## Appendix B

## Program Aggregations

Docket No. EL22-

| Cost / Benefit Tests For Normal Weather | Cost |  |  | Market-Based |  |  |
| ---: | :---: | :--- | :--- | :--- | :--- | :--- | :--- |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test | 5.21 | 0.87 | 0.92 | 0.93 | 0.92 | 1.19 |
| TRC Test | 5.21 | 0.87 | 0.92 | 0.93 | 0.92 | 1.19 |
| RIM Test | 4.09 | 0.69 | 0.72 | 0.73 | 0.72 | 0.93 |
| RIM (Net Fuel) | 4.09 | 0.69 | 0.72 | 0.73 | 0.72 | 0.93 |
| Societal Test | 5.21 | 0.87 | 0.92 | 0.93 | 0.92 | 1.19 |
| Participant Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |


| Present Values (PVs) of Costs and Benefits Per Test |  |  |  |  |  |  |
| :--- | :---: | :--- | :--- | :--- | :--- | :--- | :--- |
|  | Cost |  |  | Market-Based |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
|  |  |  |  |  |  |  |



| TRC Test | Reduced Arrears |
| ---: | ---: |
|  | Test Results |$|$


| RIM Test | S |  |  |  | . |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Avoided Electric Production | \$232.49 | \$206.13 | \$342.46 | \$362.25 | \$329.70 | \$1,113.80 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$12,274.35 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\& ${ }^{\text {d }}$ | \$2,268.43 | \$2,268.43 | \$2,268.43 | \$2,268.43 | \$2,268.43 | \$2,268.43 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$14,775.27 | \$2,474.56 | \$2,610.89 | \$2,630.68 | \$2,598.13 | \$3,382.23 |
| Administration Costs | \$1,636.25 | \$1,636.25 | \$1,636.25 | \$1,636.25 | \$1,636.25 | \$1,636.25 |
| Implementation/Participation Costs | \$1,199.75 | \$1,199.75 | \$1,199.75 | \$1,199.75 | \$1,199.75 | \$1,199.75 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$2,836.00 | \$2,836.00 | \$2,836.00 | \$2,836.00 | \$2,836.00 | \$2,836.00 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue | \$774.68 | \$743.81 | \$774.68 | \$774.68 | \$774.68 | \$795.70 |
| Gas Lost Revenue | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$774.68 | \$743.81 | \$774.68 | \$774.68 | \$774.68 | \$795.70 |
| Electric Lost Revenue (Net Fuel) | \$774.68 | \$743.81 | \$774.68 | \$774.68 | \$774.68 | \$795.70 |
| Gas Lost Revenue (Net Fuel) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$774.68 | \$743.81 | \$774.68 | \$774.68 | \$774.68 | \$795.70 |
| Sestal Results | 4.09 | 0.69 | 0.72 | 0.73 | 0.72 | 0.93 |
| Societal Test | 4.09 | 0.69 | 0.72 | 0.73 | 0.72 | 0.93 |


| Societal Test | 4.09 | 0.69 | 0.72 | 0.73 | 0.72 | 0.93 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Avoided Electric Production | \$232.49 | \$206.13 | \$342.46 | \$362.25 | \$329.70 | \$1,113.80 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$12,274.35 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$2,268.43 | \$2,268.43 | \$2,268.43 | \$2,268.43 | \$2,268.43 | \$2,268.43 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$14,775.27 | \$2,474.56 | \$2,610.89 | \$2,630.68 | \$2,598.13 | \$3,382.23 |
| Administration Costs | \$1,636.25 | \$1,636.25 | \$1,636.25 | \$1,636.25 | \$1,636.25 | \$1,636.25 |
| Implementation/ Participation Costs | \$1,199.75 | \$1,199.75 | \$1,199.75 | \$1,199.75 | \$1,199.75 | \$1,199.75 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$2,836.00 | \$2,836.00 | \$2,836.00 | \$2,836.00 | \$2,836.00 | \$2,836.00 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant Test $\quad$ Test Results | 5.21 | 0.87 | 0.92 | 0.93 | 0.92 | 1.19 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Tax Credits (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Bill Savings (Gross) | \$774.68 | \$743.81 | \$774.68 | \$774.68 | \$774.68 | \$795.70 |
| Gas Bill Savings (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$774.68 | \$743.81 | \$774.68 | \$774.68 | \$774.68 | \$795.70 |
| Test Results | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! |


|  | Cost Based | Market-Based |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Minimum | Today | Alternate | Option | Maximum |
| kW (Discounted) | 130.1352 | 130.1352 | 130.1352 | 130.1352 | 130.1352 | 130.1352 |
| kWh (Discounted) | 7801.2607 | 7490.3277 | 7801.2607 | 7801.2607 | 7801.2607 | 8012.9170 |
| CCF (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kW (Undiscounted) | 130.1352 | 130.1352 | 130.1352 | 130.1352 | 130.1352 | 130.1352 |
| kWh (Undiscounted) | 7801.2607 | 7490.3277 | 7801.2607 | 7801.2607 | 7801.2607 | 8012.9170 |
| CCF (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |


| NET BENEFITS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Total | Total | Net | Benfit/ |  |
| Benefits | Costs | Benefits | Cost Ratio |  |
| \$14,775.27 | \$2,836.00 | \$11,939.27 | 5.21 | Utility (PAC) Test |
| \$14,775.27 | \$2,836.00 | \$11,939.27 | 5.21 | TRC Test |
| \$14,775.27 | \$3,610.68 | \$11,164.59 | 4.09 | RIM Test |
| \$14,775.27 | \$3,610.68 | \$11,164.59 | 4.09 | RIM (Net Fuel) Test |
| \$14,775.27 | \$2,836.00 | \$11,939.27 | 5.21 | Societal Test |
| \$774.68 | \$0.00 | \$774.68 | inf. | Participant Test |
| Participants | kWh | Summer kW | Winter kW |  |
| 628 | 7,801.26 | 130.135 | 0.000 | nerator |
|  | 7,094 | 118.340 | 0.000 | Meter |
| Check: | 6,574 | Loss Factor: | 9.06\% |  |
| Implementation |  |  |  |  |
| Administration Costs | Costs | Other/Misc. Costs | Incentives | Total Costs |
| \$1,636.25 | \$1,199.75 | \$0.00 | \$0.00 | \$2,836.00 |



Impacts and Savings (Losses Included)




Appendix B
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| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Addess Capacity | T80 | Ancillay | Total | Production | Capacity | Total |
| 1 | \$342.46 | \$0.00 | \$2,268.43 | \$0.00 | \$2,610.89 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totals | \$342.46 | \$0.00 | \$2,268.43 | \$0.00 | \$2,610.89 | \$0.00 | \$0.00 | \$0.00 |

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)

| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T8D | Ancillay | Total | Production | Capacity | Total |
| 1 | \$232.49 | \$12,274.35 | \$2,268.43 | \$0.00 | \$14,775.27 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totals | \$232.49 | \$12,274.35 | \$2,268.43 | \$0.00 | \$14,775.27 | \$0.00 | \$0.00 | \$0.00 |

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value


| Discount: 7.09\% |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T\&D | Ancillary | Total |
| 1 | \$232.49 | \$12,274.35 | \$2,268.43 | \$0.00 | \$14,775.27 |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$232.49 | \$12,274.35 | \$2,268.43 | \$0.00 | \$14,775.27 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Docket No. EL22-

| Cost / Benefit Tests For Normal Weather |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost | Market-Based |  |  |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test | 0.37 | 0.25 | 0.40 | 0.43 | 0.39 | 1.06 |
| TRC Test | 0.39 | 0.26 | 0.43 | 0.45 | 0.41 | 1.12 |
| RIM Test | 0.22 | 0.15 | 0.24 | 0.25 | 0.23 | 0.62 |
| RIM (Net Fuel) | 0.22 | 0.15 | 0.24 | 0.25 | 0.23 | 0.62 |
| Societal Test | 0.45 | 0.30 | 0.49 | 0.51 | 0.47 | 1.28 |
| Participant Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |



## Utility (PAC/UCT) Test

| Utility (PAC/UCT) Test |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Avoided Electric Production | \$1,799.90 | \$1,592.00 | \$2,645.63 | \$2,799.11 | \$2,553.95 | \$7,170.27 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$631.10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$128.28 | \$128.28 | \$128.28 | \$128.28 | \$128.28 | \$128.28 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$2,559.28 | \$1,720.28 | \$2,773.91 | \$2,927.38 | \$2,682.23 | \$7,298.55 |
| Administration Costs | \$4,278.87 | \$4,278.87 | \$4,278.87 | \$4,278.87 | \$4,278.87 | \$4,278.87 |
| Implementation / Participation Costs | \$2,245.13 | \$2,245.13 | \$2,245.13 | \$2,245.13 | \$2,245.13 | \$2,245.13 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$350.00 | \$350.00 | \$350.00 | \$350.00 | \$350.00 | \$350.00 |
| Total | \$6,874.00 | \$6,874.00 | \$6,874.00 | \$6,874.00 | \$6,874.00 | \$6,874.00 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 0.37 | 0.25 | 0.40 | 0.43 | 0.39 | 1.06 |
| Test |  |  |  |  |  |  |


| Avoided Electric Production | \$1,799.90 | \$1,592.00 | \$2,645.63 | \$2,799.11 | \$2,553.95 | \$7,170.27 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$631.10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$128.28 | \$128.28 | \$128.28 | \$128.28 | \$128.28 | \$128.28 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$2,559.28 | \$1,720.28 | \$2,773.91 | \$2,927.38 | \$2,682.23 | \$7,298.55 |
| Administration Costs | \$4,278.87 | \$4,278.87 | \$4,278.87 | \$4,278.87 | \$4,278.87 | \$4,278.87 |
| Implementation / Participation Costs | \$2,245.13 | \$2,245.13 | \$2,245.13 | \$2,245.13 | \$2,245.13 | \$2,245.13 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$6,524.00 | \$6,524.00 | \$6,524.00 | \$6,524.00 | \$6,524.00 | \$6,524.00 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Tax Credits (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| RIM Test $\quad$ Test Results | 0.39 | 0.26 | 0.43 | 0.45 | 0.41 | 1.12 |



| Present Values (PVs) of Impacts |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CostBased | Market-Based |  |  |  |  |
|  |  | Minimum | Today | Alternate | Option | Maximum |
| kW (Discounted) | 16.8001 | 16.8001 | 16.8001 | 16.8001 | 16.8001 | 16.8001 |
| kWh (Discounted) | 61616.7974 | 59933.4828 | 61616.7974 | 61616.7974 | 61616.7974 | 62667.8281 |
| CCF (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kW (Undiscounted) | 16.8001 | 16.8001 | 16.8001 | 16.8001 | 16.8001 | 16.8001 |
| kWh (Undiscounted) | 61616.7974 | 59933.4828 | 61616.7974 | 61616.7974 | 61616.7974 | 62667.8281 |
| CCF (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |




Impacts and Savings (Losses Included)





Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)


| Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value |
| :--- |
| Cumulative Electric |


| Year | Cumulative Electric |  |  |  |  | Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Enerig | Adders Capacily | T8D | Ancilary | Total |  |
| 1 | \$312.46 | \$0.00 | \$18.30 | \$0.00 | \$330.77 |  |
| 2 | \$362.10 | \$0.00 | \$18.85 | \$0.00 | \$380.95 | \$0.00 |
| 3 | \$390.00 | \$0.00 | \$19.42 | \$0.00 | \$409.42 | \$0.00 |
| 4 | \$403.37 | \$0.00 | \$20.00 | \$0.00 | \$423.37 | \$0.00 |
| 5 | \$432.82 | \$0.00 | \$20.60 | \$0.00 | \$453.42 | \$0.00 |
| 6 | \$441.56 | \$0.00 | \$21.22 | \$0.00 | \$462.78 | \$0.00 |
| 7 | \$451.21 | \$0.00 | \$21.85 | \$0.00 | \$473.06 | \$0.00 |
| 8 | \$473.45 | \$0.00 | \$22.51 | \$0.00 | \$495.96 | \$0.00 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totals | \$3,266.97 | \$0.00 | \$162.76 | \$0.00 | \$3,429.73 | \$0.00 |


| Discount: 7.09\% |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T\&D | Ancillary | Total |
| 1 | \$220.21 | \$99.04 | \$18.30 | \$0.00 | \$337.55 |
| 2 | \$238.29 | \$92.48 | \$17.60 | \$0.00 | \$348.38 |
| 3 | \$239.66 | \$86.36 | \$16.93 | \$0.00 | \$342.95 |
| 4 | \$231.47 | \$80.64 | \$16.29 | \$0.00 | \$328.40 |
| 5 | \$231.92 | \$75.30 | \$15.66 | \$0.00 | \$322.89 |
| 6 | \$220.95 | \$70.32 | \$15.06 | \$0.00 | \$306.33 |
| 7 | \$210.82 | \$65.66 | \$14.49 | \$0.00 | \$290.97 |
| 8 | \$206.57 | \$61.31 | \$13.94 | \$0.00 | \$281.82 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$1,799.90 | \$631.10 | \$128.28 | \$0.00 | \$2,559.28 |
|  | (\$0.00) | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Docket No. EL22-

| Cost / Benefit Tests For Normal Weather |  |  |  |  |  |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost |  |  | Market-Based |  |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |  |
| Utility (PAC/UCT) Test | 3.58 | 2.84 | 4.65 | 4.92 | 4.49 | 12.43 |  |
| TRC Test | 1.52 | 1.21 | 1.98 | 2.9 | 1.91 | 5.29 |  |
| RIM Test | 0.43 | 0.35 | 0.56 | 0.60 | 0.55 | 1.49 |  |
| RIM (Net Fuel) | 0.43 | 0.35 | 0.56 | 0.60 | 0.55 | 1.49 |  |
| Societal Test | 2.11 | 1.68 | 2.75 | 2.91 | 2.66 | 7.35 |  |
| Participant Test | 4.79 | 4.67 | 4.79 | 4.79 | 4.79 | 4.86 |  |


