month of November 2019

Lines 1-3: Actual Annualized Residential + Commercial Savings Line 4: Actual Annualized kW Savings Line 5: Line 1 / 12 Line 6: Prior Month Line 6 + Current Month Line 5 Line 7: GSE Avg Distribution Rates, Line 5, Col. D Line 8: Prior Month Line 8 + Current Month Line 7 Line 9: Cumalative historical savings Line 10: GSE Avg Distribution Rates, Line 12 Col. D Line 11: Prior Month Line 11 + Current Month Line 10 Line 12: Line 10 x Line 11 Line 13: Line 3 / 12 Line 14: Prior Month Line 14 + Current Month Line 13 Line 15: GSE Avg Distribution Rates, Line 14, Col. D Line 16: Line 14 x Line 15 Line 17: Line 4 / 12 Line 18: Prior Month Line 18 + Current Month Line 17 Line 29: GSE Avg Distribution Rates, Line 17, Col. D Line 20: Line 18 x Line 19 Line 21: Line 12 + Line 16 + Line 20 Line 22: Line 8 + Line 21

Table 7b. Lost Base Revenue - 2019 Actual Actual C&I kW Savings - New Component for Year 2019 January 1, 2019 to December 31, 2019

| Line No. | Description | Liberty |
|----------|--|-------------------|
| 1 | Gross Annualized kWh Savings | 4,337,870 |
| 2 | Maximum Demand Factor (MDF) | Varies by measure |
| 3 | Extended Max. Load Reduction kW | 816.8 |
| 4 | % kW Demand Reduction at Customer Peak | Varies by measure |
| 5 | Sub-Total Customer Peak kW Reduction | 534.3 |
| 6 | % Net to Gross | 100.00% |
| 7 | Sub-Total Customer Peak kW Reduction | 534.3 |
| 8 | % In-Service Rate | 100.00% |
| 9 | Sub-Total Customer Peak kW Reduction | 534.3 |
| 10 | % kW Realization Rate | Varies by measure |
| 11 | Sub-Total Customer Peak kW Reduction | 218.8 |
| 12 | % Billing Adjustment to Reflect Ratchets (1) | 100.00% |
| 13 | Sub-Total Customer Peak kW Reduction | 218.8 |
| 14 | % Retirement Adjustment | 100.00% |
| 15 | Total Customer Peak kW Reduction, Full Year | 218.8 |
| 16 | % Annual Savings Achieved in First Year | n/a |
| 17 | Total Customer Peak Red. in First Year | 218.8 |
| 18 | Annualized (x12) | 2,626.2 |
| 19 | Average Distribution Rate (ADR) | \$ 7.997 |
| 20 | LBR Calculation | \$ 1,750 |

Comments:

Above schedule mirrors the Template recommended by the LBRWG Report (p.6)

Table 7c. Lost Base Revenue - 2019 Actual Actual Calculation for LBR New Methodology for Year 2019 January 1, 2019 to December 31, 2019