|  | Cost |  |  | Market-Based |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test |  |  |  |  |  |  |
| Avoided Electric Production | \$562,568.69 | \$497,588.00 | \$826,905.97 | \$874,875.54 | \$798,250.97 | \$2,241,106.73 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$69,151.68 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$18,740.14 | \$18,740.14 | \$18,740.14 | \$18,740.14 | \$18,740.14 | \$18,740.14 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$650,460.52 | \$516,328.14 | \$845,646.11 | \$893,615.68 | \$816,991.11 | \$2,259,846.87 |
| Administration Costs | \$10,509.10 | \$10,509.10 | \$10,509.10 | \$10,509.10 | \$10,509.10 | \$10,509.10 |
| Implementation / Participation Costs | \$11,697.36 | \$11,697.36 | \$11,697.36 | \$11,697.36 | \$11,697.36 | \$11,697.36 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$159,575.00 | \$159,575.00 | \$159,575.00 | \$159,575.00 | \$159,575.00 | \$159,575.00 |
| Total | \$181,781.46 | \$181,781.46 | \$181,781.46 | \$181,781.46 | \$181,781.46 | \$181,781.46 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 3.58 | 2.84 | 4.65 | 4.92 | 4.49 | 12.43 |
| TRC Test |  |  |  |  |  |  |
| Avoided Electric Production | \$562,568.69 | \$497,588.00 | \$826,905.97 | \$874,875.54 | \$798,250.97 | \$2,241,106.73 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$69,151.68 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$18,740.14 | \$18,740.14 | \$18,740.14 | \$18,740.14 | \$18,740.14 | \$18,740.14 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$650,460.52 | \$516,328.14 | \$845,646.11 | \$893,615.68 | \$816,991.11 | \$2,259,846.87 |
| Administration Costs | \$10,509.10 | \$10,509.10 | \$10,509.10 | \$10,509.10 | \$10,509.10 | \$10,509.10 |
| Implementation/ Participation Costs | \$11,697.36 | \$11,697.36 | \$11,697.36 | \$11,697.36 | \$11,697.36 | \$11,697.36 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$22,206.46 | \$22,206.46 | \$22,206.46 | \$22,206.46 | \$22,206.46 | \$22,206.46 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$404,684.64 | \$404,684.64 | \$404,684.64 | \$404,684.64 | \$404,684.64 | \$404,684.64 |
| Participant or Unit Tax Credits (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 1.52 | 1.21 | 1.98 | 2.09 | 1.91 | 5.29 |
| RIM Test |  |  |  |  |  |  |
| Avoided Electric Production | \$562,568.69 | \$497,588.00 | \$826,905.97 | \$874,875.54 | \$798,250.97 | \$2,241,106.73 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$69,151.68 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$18,740.14 | \$18,740.14 | \$18,740.14 | \$18,740.14 | \$18,740.14 | \$18,740.14 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$650,460.52 | \$516,328.14 | \$845,646.11 | \$893,615.68 | \$816,991.11 | \$2,259,846.87 |
| Administration Costs | \$10,509.10 | \$10,509.10 | \$10,509.10 | \$10,509.10 | \$10,509.10 | \$10,509.10 |
| Implementation / Participation Costs | \$11,697.36 | \$11,697.36 | \$11,697.36 | \$11,697.36 | \$11,697.36 | \$11,697.36 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$159,575.00 | \$159,575.00 | \$159,575.00 | \$159,575.00 | \$159,575.00 | \$159,575.00 |
| Total | \$181,781.46 | \$181,781.46 | \$181,781.46 | \$181,781.46 | \$181,781.46 | \$181,781.46 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue | \$1,315,869.74 | \$1,279,262.45 | \$1,315,869.74 | \$1,315,869.74 | \$1,315,869.74 | \$1,338,373.99 |
| Gas Lost Revenue | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$1,315,869.74 | \$1,279,262.45 | \$1,315,869.74 | \$1,315,869.74 | \$1,315,869.74 | \$1,338,373.99 |
| Electric Lost Revenue (Net Fuel) | \$1,315,869.74 | \$1,279,262.45 | \$1,315,869.74 | \$1,315,869.74 | \$1,315,869.74 | \$1,338,373.99 |
| Gas Lost Revenue (Net Fuel) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$1,315,869.74 | \$1,279,262.45 | \$1,315,869.74 | \$1,315,869.74 | \$1,315,869.74 | \$1,338,373.99 |
| Test Results | 0.43 | 0.35 | 0.56 | 0.60 | 0.55 | 1.49 |
| Societal Test | 0.43 | 0.35 | 0.56 | 0.60 | 0.55 | 1.49 |
| Avoided Electric Production | \$781,394.83 | \$691,138.15 | \$1,148,553.15 | \$1,215,181.77 | \$1,108,752.03 | \$3,112,845.10 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$91,626.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$25,735.46 | \$25,735.46 | \$25,735.46 | \$25,735.46 | \$25,735.46 | \$25,735.46 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$898,756.69 | \$716,873.61 | \$1,174,288.60 | \$1,240,917.22 | \$1,134,487.48 | \$3,138,580.56 |
| Administration Costs | \$10,509.10 | \$10,509.10 | \$10,509.10 | \$10,509.10 | \$10,509.10 | \$10,509.10 |
| Implementation / Participation Costs | \$11,697.36 | \$11,697.36 | \$11,697.36 | \$11,697.36 | \$11,697.36 | \$11,697.36 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$22,206.46 | \$22,206.46 | \$22,206.46 | \$22,206.46 | \$22,206.46 | \$22,206.46 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$404,684.64 | \$404,684.64 | \$404,684.64 | \$404,684.64 | \$404,684.64 | \$404,684.64 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant Test Test Results | 2.11 | 1.68 | 2.75 | 2.91 | 2.66 | 7.35 |
|  |  |  |  |  |  |  |
| Participant or Unit Costs (Gross) | \$159,575.00 | \$159,575.00 | \$159,575.00 | \$159,575.00 | \$159,575.00 | \$159,575.00 |
|  | \$404,684.64 | \$404,684.64 | \$404,684.64 | \$404,684.64 | \$404,684.64 | \$404,684.64 |
| Participant or Unit Tax Credits (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Bill Savings (Gross) Gas Bill Savings (Gross) Total | \$1,778,058.72 | \$1,728,593.41 | \$1,778,058.72 | \$1,778,058.72 | \$1,778,058.72 | \$1,808,467.41 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$1,778,058.72 | \$1,728,593.41 | \$1,778,058.72 | \$1,778,058.72 | \$1,778,058.72 | \$1,808,467.41 |


| Present Values (PVs) of Impacts |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost Based | Market-Based |  |  |  |  |
|  |  | Minimum | Today | Alternate | Option | Maximum |
| kW (Discounted) | 1600.0505 | 1600.0505 | 1600.0505 | 1600.0505 | 1600.0505 | 1600.0505 |
| kWh (Discounted) | 21337397.8749 | 20754479.6326 | 21337397.8749 | 21337397.8749 | 21337397.8749 | 21701361.2775 |
| CCF (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kW (Undiscounted) | 1600.0505 | 1600.0505 | 1600.0505 | 1600.0505 | 1600.0505 | 1600.0505 |
| kWh (Undiscounted) | 21337397.8749 | 20754479.6326 | 21337397.8749 | 21337397.8749 | 21337397.8749 | 21701361.2775 |
| CCF (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |




Impacts and Savings (Losses Included)

| Year | Per Participant |  |  |  |  |  |  |  | Electric Impacts/Savings Cumulative |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | kw | kW (net) | Summer Coin kW | Summer Coin (net) | Winter CoinkW | Winter Coin (net) | kWh | kWh (net) | kV | kW (net) | Summer Coin kV | Summer Coin (nei) | Winter CoinkW | Winter Coin (net) | kWh | kWh (net) |
| 1 | 1.131 | ${ }^{1.131}$ | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 2 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 3 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 4 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 5 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 6 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 7 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 8 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 9 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 10 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 11 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 12 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 13 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 14 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 15 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 16 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 17 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 18 | 1.131 | 1.131 | 1.018 | 1.018 | 0.269 | 0.269 | 17,574.82 | 17,574.82 | 76 | 76 | 68 | 68 | 18 | 18 | 1,177,513 | 1,177,513 |
| 19 | 3.365 | 3.365 | 3.029 | 3.029 | 9.016 | 9.016 | 35,540.21 | 35,540.21 | 7 | 7 | 6 | 6 | 18 | 18 | 71,080 | 71,080 |
| 20 | 3.365 | 3.365 | 3.029 | 3.029 | 9.016 | 9.016 | 35,540.21 | 35,540.21 | 7 | 7 | 6 | 6 | 18 | 18 | 71,080 | 71,080 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 |  |  | 0 | 0 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 |  | 0 | 0 |  | 0 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |





Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)
Cumulative Electric


| Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value |  |
| :--- | :--- | :--- |
| Cumulative Electric |  |


| Year | Cumulative Electric |  |  |  |  | Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Eneray | dersic apacity | T8D | Ancilary | Total |  |
| 1 | \$47,770.01 | \$0.00 | \$1,397.25 | \$0.00 | \$49,167.26 | \$0.00 |
| 2 | \$55,358.16 | \$0.00 | \$1,439.17 | \$0.00 | \$56,797.33 | \$0.00 |
| 3 | \$59,624.05 | \$0.00 | \$1,482.35 | \$0.00 | \$61,106.39 | \$0.00 |
| 4 | \$61,668.52 | \$0.00 | \$1,526.82 | \$0.00 | \$63,195.34 | \$0.00 |
| 5 | \$66,170.31 | \$0.00 | \$1,572.62 | \$0.00 | \$67,742.93 | \$0.00 |
| 6 | \$67,507.08 | \$0.00 | \$1,619.80 | \$0.00 | \$69,126.88 | \$0.00 |
| 7 | \$68,981.46 | \$0.00 | \$1,668.39 | \$0.00 | \$70,649.85 | \$0.00 |
| 8 | \$72,382.37 | \$0.00 | \$1,718.44 | \$0.00 | \$74,100.82 | \$0.00 |
| 9 | \$76,766.20 | \$0.00 | \$1,770.00 | \$0.00 | \$78,536.20 | \$0.00 |
| 10 | \$82,132.96 | \$0.00 | \$1,823.10 | \$0.00 | \$83,956.06 | \$0.00 |
| 11 | \$87,027.91 | \$0.00 | \$1,877.79 | \$0.00 | \$88,905.70 | \$0.00 |
| 12 | \$92,257.05 | \$0.00 | \$1,934.12 | \$0.00 | \$94,191.18 | \$0.00 |
| 13 | \$95,024.77 | \$0.00 | \$1,992.15 | \$0.00 | \$97,016.91 | \$0.00 |
| 14 | \$97,875.51 | \$0.00 | \$2,051.91 | \$0.00 | \$99,927.42 | \$0.00 |
| 15 | \$100,811.77 | \$0.00 | \$2,113.47 | \$0.00 | \$102,925.24 | \$0.00 |
| 16 | \$103,836.13 | \$0.00 | \$2,176.87 | \$0.00 | \$106,013.00 | \$0.00 |
| 17 | \$106,951.21 | \$0.00 | \$2,242.18 | \$0.00 | \$109, 193.39 | \$0.00 |
| 18 | \$110,159.75 | \$0.00 | \$2,309.45 | \$0.00 | \$112,469.19 | \$0.00 |
| 19 | \$6,849.27 | \$0.00 | \$535.10 | \$0.00 | \$7,384.37 | \$0.00 |
| 20 | \$7,054.75 | \$0.00 | \$551.15 | \$0.00 | \$7,605.90 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | ,466,209.23 | \$0.00 | \$33,802.12 | \$0.00 | \$1,500,011.35 | \$0.00 |


| Cost / Benefit Tests For Normal Weather | Cost |  |  | Market-Based |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test | 5.10 | 3.79 | 6.19 | 64 | 5.98 | 16.47 |
| TRC Test | 2.44 | 1.81 | 2.96 | 3.13 | 2.86 | 7.87 |
| RIM Test | 0.47 | 0.36 | 0.58 | 0.61 | 0.56 | 1.51 |
| RIM (Net Fuel) | 0.47 | 0.36 | 0.58 | 0.61 | 0.56 | 1.51 |
| Societal Test | 3.25 | 2.43 | 3.98 | 4.20 | 3.84 | 10.59 |
| Participant Test | 8.11 | 7.87 | 8.11 | 8.11 | 8.11 | 8.26 |


| Present Values (PVs) of Costs and Benefits Per Test |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost |  |  | Market-Based |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test |  |  |  |  |  |  |
| Avoided Electric Production | \$151,985.84 | \$134,212.80 | \$223,352.41 | \$236,298.35 | \$215,591.14 | \$605,611.83 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$30,778.75 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$6,814.73 | \$6,814.73 | \$6,814.73 | \$6,814.73 | \$6,814.73 | \$6,814.73 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$189,579.33 | \$141,027.53 | \$230,167.15 | \$243,113.08 | \$222,405.87 | \$612,426.56 |
| Administration Costs | \$13,478.69 | \$13,478.69 | \$13,478.69 | \$13,478.69 | \$13,478.69 | \$13,478.69 |
| Implementation / Participation Costs | \$3,203.47 | \$3,203.47 | \$3,203.47 | \$3,203.47 | \$3,203.47 | \$3,203.47 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$20,504.86 | \$20,504.86 | \$20,504.86 | \$20,504.86 | \$20,504.86 | \$20,504.86 |
| Total | \$37,187.02 | \$37,187.02 | \$37,187.02 | \$37,187.02 | \$37,187.02 | \$37,187.02 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 5.10 | 3.79 | 6.19 | 6.54 | 5.98 | 16.47 |
| TRC Test |  |  |  |  |  |  |
| Avoided Electric Production | \$151,985.84 | \$134,212.80 | \$223,352.41 | \$236,298.35 | \$215,591.14 | \$605,611.83 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$30,778.75 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$6,814.73 | \$6,814.73 | \$6,814.73 | \$6,814.73 | \$6,814.73 | \$6,814.73 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Administration Costs | \$189,579.33 | \$141,027.53 | \$230,167.15 | \$243,113.08 | \$222,405.87 | \$612,426.56 |
|  | \$13,478.69 | \$13,478.69 | \$13,478.69 | \$13,478.69 | \$13,478.69 | \$13,478.69 |
| Implementation/ Participation Costs | \$3,203.47 | \$3,203.47 | \$3,203.47 | \$3,203.47 | \$3,203.47 | \$3,203.47 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$16,682.16 | \$16,682.16 | \$16,682.16 | \$16,682.16 | \$16,682.16 | \$16,682.16 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$61,091.18 | \$61,091.18 | \$61,091.18 | \$61,091.18 | \$61,091.18 | \$61,091.18 |
| Participant or Unit Tax Credits (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| $\begin{array}{r}\text { Other Benefits } \\ \text { Total } \\ \hline\end{array}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 2.44 | 1.81 | 2.96 | 3.13 | 2.86 | 7.87 |
| RIM Test |  |  |  |  |  |  |
| Avoided Electric Production | \$151,985.84 | \$134,212.80 | \$223,352.41 | \$236,298.35 | \$215,591.14 | \$605,611.83 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$30,778.75 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&DAvoided Electric Ancillary | \$6,814.73 | \$6,814.73 | \$6,814.73 | \$6,814.73 | \$6,814.73 | \$6,814.73 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$189,579.33 | \$141,027.53 | \$230,167.15 | \$243,113.08 | \$222,405.87 | \$612,426.56 |
| Administration CostsImplementation / Participation CostsOther / Miscellaneous Costs | \$13,478.69 | \$13,478.69 | \$13,478.69 | \$13,478.69 | \$13,478.69 | \$13,478.69 |
|  | \$3,203.47 | \$3,203.47 | \$3,203.47 | \$3,203.47 | \$3,203.47 | \$3,203.47 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$20,504.86 | \$20,504.86 | \$20,504.86 | \$20,504.86 | \$20,504.86 | \$20,504.86 |
| Total | \$37,187.02 | \$37,187.02 | \$37,187.02 | \$37,187.02 | \$37,187.02 | \$37,187.02 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue | \$361,970.46 | \$351,056.90 | \$361,970.46 | \$361,970.46 | \$361,970.46 | \$369,047.14 |
| Gas Lost Revenue | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$361,970.46 | \$351,056.90 | \$361,970.46 | \$361,970.46 | \$361,970.46 | \$369,047.14 |
| Electric Lost Revenue (Net Fuel) | \$361,970.46 | \$351,056.90 | \$361,970.46 | \$361,970.46 | \$361,970.46 | \$369,047.14 |
| Gas Lost Revenue (Net Fuel) ${ }_{\text {( }}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$361,970.46 | \$351,056.90 | \$361,970.46 | \$361,970.46 | \$361,970.46 | \$369,047.14 |
| Societal Test Test Results | 0.47 | 0.36 | 0.58 | 0.61 | 0.56 | 1.51 |
|  | 0.47 | 0.36 | 0.58 | 0.61 | 0.56 | 1.51 |
| Avoided Electric ProductionAvoided Electric Production Adders | \$204,410.37 | \$180,487.11 | \$300,389.09 | \$317,799.23 | \$289,948.92 | \$814,518.90 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric CapacityAvoided Electric T\&D | \$39,138.17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$8,861.14 | \$8,861.14 | \$8,861.14 | \$8,861.14 | \$8,861.14 | \$8,861.14 |
| Avoided Electric T\&D Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$252,409.67 | \$189,348.25 | \$309,250.22 | \$326,660.36 | \$298,810.06 | \$823,380.03 |
| Administration CostsImplementation/Participation Costs | \$13,478.69 | \$13,478.69 | \$13,478.69 | \$13,478.69 | \$13,478.69 | \$13,478.69 |
|  | \$3,203.47 | \$3,203.47 | \$3,203.47 | \$3,203.47 | \$3,203.47 | \$3,203.47 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$16,682.16 | \$16,682.16 | \$16,682.16 | \$16,682.16 | \$16,682.16 | \$16,682.16 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$61,091.18 | \$61,091.18 | \$61,091.18 | \$61,091.18 | \$61,091.18 | \$61,091.18 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 3.25 | 2.43 | 3.98 | 4.20 | 3.84 | 10.59 |
| Participant Test $\quad$ Test Results |  |  |  |  |  |  |
| Incentives | \$20,504.86 | \$20,504.86 | \$20,504.86 | \$20,504.86 | \$20,504.86 | \$20,504.86 |
|  | \$61,091.18 | \$61,091.18 | \$61,091.18 | \$61,091.18 | \$61,091.18 | \$61,091.18 |
| Participant or Unit Costs (Gross) Participant or Unit Tax Credits (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Bill Savings (Gross) Gas Bill Savings (Gross) | \$474,947.01 | \$460,559.92 | \$474,947.01 | \$474,947.01 | \$474,947.01 | \$484,303.08 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$474,947.01 | \$460,559.92 | \$474,947.01 | \$474,947.01 | \$474,947.01 | \$484,303.08 |
| Results | 8.1 | 7.87 | 8.11 | 8.11 | 8.11 |  |


| Present Values (PVs) of Impacts |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost | Market-Based |  |  |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| kW (Discounted) | 1018.1062 | 1018.1062 | 1018.1062 | 1018.1062 | 1018.1062 | 1018.1062 |
| kWh (Discounted) | 5650955.9642 | 5483307.6936 | 5650955.9642 | 5650955.9642 | 5650955.9642 | 5761109.0500 |
| CCF (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kW (Undiscounted) | 1018.1062 | 1018.1062 | 1018.1062 | 1018.1062 | 1018.1062 | 1018.1062 |
| kWh (Undiscounted) | 5650955.9642 | 5483307.6936 | 5650955.9642 | 5650955.9642 | 5650955.9642 | 5761109.0500 |
| CCF (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |


| NET BENEFITS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Total | Total | Net | Benfit/ |  |
| Benefits | Costs | Benefits | Cost Ratio |  |
| \$189,579.33 | \$37,187.02 | \$152,392.31 | 5.10 | Utility (PAC) Test |
| \$189,579.33 | \$77,773.34 | \$111,805.99 | 2.44 | TRC Test |
| \$189,579.33 | \$399,157.48 | (\$209,578.15) | 0.47 | RIM Test |
| \$189,579.33 | \$399,157.48 | (\$209,578.15) | 0.47 | RIM ( (Net Fuel) ${ }^{\text {Test }}$ |
| \$252,409.67 | \$77,773.34 | \$174,636.33 | 3.25 | Societal Test |
| \$495,451.87 | \$61,091.18 | \$434,360.69 | 8.11 | Participant Test |
| Participants | kWh | Summer kW | Winter kW |  |
| 7922 | 350,351.35 | 33.374 | 33.374 | Generator |
|  | 318,596 | 30.349 | 30.349 | Meter |
| Check: | 320,656 | Loss Factor: | 9.06\% |  |
|  | mplementation |  |  |  |
| Administration Costs | Costs | Other/Misc. Costs | Incentives | Total Costs |
| \$13,478.69 | \$3,203.47 | \$0.00 | \$20,504.86 | \$37,187.02 |



Impacts and Savings (Losses Included)


| Lost Revenue Dollars |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Lost Revenue per Participant |  |  | Cumulative Lost Revenue |  |  | Cumulative Lost Revenue (Net Fuel) |  |  |
|  |  |  |  | Net Freeiorop-Out | Net FreeProp-Out | Nef Freeorop-Out |  | Net Fuel Net Freel Irop-Out | Net fuel Net FreeOrop-Out |
| Year | Eleatric | Gas | Total | Eleatric | Gas | Total | Electric | Gas | Total |
|  | \$4.01 | \$0.00 | \$4.01 | \$31,752.60 | \$0.00 | \$31,752.60 | \$31,752.60 | \$0.00 | \$31,752.60 |
| 2 | \$4.09 | \$0.00 | \$4.09 | \$32,387.65 | \$0.00 | \$32,387.65 | \$32,387.65 | \$0.00 | \$32,387.65 |
| 3 | \$4.17 | \$0.00 | \$4.17 | \$33,035.40 | \$0.00 | \$33,035.40 | \$33,035.40 | \$0.00 | \$33,035.40 |
| 4 | \$4.25 | \$0.00 | \$4.25 | \$33,696.11 | \$0.00 | \$33,696.11 | \$33,696.11 | \$0.00 | \$33,696.11 |
| 5 | \$4.34 | \$0.00 | \$4.34 | \$34,370.03 | \$0.00 | \$34,370.03 | \$34,370.03 | \$0.00 | \$34,370.03 |
| 6 | \$4.43 | \$0.00 | \$4.43 | \$35,057.43 | \$0.00 | \$35,057.43 | \$35,057.43 | \$0.00 | \$35,057.43 |
| 7 | \$4.51 | \$0.00 | \$4.51 | \$35,758.58 | \$0.00 | \$35,758.58 | \$35,758.58 | \$0.00 | \$35,758.58 |
| 8 | \$4.60 | \$0.00 | \$4.60 | \$36,473.76 | \$0.00 | \$36,473.76 | \$36,473.76 | \$0.00 | \$36,473.76 |
| 9 | \$4.70 | \$0.00 | \$4.70 | \$37,203.23 | \$0.00 | \$37,203.23 | \$37,203.23 | \$0.00 | \$37,203.23 |
| 10 | \$4.79 | \$0.00 | \$4.79 | \$37,947.29 | \$0.00 | \$37,947.29 | \$37,947.29 | \$0.00 | \$37,947.29 |
| 11 | \$4.89 | \$0.00 | \$4.89 | \$38,706.24 | \$0.00 | \$38,706.24 | \$38,706.24 | \$0.00 | \$38,706.24 |
| 12 | \$4.98 | \$0.00 | \$4.98 | \$39,480.37 | \$0.00 | \$39,480.37 | \$39,480.37 | \$0.00 | \$39,480.37 |
| 13 | \$5.08 | \$0.00 | \$5.08 | \$40,269.97 | \$0.00 | \$40,269.97 | \$40,269.97 | \$0.00 | \$40,269.97 |
| 14 | \$5.18 | \$0.00 | \$5.18 | \$41,075.37 | \$0.00 | \$41,075.37 | \$41,075.37 | \$0.00 | \$41,075.37 |
| 15 | \$5.29 | \$0.00 | \$5.29 | \$41,896.88 | \$0.00 | \$41,896.88 | \$41,896.88 | \$0.00 | \$41,896.88 |
| 16 | \$19.23 | \$0.00 | \$19.23 | \$9,655.97 | \$0.00 | \$9,655.97 | \$9,655.97 | \$0.00 | \$9,655.97 |
| 17 | \$19.62 | \$0.00 | \$19.62 | \$9,849.09 | \$0.00 | \$9,849.09 | \$9,849.09 | \$0.00 | \$9,849.09 |
| 18 | \$20.01 | \$0.00 | \$20.01 | \$10,046.07 | \$0.00 | \$10,046.07 | \$10,046.07 | \$0.00 | \$10,046.07 |
| 19 | \$20.41 | \$0.00 | \$20.41 | \$10,246.99 | \$0.00 | \$10,246.99 | \$10,246.99 | \$0.00 | \$10,246.99 |
| 20 | \$20.82 | \$0.00 | \$20.82 | \$10,451.93 | \$0.00 | \$10,451.93 | \$10,451.93 | \$0.00 | \$10,451.93 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totas | \$169.41 | \$0.00 | \$169.41 | \$599,360.98 | \$0.00 | \$599,360.98 | \$599,360.98 | \$0.00 | \$599,360.98 |


| Utility Program Costs |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Overall Costs |  |  |  |  | Total Costs per kW, kWh, and CCF Saved (Losses Included) |  |  |  |  |  |
| Year | Administration | Implementaion |  | Other | Total | \$ KN |  |  |  | s C C ${ }^{\text {c }}$ | SICCF (net) |
| 1 | \$13,478.69 | \$3,203.47 | \$20,504.86 | \$0.00 | \$37,187.02 | \$557.13 | \$557.13 | \$0.11 | \$0.11 | \$0.00 | \$0.00 |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |


| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Adders Capacity | T8D | Ancillay | Total | Production | Capacity | Total |
| 1 | \$14,701.66 | \$0.00 | \$581.75 | \$0.00 | \$15,283.41 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$17,036.98 | \$0.00 | \$599.20 | \$0.00 | \$17,636.19 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$18,349.85 | \$0.00 | \$617.18 | \$0.00 | \$18,967.03 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$18,979.05 | \$0.00 | \$635.69 | \$0.00 | \$19,614.75 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$20,364.52 | \$0.00 | \$654.76 | \$0.00 | \$21,019.28 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$20,775.92 | \$0.00 | \$674.41 | \$0.00 | \$21,450.33 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$21,229.68 | \$0.00 | \$694.64 | \$0.00 | \$21,924.32 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$22,276.34 | \$0.00 | \$715.48 | \$0.00 | \$22,991.82 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$23,625.50 | \$0.00 | \$736.94 | \$0.00 | \$24,362.45 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$25,277.17 | \$0.00 | \$759.05 | \$0.00 | \$26,036.22 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$26,783.64 | \$0.00 | \$781.82 | \$0.00 | \$27,565.46 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$28,392.96 | \$0.00 | \$805.28 | \$0.00 | \$29,198.23 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$29,244.74 | \$0.00 | \$829.44 | \$0.00 | \$30,074.18 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$30,122.09 | \$0.00 | \$854.32 | \$0.00 | \$30,976.41 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$31,025.75 | \$0.00 | \$879.95 | \$0.00 | \$31,905.70 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$7,181.63 | \$0.00 | \$45.88 | \$0.00 | \$7,227.50 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$7,397.08 | \$0.00 | \$47.25 | \$0.00 | \$7,444.33 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$7,618.99 | \$0.00 | \$48.67 | \$0.00 | \$7,667.66 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$7,847.56 | \$0.00 | \$50.13 | \$0.00 | \$7,897.69 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$8,082.99 | \$0.00 | \$51.63 | \$0.00 | \$8,134.62 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totals | \$386,314.09 | \$0.00 | \$11,063.47 | \$0.00 | \$397,377.56 | \$0.00 | \$0.00 | \$0.00 |

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)

| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T80. | Ancillay | Total | Production | Capacity | Total |
| 1 | \$10,003.79 | \$3,147.81 | \$581.75 | \$0.00 | \$13,733.35 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$11,592.86 | \$3,147.81 | \$599.20 | \$0.00 | \$15,339.88 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$12,486.21 | \$3,147.81 | \$617.18 | \$0.00 | \$16,251.20 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$12,914.35 | \$3,147.81 | \$635.69 | \$0.00 | \$16,697.86 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$13,857.10 | \$3,147.81 | \$654.76 | \$0.00 | \$17,659.67 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$14,137.04 | \$3,147.81 | \$674.41 | \$0.00 | \$17,959.26 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$14,445.80 | \$3,147.81 | \$694.64 | \$0.00 | \$18,288.25 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$15,158.00 | \$3,147.81 | \$715.48 | \$0.00 | \$19,021.29 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$16,076.04 | \$3,147.81 | \$736.94 | \$0.00 | \$19,960.80 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$17,199.92 | \$3,147.81 | \$759.05 | \$0.00 | \$21,106.79 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$18,225.00 | \$3,147.81 | \$781.82 | \$0.00 | \$22,154.64 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$19,320.07 | \$3,147.81 | \$805.28 | \$0.00 | \$23,273.16 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$19,899.67 | \$3,147.81 | \$829.44 | \$0.00 | \$23,876.92 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$20,496.66 | \$3,147.81 | \$854.32 | \$0.00 | \$24,498.79 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$21,111.56 | \$3,147.81 | \$879.95 | \$0.00 | \$25,139.32 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$4,889.81 | \$159.33 | \$45.88 | \$0.00 | \$5,095.02 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$5,036.50 | \$159.33 | \$47.25 | \$0.00 | \$5,243.09 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$5,187.60 | \$159.33 | \$48.67 | \$0.00 | \$5,395.60 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$5,343.23 | \$159.33 | \$50.13 | \$0.00 | \$5,552.69 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$5,503.52 | \$159.33 | \$51.63 | \$0.00 | \$5,714.49 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| ${ }_{\text {25 }}{ }_{\text {Totals }}$ | $\xrightarrow{\$ 262,884.72}$ | $\stackrel{\text { \$ }}{\$ 48.000}$ | $\stackrel{\text { \$11,063.47 }}{ }$ | \$0.00 | ${ }_{\$ 321,962.08}$ | \$0.00 | \$0.00 | \$0.00 |