| Description | Res | idential kWh | Cor | nmercial kWh | C&I kW | | Total |
|---|-----|--------------|-----|--------------|--------------|----|-----------|
| Legacy (Measures Installed in 2017 and 2018): (1) | | | | | | | |
| 1 Program Year 2017 Actual LBR Savings (2) | | - | | - | - | | - |
| 2 2019 Average Distribution Rate (ADR) | \$ | 0.0474 | \$ | 0.0088 | \$ - | | |
| 3 Sub-Total LBR | \$ | - | \$ | - | \$ - | \$ | - |
| 4 Program Year 2018 Estimated LBR Savings | \$ | - | \$ | - | - | | - |
| 5 2019 Average Distribution Rate (ADR) | \$ | 0.0474 | \$ | 0.0088 | \$ - | | |
| 6 Sub-Total LBR | \$ | - | \$ | - | \$ - | \$ | - |
| 7 Sub-Total Legacy (Measures Installed in 2017 and 2018) | | - | | - | - | | - |
| 8 Sub-Total Legacy LBR | \$ | - | \$ | - | \$ - | \$ | - |
| New Methodology (Measures Installed in 2019 and forward): | | | | | | | |
| 9 Program Year 2019 Estimated LBR Savings to be achieved (annualized) | | 2,925,291 | | 7,221,506 | 534 | 1 | 0,147,331 |
| 10 Program Year 2019 Estimated LBR Savings to be achieved in 2019 | | 1,653,370 | | 3,101,468 | 219 | | 4,755,058 |
| 11 2019 Average Distribution Rate (ADR) | \$ | 0.0474 | \$ | 0.0088 | \$ 7.9967 | | |
| 12 Sub-Total LBR (Line 2 x Line 3) | \$ | 78,353 | \$ | 27,324 | \$ 1,750 | \$ | 107,427 |
| 13 Total Actual LBR - Year 2019 | \$ | 78,353 | \$ | 27,324 | \$ 1,750 | \$ | 107,427 |

Comments:

New metholody disaggregates kWh and kW components as specified in the Settlement Agreement in DE 17-136 (Order No. 26,095).

Table 8. Calculation of Average Distribution Rates Excluding Customer, Meter, and per Luminaire Charges Based on 2019 actual data

| | - | 2019 Distribution Revenue | | | | | | | | | |
|------|---|---------------------------------|-----------|----------------------------|----|-------------------|--|--|--|--|--|
| | | Delivery | | | | | | | | | |
| Line | Rate Class | kWh | | Excluding Fixed Charges | | Average \$/kWh | | | | | |
| | Col. A | Col. B | | Col. C | | Col. D | | | | | |
| 1 | Residential Rate D | 269,097,087 | \$ | 12,930,181 | | 0011 0 | | | | | |
| 2 | Residential D-6 | 744,413 | \$ | 31,487 | | | | | | | |
| 3 | Residential TOU Rate D-10 All kWh | 5,390,208 | \$ | 196,947 | | | | | | | |
| 4 | Residential Electric Heat Rate T | 14,723,325 | \$ | 582,575 | | | | | | | |
| 5 | Residential Subtotal (kWh only) | 289,955,033 | \$ | 13,741,189 | \$ | 0.04739 | | | | | |
| 6 | General Service Rate G-1 All kWh | 377,564,381 | \$ | 1,297,424 | | | | | | | |
| 7 | General Service Rate G-1 Credit for High Voltage (KV) | - | \$ | (234,618) | | | | | | | |
| 8 | General Service Rate G-2 All kWh | 141,341,341 | \$ | 328,408 | | | | | | | |
| 9 | General Service Rate G-2 Credit for High Voltage (KV) | - | \$ | (1,814) | | | | | | | |
| 10 | General Service Rate G-3 All kWh | 86,048,678 | \$ | 3,926,553 | | | | | | | |
| 11 | Commercial Electric Heat Rate V All kWh | 325,565 | \$ | 15,239 | | | | | | | |
| 12 | Commercial and Industrial Subtotal (kWh only) | 605,279,965 | | 5,331,192 | \$ | 0.00881 | | | | | |
| 13 | Outdoor Lighting Rate M | - | \$ | - | | | | | | | |
| 14 | Total Retail | 895,234,998 | \$ | 19,072,381 | \$ | 0.02130 | | | | | |
| | | | | Distribution | | | | | | | |
| Line | Rate Class | KW | | Revenue | | <u>\$/KW</u> | | | | | |
| 15 | General Service Rate G-1 Demand Charge (KW) | 938,346 | \$ | 7,493,962 | | | | | | | |
| 16 | General Service Rate G-2 Demand Charge (KW) | 488,463 | <u>\$</u> | 3,915,864 | | | | | | | |
| 17 | Total Retail per KW | 1,426,809 | \$ | 11,409,826 | \$ | 7.99674 | | | | | |

*Excludes customer charge and street light luminaire charges.