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value

| Year | Cumulative Electric |  |  |  |  | Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Adders Capaity |  | Ancilary | Total |  |
| 1 | \$14,191.01 | \$0.00 | \$581.75 | \$0.00 | \$14,772.76 | \$0.00 |
| 2 | \$16,445.22 | \$0.00 | \$599.20 | \$0.00 | \$17,044.42 | \$0.00 |
| 3 | \$17,712.48 | \$0.00 | \$617.18 | \$0.00 | \$18,329.66 | \$0.00 |
| 4 | \$18,319.83 | \$0.00 | \$635.69 | \$0.00 | \$18,955.53 | \$0.00 |
| 5 | \$19,657.18 | \$0.00 | \$654.76 | \$0.00 | \$20,311.94 | \$0.00 |
| 6 | \$20,054.29 | \$0.00 | \$674.41 | \$0.00 | \$20,728.70 | \$0.00 |
| 7 | \$20,492.28 | \$0.00 | \$694.64 | \$0.00 | \$21,186.92 | \$0.00 |
| 8 | \$21,502.59 | \$0.00 | \$715.48 | \$0.00 | \$22,218.07 | \$0.00 |
| 9 | \$22,804.89 | \$0.00 | \$736.94 | \$0.00 | \$23,541.84 | \$0.00 |
| 10 | \$24,399.19 | \$0.00 | \$759.05 | \$0.00 | \$25,158.24 | \$0.00 |
| 11 | \$25,853.33 | \$0.00 | \$781.82 | \$0.00 | \$26,635.15 | \$0.00 |
| 12 | \$27,406.75 | \$0.00 | \$805.28 | \$0.00 | \$28,212.03 | \$0.00 |
| 13 | \$28,228.95 | \$0.00 | \$829.44 | \$0.00 | \$29,058.39 | \$0.00 |
| 14 | \$29,075.82 | \$0.00 | \$854.32 | \$0.00 | \$29,930.14 | \$0.00 |
| 15 | \$29,948.10 | \$0.00 | \$879.95 | \$0.00 | \$30,828.04 | \$0.00 |
| 16 | \$6,930.18 | \$0.00 | \$45.88 | \$0.00 | \$6,976.05 | \$0.00 |
| 17 | \$7,138.08 | \$0.00 | \$47.25 | \$0.00 | \$7,185.33 | \$0.00 |
| 18 | \$7,352.22 | \$0.00 | \$48.67 | \$0.00 | \$7,400.89 | \$0.00 |
| 19 | \$7,572.79 | \$0.00 | \$50.13 | \$0.00 | \$7,622.92 | \$0.00 |
| 20 | \$7,799.97 | \$0.00 | \$51.63 | \$0.00 | \$7,851.61 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totals | \$372,885.17 | \$0.00 | \$11,063.47 | \$0.00 | \$383,948.64 | \$0.00 |


| Discount: 7.09\% |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T\&D | Ancillary | Total |
| 1 | \$10,003.79 | \$3,147.81 | \$581.75 | \$0.00 | \$13,733.35 |
| 2 | \$10,825.35 | \$2,939.41 | \$559.53 | \$0.00 | \$14,324.29 |
| 3 | \$10,887.61 | \$2,744.80 | \$538.16 | \$0.00 | \$14,170.58 |
| 4 | \$10,515.40 | \$2,563.08 | \$517.61 | \$0.00 | \$13,596.09 |
| 5 | \$10,536.02 | \$2,393.39 | \$497.84 | \$0.00 | \$13,427.25 |
| 6 | \$10,037.23 | \$2,234.93 | \$478.83 | \$0.00 | \$12,750.99 |
| 7 | \$9,577.41 | \$2,086.97 | \$460.54 | \$0.00 | \$12,124.91 |
| 8 | \$9,384.25 | \$1,948.80 | \$442.95 | \$0.00 | \$11,775.99 |
| 9 | \$9,293.68 | \$1,819.78 | \$426.03 | \$0.00 | \$11,539.49 |
| 10 | \$9,285.09 | \$1,699.30 | \$409.76 | \$0.00 | \$11,394.15 |
| 11 | \$9,187.10 | \$1,586.79 | \$394.11 | \$0.00 | \$11,168.00 |
| 12 | \$9,094.33 | \$1,481.74 | \$379.06 | \$0.00 | \$10,955.12 |
| 13 | \$8,746.99 | \$1,383.64 | \$364.58 | \$0.00 | \$10,495.21 |
| 14 | \$8,412.93 | \$1,292.03 | \$350.66 | \$0.00 | \$10,055.62 |
| 15 | \$8,091.62 | \$1,206.49 | \$337.27 | \$0.00 | \$9,635.38 |
| 16 | \$1,750.08 | \$57.03 | \$16.42 | \$0.00 | \$1,823.53 |
| 17 | \$1,683.24 | \$53.25 | \$15.79 | \$0.00 | \$1,752.28 |
| 18 | \$1,618.96 | \$49.73 | \$15.19 | \$0.00 | \$1,683.87 |
| 19 | \$1,557.12 | \$46.43 | \$14.61 | \$0.00 | \$1,618.17 |
| 20 | \$1,497.65 | \$43.36 | \$14.05 | \$0.00 | \$1,555.06 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$151,985.84 | \$30,778.75 | \$6,814.73 | \$0.00 | \$189,579.33 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | (\$0.00) |


| Cost/Benefit Tests For Normal Weather |  |  |  |  |  |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost |  |  | Market-Based |  |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |  |
| Utility (PAC/UCT) Test | 1.94 | 1.65 | 2.72 | 2.88 | 2.63 | 7.33 |  |
| TRC Test | 1.45 | 1.23 | 2.03 | 2.15 | 1.96 | 5.48 |  |
| RIM Test | 0.34 | 0.30 | 0.48 | 0.50 | 0.46 | 1.27 |  |
| RIM (Net Fuel) | 0.34 | 0.30 | 0.48 | 0.50 | 0.46 | 1.27 |  |
| Societal Test | 1.73 | 1.47 | 2.42 | 2.56 | 2.34 | 6.53 |  |
| Participant Test | 6.55 | 6.39 | 6.55 | 6.55 | 6.55 | 6.66 |  |


|  | Cost |  |  | Market-Based |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test |  |  |  |  |  |  |
| Avoided Electric Production | \$5,461.80 | \$4,830.93 | \$8,028.17 | \$8,493.89 | \$7,749.97 | \$21,758.20 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$256.74 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$70.80 | \$70.80 | \$70.80 | \$70.80 | \$70.80 | \$70.80 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$5,789.35 | \$4,901.73 | \$8,098.97 | \$8,564.70 | \$7,820.77 | \$21,829.00 |
| Administration Costs | \$380.00 | \$380.00 | \$380.00 | \$380.00 | \$380.00 | \$380.00 |
| Implementation / Participation Costs | \$813.90 | \$813.90 | \$813.90 | \$813.90 | \$813.90 | \$813.90 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$1,782.74 | \$1,782.74 | \$1,782.74 | \$1,782.74 | \$1,782.74 | \$1,782.74 |
| Total | \$2,976.64 | \$2,976.64 | \$2,976.64 | \$2,976.64 | \$2,976.64 | \$2,976.64 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 1.94 | 1.65 | 2.72 | 2.88 | 2.63 | 7.33 |
| TRC Test |  |  |  |  |  |  |
| Avoided Electric ProductionAvoided Electric Production Adders | \$5,461.80 | \$4,830.93 | \$8,028.17 | \$8,493.89 | \$7,749.97 | \$21,758.20 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$256.74 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$70.80 | \$70.80 | \$70.80 | \$70.80 | \$70.80 | \$70.80 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$5,789.35 | \$4,901.73 | \$8,098.97 | \$8,564.70 | \$7,820.77 | \$21,829.00 |
| Administration CostsImplementation / Participation Costs | \$380.00 | \$380.00 | \$380.00 | \$380.00 | \$380.00 | \$380.00 |
|  | \$813.90 | \$813.90 | \$813.90 | \$813.90 | \$813.90 | \$813.90 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| $\begin{array}{r}\text { Incentives } \\ \text { Total } \\ \hline\end{array}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$1,193.90 | \$1,193.90 | \$1,193.90 | \$1,193.90 | \$1,193.90 | \$1,193.90 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$2,791.00 | \$2,791.00 | \$2,791.00 | \$2,791.00 | \$2,791.00 | \$2,791.00 |
| Participant or Unit Tax Credits (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 1.45 | 1.23 | 2.03 | 2.15 | 1.96 | 5.48 |
| RIM Test |  |  |  |  |  |  |
| Avoided Electric Production Avoided Electric Production Adders | \$5,461.80 | \$4,830.93 | \$8,028.17 | \$8,493.89 | \$7,749.97 | \$21,758.20 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$256.74 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D Avoided Electric Ancillary | \$70.80 | \$70.80 | \$70.80 | \$70.80 | \$70.80 | \$70.80 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$5,789.35 | \$4,901.73 | \$8,098.97 | \$8,564.70 | \$7,820.77 | \$21,829.00 |
| Administration CostsImplementation/Participation Costs | \$380.00 | \$380.00 | \$380.00 | \$380.00 | \$380.00 | \$380.00 |
|  | \$813.90 | \$813.90 | \$813.90 | \$813.90 | \$813.90 | \$813.90 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$1,782.74 | \$1,782.74 | \$1,782.74 | \$1,782.74 | \$1,782.74 | \$1,782.74 |
| Total | \$2,976.64 | \$2,976.64 | \$2,976.64 | \$2,976.64 | \$2,976.64 | \$2,976.64 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue | \$13,998.49 | \$13,609.05 | \$13,998.49 | \$13,998.49 | \$13,998.49 | \$14,237.90 |
| Gas Lost Revenue | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$13,998.49 | \$13,609.05 | \$13,998.49 | \$13,998.49 | \$13,998.49 | \$14,237.90 |
| Electric Lost Revenue (Net Fuel) | \$13,998.49 | \$13,609.05 | \$13,998.49 | \$13,998.49 | \$13,998.49 | \$14,237.90 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$13,998.49 | \$13,609.05 | \$13,998.49 | \$13,998.49 | \$13,998.49 | \$14,237.90 |
| Societal Test Test Results | 0.34 | 0.30 | 0.48 | 0.50 | 0.46 | 1.27 |
|  | 0.34 | 0.30 | 0.48 | 0.50 | 0.46 | 1.27 |
| Avoided Electric Production Avoided Electric Production Adders | \$6,506.58 | \$5,755.02 | \$9,563.86 | \$10,118.67 | \$9,232.44 | \$25,920.28 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$300.90 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$83.77 | \$83.77 | \$83.77 | \$83.77 | \$83.77 | \$83.77 |
| Avoided Electric Ancillary Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$6,891.25 | \$5,838.79 | \$9,647.63 | \$10,202.44 | \$9,316.21 | \$26,004.05 |
| Administration Costs | \$380.00 | \$380.00 | \$380.00 | \$380.00 | \$380.00 | \$380.00 |
| Administration Costs Implementation/Participation Costs | \$813.90 | \$813.90 | \$813.90 | \$813.90 | \$813.90 | \$813.90 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$1,193.90 | \$1,193.90 | \$1,193.90 | \$1,193.90 | \$1,193.90 | \$1,193.90 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$2,791.00 | \$2,791.00 | \$2,791.00 | \$2,791.00 | \$2,791.00 | \$2,791.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant Test $\quad$ Test Results | 1.73 | 1.47 | 2.42 | 2.56 | 2.34 | 6.53 |
|  |  |  |  |  |  |  |
| Perticat ${ }_{\text {Incentives }}$ | \$1,782.74 | \$1,782.74 | \$1,782.74 | \$1,782.74 | \$1,782.74 | \$1,782.74 |
|  | \$2,791.00 | \$2,791.00 | \$2,791.00 | \$2,791.00 | \$2,791.00 | \$2,791.00 |
| Participant or Unit Tax Credits (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Bill Savings (Gross) Gas Bill Savings (Gross) | $\begin{gathered} \$ 16,509.81 \\ \$ 0.00 \end{gathered}$ | $\begin{gathered} \$ 16,050.51 \\ \$ 0.00 \end{gathered}$ | $\begin{gathered} \$ 16,509.81 \\ \$ 0.00 \end{gathered}$ | $\begin{gathered} \$ 16,509.81 \\ \$ 0.00 \end{gathered}$ | $\begin{gathered} \$ 16,509.81 \\ \$ 0.00 \end{gathered}$ | $\begin{gathered} \$ 16,792.16 \\ \$ 0.00 \end{gathered}$ |
| Total | \$16,509.81 | \$16,050.51 | \$16,509.81 | \$16,509.81 | \$16,509.81 | \$16,792.16 |
| esults | 6.55 | 6.39 | 6.55 | 6.55 | 6.55 | 6.66 |



| NET BENEFITS |  |  |  | Utility (PAC) TestTRC TestRIM TestRIM (Net Fuel) TestSocietal TestParticipant Test |
| :---: | :---: | :---: | :---: | :---: |
| Total | Total | Net | Benfit/ |  |
| \$5,789.35 | \$2,976.64 | \$2,812.71 | 1.94 |  |
| \$5,789.35 | \$3,984.90 | \$1,804.45 | 1.45 |  |
| \$5,789.35 | \$16,975.13 | (\$11,185.78) | 0.34 |  |
| \$5,789.35 | \$16,975.13 | (\$11,185.78) | 0.34 |  |
| \$6,891.25 | \$3,984.90 | \$2,906.35 | 1.73 |  |
| \$18,292.55 | \$2,791.00 | \$15,501.55 | 6.55 |  |
| Participants | kWh | Summer kW | Winter kW |  |
| 17 | 19,044.76 | 0.363 | 0.481 | Generator |
|  | 17,319 | 0.330 | 0.437 | Meter |
| Check: | 16,883 | Loss Factor: | 9.06\% |  |
|  | plementation |  |  |  |
| Administration Costs | Costs | Other/Misc. Costs | Incentives | Total Costs |
| \$380.00 | \$813.90 | \$0.00 | \$1,782.74 | \$2,976.64 |



Impacts and Savings (Losses Included)

| Year | Per Participant |  |  |  |  |  |  |  | Cumulative |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | kW | kW (net) | Summer Coin kW | Summer Coin (net) | Winter CoinkW | Winter Coin (net) | kWh | kWh (net) | kw | kW (net) | Summer Coin kV | Summer Coin (nei) | Winter Coink $k$ | Winter Coin (net) | kWh | KWh (net) |
| 1 | 0.031 | 0.031 | 0.021 | 0.021 | 0.028 | 0.028 | 1,120.28 | 1,120.28 | 1 | 1 | 0 | 0 | 0 | 0 | 19,045 | 19,045 |
| 2 | 0.031 | 0.031 | 0.021 | 0.021 | 0.028 | 0.028 | 1,120.28 | 1,120.28 | 1 | 1 | 0 | 0 | 0 | 0 | 19,045 | 19,045 |
| 3 | 0.031 | 0.031 | 0.021 | 0.021 | 0.028 | 0.028 | 1,120.28 | 1,120.28 | 1 | 1 | 0 | 0 | 0 | 0 | 19,045 | 19,045 |
| 4 | 0.031 | 0.031 | 0.021 | 0.021 | 0.028 | 0.028 | 1,120.28 | 1,120.28 | 1 | 1 | 0 | 0 | 0 | 0 | 19,045 | 19,045 |
| 5 | 0.031 | 0.031 | 0.021 | 0.021 | 0.028 | 0.028 | 1,120.28 | 1,120.28 | 1 | 1 | 0 | 0 | 0 | 0 | 19,045 | 19,045 |
| 6 | 0.031 | 0.031 | 0.021 | 0.021 | 0.028 | 0.028 | 1,120.28 | 1,120.28 | 1 | 1 | 0 | 0 | 0 | 0 | 19,045 | 19,045 |
| 7 | 0.031 | 0.031 | 0.021 | 0.021 | 0.028 | 0.028 | 1,120.28 | 1,120.28 | 1 | 1 | 0 | 0 | 0 | 0 | 19,045 | 19,045 |
| 8 | 0.031 | 0.031 | 0.021 | 0.021 | 0.028 | 0.028 | 1,120.28 | 1,120.28 | 1 | 1 | 0 | 0 | 0 | 0 | 19,045 | 19,045 |
| 9 | 0.031 | 0.031 | 0.021 | 0.021 | 0.028 | 0.028 | 1,120.28 | 1,120.28 | 1 | 1 | 0 | 0 | 0 | 0 | 19,045 | 19,045 |
| 10 | 0.031 | 0.031 | 0.021 | 0.021 | 0.028 | 0.028 | 1,120.28 | 1,120.28 | 1 | 1 | 0 | 0 | 0 | 0 | 19,045 | 19,045 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 |  |  | 0 | 0 | 0 | 0 |
| $\begin{array}{r}23 \\ 24 \\ \hline\end{array}$ | 0.000 0.000 | 0.000 0 0 | 0.000 0 0 | 0.000 0 0 | 0.000 0 0 | 0.000 0 0 | 0.00 0.00 | 0.00 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 25 | 0.000 0.000 | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | $\begin{aligned} & 0.000 \\ & 0.000 \\ & 0.00 \end{aligned}$ | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | 0.000 0.000 | 0.00 0.00 | $\begin{aligned} & 0.00 \\ & 0.00 \\ & 0.00 \end{aligned}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  |  |  |  |  |  | 11.203 | 11.203 |  |  |  |  |  |  | 190,448 | 90.448 |


| Lost Revenue Dollars |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Lost Revenue per Participant |  |  | Cumulative Lost Revenue |  |  | Cumulative Lost Revenue (Net Fuel) |  |  |
|  |  |  |  | Net Freeiorop-Out | Net FreeProp-Out | Nef Freeorop-Out | $\underset{\substack{\text { Net Fuel } \\ \text { Net Free Dropo-Uut }}}{\substack{\text { n }}}$ | Net Fuel Net Free Dropo-Uut | Net fuel Net Freelopopout |
| Year | Eleatric | Gas | Total | Eleatric | Gas | Total | Eleatric | Gas | Total |
|  | \$101.52 | \$0.00 | \$101.52 | \$1,725.88 | \$0.00 | \$1,725.88 | \$1,725.88 | \$0.00 | \$1,725.88 |
| 2 | \$103.55 | \$0.00 | \$103.55 | \$1,760.40 | \$0.00 | \$1,760.40 | \$1,760.40 | \$0.00 | \$1,760.40 |
| 3 | \$105.62 | \$0.00 | \$105.62 | \$1,795.61 | \$0.00 | \$1,795.61 | \$1,795.61 | \$0.00 | \$1,795.61 |
| 4 | \$107.74 | \$0.00 | \$107.74 | \$1,831.52 | \$0.00 | \$1,831.52 | \$1,831.52 | \$0.00 | \$1,831.52 |
| 5 | \$109.89 | \$0.00 | \$109.89 | \$1,868.15 | \$0.00 | \$1,868.15 | \$1,868.15 | \$0.00 | \$1,868.15 |
| 6 | \$112.09 | \$0.00 | \$112.09 | \$1,905.51 | \$0.00 | \$1,905.51 | \$1,905.51 | \$0.00 | \$1,905.51 |
| 7 | \$114.33 | \$0.00 | \$114.33 | \$1,943.62 | \$0.00 | \$1,943.62 | \$1,943.62 | \$0.00 | \$1,943.62 |
| 8 | \$116.62 | \$0.00 | \$116.62 | \$1,982.49 | \$0.00 | \$1,982.49 | \$1,982.49 | \$0.00 | \$1,982.49 |
| 9 | \$118.95 | \$0.00 | \$118.95 | \$2,022.14 | \$0.00 | \$2,022.14 | \$2,022.14 | \$0.00 | \$2,022.14 |
| 10 | \$121.33 | \$0.00 | \$121.33 | \$2,062.59 | \$0.00 | \$2,062.59 | \$2,062.59 | \$0.00 | \$2,062.59 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | $\underset{\$ 1.111 .64}{ }$ | \$ $\$ 0.00$ | $\xrightarrow{\$ 0.00}$ | $\xrightarrow{\$ 18.00}$ | $\$ 0.00$ $\$ 0.00$ | \$ $\$ 0.00$ | $\xrightarrow{\$ 18.00}$ | $\$ 0.00$ $\$ 0.00$ | $\xrightarrow{\$ 18.00}$ |




Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)

| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T8D | Ancilay | Total | Production | Capacity | Total |
| 1 | \$544.50 | \$34.28 | \$8.38 | \$0.00 | \$587.16 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$631.00 | \$34.28 | \$8.64 | \$0.00 | \$673.91 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$679.62 | \$34.28 | \$8.89 | \$0.00 | \$722.79 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$702.93 | \$34.28 | \$9.16 | \$0.00 | \$746.36 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$754.24 | \$34.28 | \$9.44 | \$0.00 | \$797.95 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$769.48 | \$34.28 | \$9.72 | \$0.00 | \$813.47 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$786.28 | \$34.28 | \$10.01 | \$0.00 | \$830.57 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$825.05 | \$34.28 | \$10.31 | \$0.00 | \$869.63 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$875.02 | \$34.28 | \$10.62 | \$0.00 | \$919.91 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$936.19 | \$34.28 | \$10.94 | \$0.00 | \$981.40 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totas | \$7,504.30 | \$342.76 | \$96.11 | \$0.00 | \$7,943.17 | \$0.00 | \$0.00 | \$0.00 |

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value

| Year | Cumulative Electric |  |  |  |  | Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Eneray | Adders Capacity | T\&D | Ancilary | Total |  |
| 1 | \$772.62 | \$0.00 | \$8.38 | \$0.00 | \$781.00 | \$0.00 |
| 2 | \$895.35 | \$0.00 | \$8.64 | \$0.00 | \$903.98 | \$0.00 |
| 3 | \$964.34 | \$0.00 | \$8.89 | \$0.00 | \$973.24 | \$0.00 |
| 4 | \$997.41 | \$0.00 | \$9.16 | \$0.00 | \$1,006.57 | \$0.00 |
| 5 | \$1,070.22 | \$0.00 | \$9.44 | \$0.00 | \$1,079.66 | \$0.00 |
| 6 | \$1,091.84 | \$0.00 | \$9.72 | \$0.00 | \$1,101.56 | \$0.00 |
| 7 | \$1,115.69 | \$0.00 | \$10.01 | \$0.00 | \$1,125.70 | \$0.00 |
| 8 | \$1,170.69 | \$0.00 | \$10.31 | \$0.00 | \$1,181.00 | \$0.00 |
| 9 | \$1,241.59 | \$0.00 | \$10.62 | \$0.00 | \$1,252.21 | \$0.00 |
| 10 | \$1,328.39 | \$0.00 | \$10.94 | \$0.00 | \$1,339.33 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |


| Discount: 7.09\% |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T\&D | Ancillary | Total |
| 1 | \$544.50 | \$34.28 | \$8.38 | \$0.00 | \$587.16 |
| 2 | \$589.22 | \$32.01 | \$8.06 | \$0.00 | \$629.29 |
| 3 | \$592.61 | \$29.89 | \$7.76 | \$0.00 | \$630.25 |
| 4 | \$572.35 | \$27.91 | \$7.46 | \$0.00 | \$607.72 |
| 5 | \$573.47 | \$26.06 | \$7.17 | \$0.00 | \$606.71 |
| 6 | \$546.32 | \$24.34 | \$6.90 | \$0.00 | \$577.56 |
| 7 | \$521.30 | \$22.72 | \$6.64 | \$0.00 | \$550.66 |
| 8 | \$510.78 | \$21.22 | \$6.38 | \$0.00 | \$538.39 |
| 9 | \$505.85 | \$19.82 | \$6.14 | \$0.00 | \$531.81 |
| 10 | \$505.39 | \$18.50 | \$5.91 | \$0.00 | \$529.79 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$5,461.80 | \$256.74 | \$70.80 | \$0.00 | \$5,789,35 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |


| Cost/Benefit Tests For Normal Weather |  |  |  |  |  |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost |  |  | Market-Based |  |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |  |
| Utility (PAC/UCT) Test | 3.73 | 2.88 | 4.70 | 4.97 | 4.54 | 12.54 |  |
| TRC Test | 1.67 | 1.29 | 2.10 | 2.22 | 2.03 | 5.61 |  |
| RIM Test | 0.45 | 0.35 | 0.56 | 0.60 | 0.55 | 1.48 |  |
| RIM (Net Fuel) | 0.45 | 0.35 | 0.56 | 0.60 | 0.55 | 1.48 |  |
| Societal Test | 2.27 | 1.77 | 2.89 | 3.06 | 2.80 | 7.72 |  |
| Participant Test | 5.25 | 5.11 | 5.25 | 5.25 | 5.25 | 5.33 |  |



| Present Values (PVs) of Impacts |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost Based | Market-Based |  |  |  |  |
|  |  | Minimum | Today | Alternate | Option | Maximum |
| kW (Discounted) | 2773.5357 | 2773.5357 | 2773.5357 | 2773.5357 | 2773.5357 | 2773.5357 |
| kWh (Discounted) | 27248219.4540 | 26490455.8400 | 27248219.4540 | 27248219.4540 | 27248219.4540 | 27726847.1952 |
| CCF (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kW (Undiscounted) | 2773.5357 | 2773.5357 | 2773.5357 | 2773.5357 | 2773.5357 | 2773.5357 |
| kWh (Undiscounted) | 27248219.4540 | 26490455.8400 | 27248219.4540 | 27248219.4540 | 27248219.4540 | 27726847.1952 |
| CCF (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |




Impacts and Savings (Losses Included)

| Year | Per Participant |  |  |  |  |  |  |  | Electric Impacts/Savings Cumulative |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | kW | kW (net) | Summer Coin kW | Summer Coin (net) | Winter Coink $k$ | Winter Coin (net) | kWh | kWh (net) | kN | kW (net) | Summer CoinkW | Summer Coin (nei) | Winter CoinkW | Winter Coin (net) | kWh | kWh (net) |
| 1 | 0.065 | 0.065 | 0.027 | 0.027 | 0.006 | 0.006 | 180.81 | 180.81 | 560 | 560 | 233 | 233 | 53 | 53 | 1,562,413 | 1,562,413 |
| 2 | 0.054 | 0.054 | 0.013 | 0.013 | 0.007 | 0.007 | 194.01 | 194.01 | 430 | 430 | 103 | 103 | 53 | 53 | 1,554,611 | 1,554,611 |
| 3 | 0.054 | 0.054 | 0.013 | 0.013 | 0.007 | 0.007 | 194.01 | 194.01 | 430 | 430 | 103 | 103 | 53 | 53 | 1,554,611 | 1,554,611 |
| 4 | 0.054 | 0.054 | 0.013 | 0.013 | 0.007 | 0.007 | 194.01 | 194.01 | 430 | 430 | 103 | 103 | 53 | 53 | 1,554,611 | 1,554,611 |
| 5 | 0.054 | 0.054 | 0.013 | 0.013 | 0.007 | 0.007 | 194.01 | 194.01 | 430 | 430 | 103 | 103 | 53 | 53 | 1,554,611 | 1,554,611 |
| 6 | 0.054 | 0.054 | 0.013 | 0.013 | 0.007 | 0.007 | 194.01 | 194.01 | 430 | 430 | 103 | 103 | 53 | 53 | 1,554,611 | 1,554,611 |
| 7 | 0.054 | 0.054 | 0.013 | 0.013 | 0.007 | 0.007 | 194.01 | 194.01 | 430 | 430 | 103 | 103 | 53 | 53 | 1,554,611 | 1,554,611 |
| 8 | 0.054 | 0.054 | 0.013 | 0.013 | 0.007 | 0.007 | 194.01 | 194.01 | 430 | 430 | 103 | 103 | 53 | 53 | 1,554,611 | 1,554,611 |
| 9 | 0.054 | 0.054 | 0.013 | 0.013 | 0.006 | 0.006 | 193.22 | 193.22 | 429 | 429 | 102 | 102 | 52 | 52 | 1,546,909 | 1,546,909 |
| 10 | 0.054 | 0.054 | 0.013 | 0.013 | 0.006 | 0.006 | 193.22 | 193.22 | 429 | 429 | 102 | 102 | 52 | 52 | 1,546,909 | 1,546,909 |
| 11 | 0.054 | 0.054 | 0.013 | 0.013 | 0.006 | 0.006 | 191.25 | 191.25 | 428 | 428 | 102 | 102 | 51 | 51 | 1,527,865 | 1,527,865 |
| 12 | 0.054 | 0.054 | 0.013 | 0.013 | 0.006 | 0.006 | 191.25 | 191.25 | 428 | 428 | 102 | 102 | 51 | 51 | 1,527,865 | 1,527,865 |
| 13 | 0.054 | 0.054 | 0.013 | 0.013 | 0.006 | 0.006 | 191.25 | 191.25 | 428 | 428 | 102 | 102 | 51 | 51 | 1,527,865 | 1,527,865 |
| 14 | 0.054 | 0.054 | 0.013 | 0.013 | 0.006 | 0.006 | 191.25 | 191.25 | 428 | 428 | 102 | 102 | 51 | 51 | 1,527,865 | 1,527,865 |
| 15 | 0.054 | 0.054 | 0.013 | 0.013 | 0.006 | 0.006 | 191.25 | 191.25 | 428 | 428 | 102 | 102 | 51 | 51 | 1,527,865 | 1,527,865 |
| 16 | 0.167 | 0.167 | 0.123 | 0.123 | 0.035 | 0.035 | 2,208.52 | 2,208.52 | 95 | 95 | 70 | 70 | 20 | 20 | 1,256,650 | 1,256,650 |
| 17 | 0.167 | 0.167 | 0.123 | 0.123 | 0.035 | 0.035 | 2,208.52 | 2,208.52 | 95 | 95 | 70 | 70 | 20 | 20 | 1,256,650 | 1,256,650 |
| 18 | 0.167 | 0.167 | 0.123 | 0.123 | 0.035 | 0.035 | 2,208.52 | 2,208.52 | 95 | 95 | 70 | 70 | 20 | 20 | 1,256,650 | 1,256,650 |
| 19 | 0.051 | 0.051 | 0.015 | 0.015 | 0.039 | 0.039 | 298.05 | 298.05 | 26 | 26 | 8 | 8 | 20 | 20 | 150,218 | 150,218 |
| 20 | 0.051 | 0.051 | 0.015 | 0.015 | 0.039 | 0.039 | 298.05 | 298.05 | 26 | 26 | 8 | 8 | 20 | 20 | 150,218 | 150,218 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 |  | 0 |  | , | 0 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |





Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)

| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity |  | Ancillay | Total | Production |  | Total |
| 1 | \$44,666.98 | \$21,986.56 | \$4,274.12 | \$0.00 | \$70,927.66 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$51,492.81 | \$9,712.21 | \$2,065.86 | \$0.00 | \$63,270.88 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$55,460.83 | \$9,712.21 | \$2,127.84 | \$0.00 | \$67,300.87 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$57,362.55 | \$9,712.21 | \$2,191.67 | \$0.00 | \$69,266.43 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$61,550.00 | \$9,712.21 | \$2,257.42 | \$0.00 | \$73,519.63 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$62,793.43 | \$9,712.21 | \$2,325.14 | \$0.00 | \$74,830.79 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$64,164.87 | \$9,712.21 | \$2,394.90 | \$0.00 | \$76,271.98 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$67,328.31 | \$9,712.21 | \$2,466.74 | \$0.00 | \$79,507.27 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$71,052.17 | \$9,613.18 | \$2,517.56 | \$0.00 | \$83,182.90 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$76,019.45 | \$9,613.18 | \$2,593.09 | \$0.00 | \$88,225.71 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$79,558.07 | \$9,578.90 | \$2,659.61 | \$0.00 | \$91,796.58 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$84,338.38 | \$9,578.90 | \$2,739.40 | \$0.00 | \$96,656.68 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$86,888.53 | \$9,578.90 | \$2,821.58 | \$0.00 | \$99,269.01 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$89,474.59 | \$9,578.90 | \$2,906.23 | \$0.00 | \$101,959.72 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$92,158.82 | \$9,578.90 | \$2,993.42 | \$0.00 | \$104,731.14 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$78,068.49 | \$6,590.42 | \$2,222.75 | \$0.00 | \$86,881.66 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$80,410.55 | \$6,590.42 | \$2,289.43 | \$0.00 | \$89,290.40 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$82,822.86 | \$6,590.42 | \$2,358.12 | \$0.00 | \$91,771.40 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$10,170.26 | \$730.69 | \$585.23 | \$0.00 | \$11,486.17 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$10,475.37 | \$730.69 | \$602.78 | \$0.00 | \$11,808.84 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totas | \$1,306,237.30 | \$178,325.55 | \$47,392.89 | \$0.00 | \$1,531,955.73 | \$0.00 | \$0.00 | \$0.00 |



| Year | Cumulative Electric |  |  |  |  | Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Adders Capaity |  | Ancilary | Total |  |
| 1 | \$63,375.79 | \$0.00 | \$4,274.12 | \$0.00 | \$67,649.91 |  |
| 2 | \$73,060.83 | \$0.00 | \$2,065.86 | \$0.00 | \$75,126.69 | \$0.00 |
| 3 | \$78,690.87 | \$0.00 | \$2,127.84 | \$0.00 | \$80,818.70 | \$0.00 |
| 4 | \$81,389.14 | \$0.00 | \$2,191.67 | \$0.00 | \$83,580.81 | \$0.00 |
| 5 | \$87,330.52 | \$0.00 | \$2,257.42 | \$0.00 | \$89,587.94 | \$0.00 |
| 6 | \$89,094.77 | \$0.00 | \$2,325.14 | \$0.00 | \$91,419.92 | \$0.00 |
| 7 | \$91,040.64 | \$0.00 | \$2,394.90 | \$0.00 | \$93,435.54 | \$0.00 |
| 8 | \$95,529.11 | \$0.00 | \$2,466.74 | \$0.00 | \$97,995.85 | \$0.00 |
| 9 | \$100,812.69 | \$0.00 | \$2,517.56 | \$0.00 | \$103,330.25 | \$0.00 |
| 10 | \$107,860.54 | \$0.00 | \$2,593.09 | \$0.00 | \$110,453.63 | \$0.00 |
| 11 | \$112,881.24 | \$0.00 | \$2,659.61 | \$0.00 | \$115,540.85 | \$0.00 |
| 12 | \$119,663.80 | \$0.00 | \$2,739.40 | \$0.00 | \$122,403.21 | \$0.00 |
| 13 | \$123,253.72 | \$0.00 | \$2,821.58 | \$0.00 | \$126,075.30 | \$0.00 |
| 14 | \$126,951.33 | \$0.00 | \$2,906.23 | \$0.00 | \$129,857.56 | \$0.00 |
| 15 | \$130,759.87 | \$0.00 | \$2,993.42 | \$0.00 | \$133,753.29 | \$0.00 |
| 16 | \$110,766.30 | \$0.00 | \$2,222.75 | \$0.00 | \$112,989.05 | \$0.00 |
| 17 | \$114,089.29 | \$0.00 | \$2,289.43 | \$0.00 | \$116,378.73 | \$0.00 |
| 18 | \$117,511.97 | \$0.00 | \$2,358.12 | \$0.00 | \$119,870.09 | \$0.00 |
| 19 | \$14,422.06 | \$0.00 | \$585.23 | \$0.00 | \$15,007.29 | \$0.00 |
| 20 | \$14,854.72 | \$0.00 | \$602.78 | \$0.00 | \$15,457.51 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| ${ }^{23}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$1,853,339.22 | \$0.00 | \$47,392.89 | \$0.00 | \$1,900,732.11 | \$0.00 |


| Discount: 7.09\% |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T\& | Ancillary | Total |
| 1 | \$44,666.98 | \$21,986.56 | \$4,274.12 | \$0.00 | \$70,927.66 |
| 2 | \$48,083.67 | \$9,069.21 | \$1,929.09 | \$0.00 | \$59,081.97 |
| 3 | \$48,360.25 | \$8,468.77 | \$1,855.41 | \$0.00 | \$58,684.43 |
| 4 | \$46,706.97 | \$7,908.09 | \$1,784.55 | \$0.00 | \$56,399.61 |
| 5 | \$46,798.55 | \$7,384.52 | \$1,716.39 | \$0.00 | \$55,899.46 |
| 6 | \$44,583.03 | \$6,895.62 | \$1,650.84 | \$0.00 | \$53,129.50 |
| 7 | \$42,540.62 | \$6,439.09 | \$1,587.79 | \$0.00 | \$50,567.50 |
| 8 | \$41,682.65 | \$6,012.79 | \$1,527.15 | \$0.00 | \$49,222.58 |
| 9 | \$41,075.79 | \$5,557.45 | \$1,455.42 | \$0.00 | \$48,088.67 |
| 10 | \$41,037.84 | \$5,189.51 | \$1,399.84 | \$0.00 | \$47,627.19 |
| 11 | \$40,104.68 | \$4,828.66 | \$1,340.69 | \$0.00 | \$46,274.03 |
| 12 | \$39,699.69 | \$4,508.97 | \$1,289.49 | \$0.00 | \$45,498.15 |
| 13 | \$38,183.48 | \$4,210.45 | \$1,240.24 | \$0.00 | \$43,634.17 |
| 14 | \$36,725.17 | \$3,931.69 | \$1,192.87 | \$0.00 | \$41,849.73 |
| 15 | \$35,322.55 | \$3,671.39 | \$1,147.31 | \$0.00 | \$40,141.26 |
| 16 | \$27,941.00 | \$2,358.74 | \$795.53 | \$0.00 | \$31,095.27 |
| 17 | \$26,873.88 | \$2,202.57 | \$765.15 | \$0.00 | \$29,841.60 |
| 18 | \$25,847.50 | \$2,056.75 | \$735.92 | \$0.00 | \$28,640.18 |
| 19 | \$2,963.82 | \$212.94 | \$170.55 | \$0.00 | \$3,347.30 |
| 20 | \$2,850.62 | \$198.84 | \$164.03 | \$0.00 | \$3,213.50 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$722,048.73 | \$113,092.62 | \$28,022.39 | \$0.00 | \$863,163.74 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | (\$0.00) |


|  | Cost | Market-Based |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test | 14.71 | 9.68 | 15.10 | 15.90 | 14.57 | 38.12 |
| TRC Test | 2.82 | 1.86 | 2.90 | 3.05 | 2.80 | 7.32 |
| RIM Test | 0.77 | 0.52 | 0.80 | 0.84 | 0.77 | 1.98 |
| RIM (Net Fuel) | 0.77 | 0.52 | 0.80 | 0.84 | 0.77 | 1.98 |
| Societal Test | 3.67 | 2.43 | 3.80 | 4.00 | 3.67 | 9.60 |
| Participant Test | 3.66 | 3.60 | 3.66 | 3.66 | 3.66 | 3.71 |


| Present Values (PVs) of Costs and Benefits Per Test |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost |  |  | Market-Based |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test |  |  |  |  |  |  |
| Avoided Electric Production Avoided Electric Production Adders | \$2,850,652.76 | \$2,569,763.99 | \$4,157,742.58 | \$4,391,660.66 | \$4,002,686.92 | \$10,894,429.91 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$1,191,624.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric TRDAvoided Electric Ancillary | \$263,027.88 | \$263,027.88 | \$263,027.88 | \$263,027.88 | \$263,027.88 | \$263,027.88 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$4,305,305.24 | \$2,832,791.87 | \$4,420,770.45 | \$4,654,688.53 | \$4,265,714.79 | \$11,157,457.78 |
| Administration Costs Implementation / Participation Costs | \$2,775.02 | \$2,775.02 | \$2,775.02 | \$2,775.02 | \$2,775.02 | \$2,775.02 |
|  | \$6,654.18 | \$6,654.18 | \$6,654.18 | \$6,654.18 | \$6,654.18 | \$6,654.18 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$283,295.00 | \$283,295.00 | \$283,295.00 | \$283,295.00 | \$283,295.00 | \$283,295.00 |
| Total | \$292,724.20 | \$292,724.20 | \$292,724.20 | \$292,724.20 | \$292,724.20 | \$292,724.20 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 14.71 | 9.68 | 15.10 | 15.90 | 14.57 | 38.12 |
| TRC Test |  |  |  |  |  |  |
| Avoided Electric ProductionAvoided Electric Production Adders | \$2,850,652.76 | \$2,569,763.99 | \$4,157,742.58 | \$4,391,660.66 | \$4,002,686.92 | \$10,894,429.91 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$1,191,624.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$263,027.88 | \$263,027.88 | \$263,027.88 | \$263,027.88 | \$263,027.88 | \$263,027.88 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$4,305,305.24 | \$2,832,791.87 | \$4,420,770.45 | \$4,654,688.53 | \$4,265,714.79 | \$11, 157,457.78 |
| Administration CostsImplementation / Participation Costs | \$2,775.02 | \$2,775.02 | \$2,775.02 | \$2,775.02 | \$2,775.02 | \$2,775.02 |
|  | \$6,654.18 | \$6,654.18 | \$6,654.18 | \$6,654.18 | \$6,654.18 | \$6,654.18 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$9,429.20 | \$9,429.20 | \$9,429.20 | \$9,429.20 | \$9,429.20 | \$9,429.20 |
| Reduced Amears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$1,515,416.00 | \$1,515,416.00 | \$1,515,416.00 | \$1,515,416.00 | \$1,515,416.00 | \$1,515,416.00 |
| Participant or Unit Tax Credits (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| RIM Test Test Results | 2.82 | 1.86 | 2.90 | 3.05 | 2.80 | 7.32 |
|  |  |  |  |  |  |  |
| Avoided Electric Production | \$2,850,652.76 | \$2,569,763.99 | \$4,157,742.58 | \$4,391,660.66 | \$4,002,686.92 | \$10,894,429.91 |
| Avoided Electric Production AddersAvoided Electric Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$1,191,624.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity Avoided Electric T\&D | \$263,027.88 | \$263,027.88 | \$263,027.88 | \$263,027.88 | \$263,027.88 | \$263,027.88 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$4,305,305.24 | \$2,832,791.87 | \$4,420,770.45 | \$4,654,688.53 | \$4,265,714.79 | \$11,157,457.78 |
| Administration CostsImplementation / Participation CostsOther / Miscellaneous Costs | \$2,775.02 | \$2,775.02 | \$2,775.02 | \$2,775.02 | \$2,775.02 | \$2,775.02 |
|  | \$6,654.18 | \$6,654.18 | \$6,654.18 | \$6,654.18 | \$6,654.18 | \$6,654.18 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$283,295.00 | \$283,295.00 | \$283,295.00 | \$283,295.00 | \$283,295.00 | \$283,295.00 |
| Total | \$292,724.20 | \$292,724.20 | \$292,724.20 | \$292,724.20 | \$292,724.20 | \$292,724.20 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue | \$5,264,614.25 | \$5,171,150.42 | \$5,264,614.25 | \$5,264,614.25 | \$5,264,614.25 | \$5,342,068.53 |
| Gas Lost Revenue ${ }_{\text {Total }}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$5,264,614.25 | \$5,171,150.42 | \$5,264,614.25 | \$5,264,614.25 | \$5,264,614.25 | \$5,342,068.53 |
| Electric Lost Revenue (Net Fuel) | \$5,264,614.25 | \$5,171,150.42 | \$5,264,614.25 | \$5,264,614.25 | \$5,264,614.25 | \$5,342,068.53 |
| Gas Lost Revenue (Net Fuel) ${ }_{\text {Total }}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$5,264,614.25 | \$5,171,150.42 | \$5,264,614.25 | \$5,264,614.25 | \$5,264,614.25 | \$5,342,068.53 |
| Societal Test $\quad$ Test Results | 0.77 | 0.52 | 0.80 | 0.84 | 0.77 | 1.98 |
|  | 0.77 | 0.52 | 0.80 | 0.84 | 0.77 | 1.98 |
| Societal Test | \$3,740,060.27 | \$3,371,533.83 | \$5,454,963.87 | \$5,761,864.70 | \$5,251,530.64 | \$14,293,506.73 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric CapacityAvoided Electric T\&D | \$1,508,896.13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$340,145.33 | \$340,145.33 | \$340,145.33 | \$340,145.33 | \$340,145.33 | \$340,145.33 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$5,589,101.73 | \$3,711,679.16 | \$5,795,109.20 | \$6,102,010.04 | \$5,591,675.97 | \$14,633,652.06 |
| Administration CostsImplementation / Participation Costs | \$2,775.02 | \$2,775.02 | \$2,775.02 | \$2,775.02 | \$2,775.02 | \$2,775.02 |
|  | \$6,654.18 | \$6,654.18 | \$6,654.18 | \$6,654.18 | \$6,654.18 | \$6,654.18 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$9,429.20 | \$9,429.20 | \$9,429.20 | \$9,429.20 | \$9,429.20 | \$9,429.20 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$1,515,416.00 | \$1,515,416.00 | \$1,515,416.00 | \$1,515,416.00 | \$1,515,416.00 | \$1,515,416.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant Test Test Results | 3.67 | 2.43 | 3.80 | 4.00 | 3.67 | 9.60 |
|  |  |  |  |  |  |  |
| Incentives | \$283,295.00 | \$283,295.00 | \$283,295.00 | \$283,295.00 | \$283,295.00 | \$283,295.00 |
| Participant or Unit Costs (Gross) | \$1,515,416.00 | \$1,515,416.00 | \$1,515,416.00 | \$1,515,416.00 | \$1,515,416.00 | \$1,515,416.00 |
| Participant or Unit Tax Credits (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Bill Savings (Gross)Gas Bill Savings (Gross) | \$5,264,614.25 | \$5,171,150.42 | \$5,264,614.25 | \$5,264,614.25 | \$5,264,614.25 | \$5,342,068.53 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$5,264,614.25 | \$5,171,150.42 | \$5,264,614.25 | \$5,264,614.25 | \$5,264,614.25 | \$5,342,068.53 |


| Present Values (PVs) of Impacts |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost | Market-Based |  |  |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| kW (Discounted) | 39024.1720 | 39024.1720 | 39024.1720 | 39024.1720 | 39024.1720 | 39024.1720 |
| kWh (Discounted) | \#\#\#\#\#\#\#\#\#\#\#\# | \#\#\#\#\#\#\#\#\#\#\#\# | \#\#\#\#\#\#\#\#\#\#\#\# | \#\#\#\#\#\#\#\#\#\#\#\# | \#\#\#\#\#\#\#\#\#\#\#\# | \#\#\#\#\#\#\#\#\#\#\#\# |
| CCF (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kW (Undiscounted) | 39024.1720 | 39024.1720 | 39024.1720 | 39024.1720 | 39024.1720 | 39024.1720 |
| kWh (Undiscounted) | \#\#\#\#\#\#\#\#\#\#\#\# | \#\#\#\#\#\#\#\#\#\#\#\# | \#\#\#\#\#\#\#\#\#\#\#\# | \#\#\#\#\#\#\#\#\#\#\#\# | \#\#\#\#\#\#\#\#\#\#\#\# | \#\#\#\#\#\#\#\#\#\#\#\# |
| CCF (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |


| NET BENEFITS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Total | Total | Net | Benfit/ |  |
| Benefits | Costs | Benefits | Cost Ratio |  |
| \$4,305,305.24 | \$292,724.20 | \$4,012,581.04 | 14.71 | Utility (PAC) Test |
| \$4,305,305.24 | \$1,524,845.20 | \$2,780,460.04 | 2.82 | TRC Test |
| \$4,305,305.24 | \$5,557,338.45 | (\$1,252,033.21) | 0.77 | RIM Test |
| \$4,305,305.24 | \$5,557,338.45 | (\$1,252,033.21) | 0.77 | RIM ( (et Fuel) Test |
| \$5,589,101.73 | \$1,524,845.20 | \$4,064,256.53 | 3.67 | Societal Test |
| \$5,547,909.25 | \$1,515,416.00 | \$4,032,493.25 | 3.66 | Participant Test |


| Participants | kWh | Summer kW | Winter kW |  |
| :---: | :---: | :---: | :---: | :---: |
| 347 | $\begin{array}{r} \hline 788,898.31 \\ 6,810,105 \\ \hline \end{array}$ | $1,302.665$ $1,184.592$ | $\begin{aligned} & \hline 1,298.946 \\ & 1,181.210 \\ & \hline \end{aligned}$ | Generator <br> Meter |
| Check: | 6,865,938 | Loss Factor: | 9.06\% |  |
| Implementation |  |  |  |  |
| Administration Costs | Costs | Other/Misc. Costs | Incentives | Total Costs |
| \$2,775.02 | \$6,654.18 | \$0.00 | \$283,295.00 | \$292,724.20 |


| Year | Participation |  |  |  |  |  | Total Participant CostsGross |  |  | Total Participant Costs Net Free Riders / Drop-Out |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { New } \\ \text { Participants } \end{gathered}$ | NewFree Rider | Cumulative Participants | Cumulative Free Riders | $\begin{aligned} & \text { Cumulative } \\ & \text { Participants } \end{aligned}$(net free riders) |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | One-Time |  | Total | One-Time | Annual | Total |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 347 | 0 | 347 | 0 | 347 | 347 | \$1,515,416.00 | \$0.00 | \$1,515,416.00 | \$1,515,416.00 | \$0.00 | \$1,515,416.00 |
| 2 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | 0 | 0 | 347 | 0 | 347 | 347 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| ${ }^{23}$ | 0 | 0 | 0 | 0 |  | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Toals | 347 | 0 | 5,205 | 0 | 5,205 | 5,205 | \$1,515,416 | \$0 | \$1,515,416 | \$1,515,416 | \$0 | \$1,515,416 |

Impacts and Savings (Losses Included)

| Year | Per Participant |  |  |  |  |  |  |  | Electric Impacts/Savings ${ }_{\text {Cumulative }}$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | kW | ${ }^{\mathrm{kN}}$ (nel) | Summer Coin kW | Summer Coin (net) | Winter Coin kW | Winter Coin (net) | kWh | kWh (net) | kw | ${ }^{\mathrm{kW}}$ ( nel) | Summer Coin kW | Summer Coin (net) | Winter CoinkW | Winter Coin (net) | kWh | kWh (net) |
|  | 4.813 | 4.813 | 3.754 | ${ }^{3.754}$ | ${ }^{3.743}$ | ${ }^{3.743}$ | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 |  |  | 7,488,898 | 7,488,898 |
| 2 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 3 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 4 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 5 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 6 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 7 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 8 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 9 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 10 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 11 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 12 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 13 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 14 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 15 | 4.813 | 4.813 | 3.754 | 3.754 | 3.743 | 3.743 | 21,581.84 | 21,581.84 | 1,670 | 1,670 | 1,303 | 1,303 | 1,299 | 1,299 | 7,488,898 | 7,488,898 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 |  |  | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 24 24 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.00 0.00 | 0.00 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | ${ }^{0.000}$ | 0.000 | 0.00 | 0.00 | 0 | , | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | ${ }^{0.00}$ | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



| Utility Program Costs |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Overall Costs |  |  |  |  | Total Costs per kW, kWh, and CCF Saved (Losses Included) |  |  |  |  |  |
| Year | Administation | Implementaion |  | Other | Total | \$ KN |  |  |  | s C C ${ }^{\text {c }}$ | SICCF (net) |
| 1 | \$2,775.02 | \$6,654.18 | \$283,295.00 | \$0.00 | \$292,724.20 | \$112.52 | \$112.52 | \$0.04 | \$0.04 | \$0.00 | \$0.00 |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| - | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |



Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)

| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T20 | Ancilay | Total | Production | Capacity | Total |
| 1 | \$198,203.77 | \$122,867.39 | \$22,707.19 | \$0.00 | \$343,778.35 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$229,687.99 | \$122,867.39 | \$23,388.40 | \$0.00 | \$375,943.78 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$247,387.67 | \$122,867.39 | \$24,090.06 | \$0.00 | \$394,345.11 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$255,870.46 | \$122,867.39 | \$24,812.76 | \$0.00 | \$403,550.61 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$274,548.92 | \$122,867.39 | \$25,557.14 | \$0.00 | \$422,973.45 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$280,095.37 | \$122,867.39 | \$26,323.85 | \$0.00 | \$429,286.61 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$286,212.77 | \$122,867.39 | \$27,113.57 | \$0.00 | \$436, 193.73 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$300,323.57 | \$122,867.39 | \$27,926.98 | \$0.00 | \$451,117.94 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$318,512.64 | \$122,867.39 | \$28,764.79 | \$0.00 | \$470,144.82 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$340,779.98 | \$122,867.39 | \$29,627.73 | \$0.00 | \$493,275.10 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$361,089.75 | \$122,867.39 | \$30,516.56 | \$0.00 | \$514,473.70 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$382,786.13 | \$122,867.39 | \$31,432.06 | \$0.00 | \$537,085.57 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$394,269.71 | \$122,867.39 | \$32,375.02 | \$0.00 | \$549,512.12 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$406,097.80 | \$122,867.39 | \$33,346.27 | \$0.00 | \$562,311.46 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$418,280.74 | \$122,867.39 | \$34,346.66 | \$0.00 | \$575,494.78 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | ${ }_{\text {\$1 }}$ \$4.00 | \$0.00 | \$0.00 | \$0.00 | $\stackrel{\text { S0.00 }}{ }$ | \$0.00 | \$0.00 |


| Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value |  |
| :--- | :--- | :--- |
| Cumulative Electric |  |


| Year | Cumulative Electric |  |  |  |  | Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Eneray | Adders Capaity |  | Ancilary | Total |  |
| 1 | \$278,303.85 | \$0.00 | \$22,707.19 | \$0.00 | \$301,011.04 | \$0.00 |
| 2 | \$322,511.78 | \$0.00 | \$23,388.40 | \$0.00 | \$345,900.19 | \$0.00 |
| 3 | \$347,364.43 | \$0.00 | \$24,090.06 | \$0.00 | \$371,454.49 | \$0.00 |
| 4 | \$359,275.38 | \$0.00 | \$24,812.76 | \$0.00 | \$384,088.14 | \$0.00 |
| 5 | \$385,502.37 | \$0.00 | \$25,557.14 | \$0.00 | \$411,059.51 | \$0.00 |
| 6 | \$393,290.29 | \$0.00 | \$26,323.85 | \$0.00 | \$419,614.15 | \$0.00 |
| 7 | \$401,879.92 | \$0.00 | \$27,113.57 | \$0.00 | \$428,993.49 | \$0.00 |
| 8 | \$421,693.32 | \$0.00 | \$27,926.98 | \$0.00 | \$449,620.30 | \$0.00 |
| 9 | \$447,233.14 | \$0.00 | \$28,764.79 | \$0.00 | \$475,997.92 | \$0.00 |
| 10 | \$478,499.37 | \$0.00 | \$29,627.73 | \$0.00 | \$508,127.10 | \$0.00 |
| 11 | \$507,016.93 | \$0.00 | \$30,516.56 | \$0.00 | \$537,533.49 | \$0.00 |
| 12 | \$537,481.46 | \$0.00 | \$31,432.06 | \$0.00 | \$568,913.52 | \$0.00 |
| 13 | \$553,605.91 | \$0.00 | \$32,375.02 | \$0.00 | \$585,980.93 | \$0.00 |
| 14 | \$570,214.09 | \$0.00 | \$33,346.27 | \$0.00 | \$603,560.36 | \$0.00 |
| 15 | \$587,320.51 | \$0.00 | \$34,346.66 | \$0.00 | \$621,667.17 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totals | \$6,591,192.75 | \$0.00 | \$422,329.03 | \$0.00 | \$7,013,521.78 | \$0.00 |


| Discount: 7.09\% |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T\&D | Ancillary | Total |
| 1 | \$198,203.77 | \$122,867.39 | \$22,707.19 | \$0.00 | \$343,778.35 |
| 2 | \$214,481.27 | \$114,732.83 | \$21,839.95 | \$0.00 | \$351,054.05 |
| 3 | \$215,744.93 | \$107,136.83 | \$21,005.84 | \$0.00 | \$343,857.60 |
| 4 | \$208,340.35 | \$100,043.73 | \$20,203.58 | \$0.00 | \$328,587.66 |
| 5 | \$208,748.84 | \$93,420.23 | \$19,431.96 | \$0.00 | \$321,601.03 |
| 6 | \$198,866.36 | \$87,235.26 | \$18,689.81 | \$0.00 | \$304,791.43 |
| 7 | \$189,755.99 | \$81,459.76 | \$17,976.01 | \$0.00 | \$289,191.75 |
| 8 | \$185,928.94 | \$76,066.63 | \$17,289.46 | \$0.00 | \$279,285.03 |
| 9 | \$184,134.57 | \$71,030.57 | \$16,629.14 | \$0.00 | \$271,794.27 |
| 10 | \$183,964.41 | \$66,327.92 | \$15,994.04 | \$0.00 | \$266,286.36 |
| 11 | \$182,022.88 | \$61,936.61 | \$15,383.19 | \$0.00 | \$259,342.68 |
| 12 | \$180,184.77 | \$57,836.04 | \$14,795.67 | \$0.00 | \$252,816.48 |
| 13 | \$173,303.12 | \$54,006.94 | \$14,230.59 | \$0.00 | \$241,540.66 |
| 14 | \$166,684.30 | \$50,431.36 | \$13,687.10 | \$0.00 | \$230,802.76 |
| 15 | \$160,318.26 | \$47,092.50 | \$13,164.36 | \$0.00 | \$220,575.12 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$2,850,652.76 | \$1,191,624.60 | \$263,027.88 | \$0.00 | \$4,305,305.24 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |


|  | Cost | Market-Based |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test | 4.19 | 3.06 | 4.83 | 5.10 | 4.66 | 12.38 |
| TRC Test | 1.57 | 1.15 | 1.81 | 1.91 | 1.75 | 4.64 |
| RIM Test | 0.80 | 0.59 | 0.92 | 0.97 | 0.89 | 2.31 |
| RIM (Net Fuel) | 0.80 | 0.59 | 0.92 | 0.97 | 0.89 | 2.31 |
| Societal Test | 2.02 | 1.49 | 2.35 | 2.48 | 2.27 | 6.02 |
| Participant Test | 2.00 | 1.96 | 2.00 | 2.00 | 2.00 | 2.03 |


|  | Cost |  |  | Market-Based |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test |  |  |  |  |  |  |
| Avoided Electric Production | \$189,226.75 | \$170,574.56 | \$275,998.81 | \$291,528.38 | \$265,708.48 | \$723,283.55 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$48,418.05 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$10,584.32 | \$10,584.32 | \$10,584.32 | \$10,584.32 | \$10,584.32 | \$10,584.32 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$248,229.13 | \$181,158.89 | \$286,583.13 | \$302,112.70 | \$276,292.81 | \$733,867.88 |
| Administration Costs | \$847.85 | \$847.85 | \$847.85 | \$847.85 | \$847.85 | \$847.85 |
| Implementation / Participation Costs | \$3,431.38 | \$3,431.38 | \$3,431.38 | \$3,431.38 | \$3,431.38 | \$3,431.38 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$55,005.00 | \$55,005.00 | \$55,005.00 | \$55,005.00 | \$55,005.00 | \$55,005.00 |
| Total | \$59,284.23 | \$59,284.23 | \$59,284.23 | \$59,284.23 | \$59,284.23 | \$59,284.23 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 4.19 | 3.06 | 4.83 | 5.10 | 4.66 | 12.38 |
| TRC Test |  |  |  |  |  |  |
| Avoided Electric ProductionAvoided Electric Production Adders | \$189,226.75 | \$170,574.56 | \$275,998.81 | \$291,528.38 | \$265,708.48 | \$723,283.55 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric CapacityAvoided Electric T\&D | \$48,418.05 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$10,584.32 | \$10,584.32 | \$10,584.32 | \$10,584.32 | \$10,584.32 | \$10,584.32 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$248,229.13 | \$181,158.89 | \$286,583.13 | \$302,112.70 | \$276,292.81 | \$733,867.88 |
| Administration Costs Implementation / Participation Costs | \$847.85 | \$847.85 | \$847.85 | \$847.85 | \$847.85 | \$847.85 |
|  | \$3,431.38 | \$3,431.38 | \$3,431.38 | \$3,431.38 | \$3,431.38 | \$3,431.38 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$4,279.23 | \$4,279.23 | \$4,279.23 | \$4,279.23 | \$4,279.23 | \$4,279.23 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$153,915.00 | \$153,915.00 | \$153,915.00 | \$153,915.00 | \$153,915.00 | \$153,915.00 |
| Participant or Unit Tax Credits (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| TotalTest Results | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | 1.57 | 1.15 | 1.81 | 1.91 | 1.75 | 4.64 |
| RIM Test |  |  |  |  |  |  |
| Avoided Electric Production Avoided Electric Production Adders | \$189,226.75 | \$170,574.56 | \$275,998.81 | \$291,528.38 | \$265,708.48 | \$723,283.55 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$48,418.05 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D Avoided Electric Ancillary | \$10,584.32 | \$10,584.32 | \$10,584.32 | \$10,584.32 | \$10,584.32 | \$10,584.32 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$248,229.13 | \$181,158.89 | \$286,583.13 | \$302,112.70 | \$276,292.81 | \$733,867.88 |
| Administration Costs | \$847.85 | \$847.85 | \$847.85 | \$847.85 | \$847.85 | \$847.85 |
| Implementation / Participation Costs <br> Other / Miscellaneous Costs | \$3,431.38 | \$3,431.38 | \$3,431.38 | \$3,431.38 | \$3,431.38 | \$3,431.38 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$55,005.00 | \$55,005.00 | \$55,005.00 | \$55,005.00 | \$55,005.00 | \$55,005.00 |
| Total | \$59,284.23 | \$59,284.23 | \$59,284.23 | \$59,284.23 | \$59,284.23 | \$59,284.23 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue | \$252,472.10 | \$246,055.98 | \$252,472.10 | \$252,472.10 | \$252,472.10 | \$257,788.64 |
| Gas Lost Revenue $\begin{array}{r}\text { Total } \\ \text { T }\end{array}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$252,472.10 | \$246,055.98 | \$252,472.10 | \$252,472.10 | \$252,472.10 | \$257,788.64 |
| Electric Lost Revenue (Net Fuel) | \$252,472.10 | \$246,055.98 | \$252,472.10 | \$252,472.10 | \$252,472.10 | \$257,788.64 |
| Gas Lost Revenue (Net Fuel) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$252,472.10 | \$246,055.98 | \$252,472.10 | \$252,472.10 | \$252,472.10 | \$257,788.64 |
| Societal Test $\quad$ Test Results | 0.80 | 0.59 | 0.92 | 0.97 | 0.89 | 2.31 |
|  | 0.80 | 0.59 | 0.92 | 0.97 | 0.89 | 2.31 |
|  | \$245,706.09 | \$221,486.61 | \$358,377.48 | \$378,542.26 | \$345,015.79 | \$939,166.64 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric CapacityAvoided Electric T\&D | \$60,521.64 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$13,491.97 | \$13,491.97 | \$13,491.97 | \$13,491.97 | \$13,491.97 | \$13,491.97 |
| Avoided Electric AncillaryAvoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$319,719.70 | \$234,978.58 | \$371,869.45 | \$392,034.23 | \$358,507.76 | \$952,658.61 |
| Administration Costs Implementation / Participation Costs | \$847.85 | \$847.85 | \$847.85 | \$847.85 | \$847.85 | \$847.85 |
|  | \$3,431.38 | \$3,431.38 | \$3,431.38 | \$3,431.38 | \$3,431.38 | \$3,431.38 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$4,279.23 | \$4,279.23 | \$4,279.23 | \$4,279.23 | \$4,279.23 | \$4,279.23 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$153,915.00 | \$153,915.00 | \$153,915.00 | \$153,915.00 | \$153,915.00 | \$153,915.00 |
| Environmental Benefits Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 2.02 | 1.49 | 2.35 | 2.48 | 2.27 | 6.02 |
| Participant Test |  |  |  |  |  |  |
| Incentives | \$55,005.00 | \$55,005.00 | \$55,005.00 | \$55,005.00 | \$55,005.00 | \$55,005.00 |
| Participant or Unit Costs (Gross) | \$153,915.00 | \$153,915.00 | \$153,915.00 | \$153,915.00 | \$153,915.00 | \$153,915.00 |
| Participant or Unit Tax Credits (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Bill Savings (Gross)Gas Bill Savings (Gross) | \$252,472.10 | \$246,055.98 | \$252,472.10 | \$252,472.10 | \$252,472.10 | \$257,788.64 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$252,472.10 | \$246,055.98 | \$252,472.10 | \$252,472.10 | \$252,472.10 | \$257,788.64 |
| esults | 2.00 | 1.96 | 2.00 | 2.00 | 2.00 | 2.03 |


| Present Values (PVs) of Impacts |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost | Market-Based |  |  |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| kW (Discounted) | 897.1539 | 897.1539 | 897.1539 | 897.1539 | 897.1539 | 897.1539 |
| kWh (Discounted) | 7416051.8886 | 7227574.2748 | 7416051.8886 | 7416051.8886 | 7416051.8886 | 7572256.4387 |
| CCF (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kW (Undiscounted) | 897.1539 | 897.1539 | 897.1539 | 897.1539 | 897.1539 | 897.1539 |
| kWh (Undiscounted) | 7416051.8886 | 7227574.2748 | 7416051.8886 | 7416051.8886 | 7416051.8886 | 7572256.4387 |
| CCF (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |


| NET BENEFITS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Total | Total | Net | Benfit/ |  |
| Benefits | Costs | Benefits | Cost Ratio |  |
| \$248,229.13 | \$59,284.23 | \$188,944.90 | 4.19 | Utility (PAC) Test |
| \$248,229.13 | \$158,194.23 | \$90,034.90 | 1.57 | TRC Test |
| \$248,229.13 | \$311,756.33 | (\$63,527.20) | 0.80 | RIM Test |
| \$248,229.13 | \$311,756.33 | (\$63,527.20) | 0.80 | RIM ( (et Fuel) Test |
| \$319,719.70 | \$158,194.23 | \$161,525.47 | 2.02 | Societal Test |
| \$307,477.10 | \$153,915.00 | \$153,562.10 | 2.00 | Participant Test |


| Participants | kWh | Summer kW | Winter kW |  |
| :---: | :---: | :---: | :---: | :---: |
| 3 | 518,670.53 | 55.370 | 11.105 | Generator |
|  | 471,658 | 50.351 | 10.098 | Meter |
| Check: | 474,986 | Loss Factor: | 9.06\% |  |
| Implementation |  |  |  |  |
| Administration Costs | Costs | Other/Misc. Costs | Incentives | Total Costs |
| \$847.85 | \$3,431.38 | \$0.00 | \$55,005.00 | \$59,284.23 |



Impacts and Savings (Losses Included)

| Year | Per Participant Electric Impacts/Savings |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 0.000 | 0.000 | 18.457 | 18.457 | 3.702 | 3.702 | 172,890.18 | 172,890.18 | 0 | 0 | 55 | 55 | 11 | 11 | 518,671 | 518,671 |
| 2 | 0.000 | 0.000 | 18.457 | 18.457 | 3.702 | 3.702 | 172,890.18 | 172,890.18 | 0 | 0 | 55 | 55 | 11 | 11 | 518,671 | 518,671 |
| 3 | 0.000 | 0.000 | 18.457 | 18.457 | 3.702 | 3.702 | 172,890.18 | 172,890.18 | 0 | 0 | 55 | 55 | 11 | 11 | 518,671 | 518,671 |
| 4 | 0.000 | 0.000 | 18.457 | 18.457 | 3.702 | 3.702 | 172,890.18 | 172,890.18 | 0 | 0 | 55 | 55 | 11 | 11 | 518,671 | 518,671 |
| 5 | 0.000 | 0.000 | 18.457 | 18.457 | 3.702 | 3.702 | 172,890. 18 | 172,890.18 | 0 | 0 | 55 | 55 | 11 | 11 | 518,671 | 518,671 |
| 6 | 0.000 | 0.000 | 18.457 | 18.457 | 3.702 | 3.702 | 172,890.18 | 172,890.18 | 0 | 0 | 55 | 55 | 11 | 11 | 518,671 | 518,671 |
| 7 | 0.000 | 0.000 | 18.457 | 18.457 | 3.702 | 3.702 | 172,890.18 | 172,890.18 | 0 | 0 | 55 | 55 | 11 | 11 | 518,671 | 518,671 |
| 8 | 0.000 | 0.000 | 18.457 | 18.457 | 3.702 | ${ }^{3.702}$ | 172,890.18 | 172,890.18 | 0 | 0 | 55 | 55 | 11 | 11 | 518,671 | 518,671 |
| 9 | 0.000 | 0.000 | 18.457 | 18.457 | 3.702 | 3.702 | 172,890.18 | 172,890.18 | 0 | 0 | 55 | 55 | 11 | 11 | 518,671 | 518,671 |
| 10 | 0.000 | 0.000 | 18.457 | 18.457 | 3.702 | 3.702 | 172,890.18 | 172,890.18 | 0 | 0 | 55 | 55 | 11 | 11 | 518,671 | 518,671 |
| 11 | 0.000 | 0.000 | 18.457 | 18.457 | 3.702 | 3.702 | 172,890. 18 | 172,890.18 | 0 | 0 | 55 | 55 | 11 | 11 | 518,671 | 518,671 |
| 12 | 0.000 | 0.000 | 20.742 | 20.742 | 0.000 | 0.000 | 213,834.51 | 213,834.51 | 0 |  | 41 | 41 | 0 | 0 | 427,669 | 427,669 |
| 13 | 0.000 | 0.000 | 20.742 | 20.742 | 0.000 | 0.000 | 213,834.51 | 213,834.51 | 0 | 0 | 41 | 41 | 0 | 0 | 427,669 | 427,669 |
| 14 | 0.000 | 0.000 | 20.742 | 20.742 | 0.000 | 0.000 | 213,834.51 | 213,834.51 | 0 | 0 | 41 | 41 | 0 | 0 | 427,669 | 427,669 |
| 15 | 0.000 | 0.000 | 20.742 | 20.742 | 0.000 | 0.000 | 213,834.51 | 213,834.51 | 0 | 0 | 41 | 41 | 0 | 0 | 427,669 | 427,669 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0.000 | 0.000 | ${ }^{0.000}$ | ${ }^{0.000}$ | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0.000 0.000 | 0.000 0 | 0.000 | 0.000 | ${ }_{0}^{0.000}$ | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 23 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.00 0.00 | 0.00 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Totas |  |  |  |  |  |  | 2,757,130 | 2,757,130 |  |  |  |  |  |  | 7,416,052 | 7,416,052 |




Appendix B
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| 兂 | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Energy | Adders Capacily | T\&D | Ancillay | Total | Production | Capacity | Total |
| 1 | \$20,028.55 | \$0.00 | \$965.17 | \$0.00 | \$20,993.72 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$23,210.04 | \$0.00 | \$994.12 | \$0.00 | \$24,204.16 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$24,998.60 | \$0.00 | \$1,023.94 | \$0.00 | \$26,022.54 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$25,855.79 | \$0.00 | \$1,054.66 | \$0.00 | \$26,910.45 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$27,743.25 | \$0.00 | \$1,086.30 | \$0.00 | \$28,829.55 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$28,303.72 | \$0.00 | \$1,118.89 | \$0.00 | \$29,422.61 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$28,921.89 | \$0.00 | \$1,152.46 | \$0.00 | \$30,074.35 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$30,347.79 | \$0.00 | \$1,187.03 | \$0.00 | \$31,534.82 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$32,185.80 | \$0.00 | \$1,222.64 | \$0.00 | \$33,408.44 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$34,435.92 | \$0.00 | \$1,259.32 | \$0.00 | \$35,695.24 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$36,488.23 | \$0.00 | \$1,297.10 | \$0.00 | \$37,785.33 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$31,896.43 | \$0.00 | \$1,000.96 | \$0.00 | \$32,897.39 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$32,853.32 | \$0.00 | \$1,030.99 | \$0.00 | \$33,884.31 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$33,838.92 | \$0.00 | \$1,061.92 | \$0.00 | \$34,900.84 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$34,854.09 | \$0.00 | \$1,093.77 | \$0.00 | \$35,947.87 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totals | \$445,962.35 | \$0.00 | \$16,549.29 | \$0.00 | \$462,511.63 | \$0.00 | \$0.00 | \$0.00 |
| Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) |  |  |  |  |  |  |  |  |
| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
|  | Energy | Capacity | T\&D | Anclilay | Total | Production | Capacity | Total |
| 1 | \$13,731.73 | \$5,222.46 | \$965.17 | \$0.00 | \$19,919.36 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$15,912.99 | \$5,222.46 | \$994.12 | \$0.00 | \$22,129.57 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$17,139.24 | \$5,222.46 | \$1,023.94 | \$0.00 | \$23,385.64 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$17,726.93 | \$5,222.46 | \$1,054.66 | \$0.00 | \$24,004.06 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$19,020.99 | \$5,222.46 | \$1,086.30 | \$0.00 | \$25,329.76 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$19,405.26 | \$5,222.46 | \$1,118.89 | \$0.00 | \$25,746.61 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$19,829.07 | \$5,222.46 | \$1,152.46 | \$0.00 | \$26,203.99 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$20,806.68 | \$5,222.46 | \$1,187.03 | \$0.00 | \$27,216.18 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$22,066.84 | \$5,222.46 | \$1,222.64 | \$0.00 | \$28,511.94 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$23,609.54 | \$5,222.46 | \$1,259.32 | \$0.00 | \$30,091.32 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$25,016.62 | \$5,222.46 | \$1,297.10 | \$0.00 | \$31,536.18 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$21,868.33 | \$3,912.73 | \$1,000.96 | \$0.00 | \$26,782.02 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$22,524.38 | \$3,912.73 | \$1,030.99 | \$0.00 | \$27,468.10 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$23,200.11 | \$3,912.73 | \$1,061.92 | \$0.00 | \$28,174.76 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$23,896.11 | \$3,912.73 | \$1,093.77 | \$0.00 | \$28,902.62 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | ${ }^{\$ 0.00}$ | \$0.00 |
| 25 | $\stackrel{\$ 0.00}{\$ 305754.82}$ | $\stackrel{\$ 0.00}{\$ 73.098 .01}$ | $\xrightarrow{\$ 0.00}$ | \$0.00 | $\stackrel{\text { \$0.00 }}{\$ 395.402 .11}$ | $\frac{\$ 0.00}{\$ 0.00}$ | \$0.00 | \$0.00 |
| Toals | \$305,754.82 | \$73,098.01 | \$16,549.29 | \$0.00 | \$395,402.11 | \$0.00 | \$0.00 | \$0.00 |


| Year | Cumulative Electric |  |  |  |  | Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Addess Capacity | T\& ${ }^{\text {d }}$ | Ancillary | Total |  |
| 1 | \$19,281.80 | \$0.00 | \$965.17 | \$0.00 | \$20,246.97 |  |
| 2 | \$22,344.67 | \$0.00 | \$994.12 | \$0.00 | \$23,338.79 | \$0.00 |
| 3 | \$24,066.54 | \$0.00 | \$1,023.94 | \$0.00 | \$25,090.49 | \$0.00 |
| 4 | \$24,891.77 | \$0.00 | \$1,054.66 | \$0.00 | \$25,946.43 | \$0.00 |
| 5 | \$26,708.86 | \$0.00 | \$1,086.30 | \$0.00 | \$27,795.17 | \$0.00 |
| 6 | \$27,248.44 | \$0.00 | \$1,118.89 | \$0.00 | \$28,367.33 | \$0.00 |
| 7 | \$27,843.55 | \$0.00 | \$1,152.46 | \$0.00 | \$28,996.01 | \$0.00 |
| 8 | \$29,216.29 | \$0.00 | \$1,187.03 | \$0.00 | \$30,403.32 | \$0.00 |
| 9 | \$30,985.77 | \$0.00 | \$1,222.64 | \$0.00 | \$32,208.42 | \$0.00 |
| 10 | \$33,152.00 | \$0.00 | \$1,259.32 | \$0.00 | \$34,411.32 | \$0.00 |
| 11 | \$35,127.79 | \$0.00 | \$1,297.10 | \$0.00 | \$36,424.89 | \$0.00 |
| 12 | \$30,707.25 | \$0.00 | \$1,000.96 | \$0.00 | \$31,708.21 | \$0.00 |
| 13 | \$31,628.47 | \$0.00 | \$1,030.99 | \$0.00 | \$32,659.46 | \$0.00 |
| 14 | \$32,577.33 | \$0.00 | \$1,061.92 | \$0.00 | \$33,639.24 | \$0.00 |
| 15 | \$33,554.65 | \$0.00 | \$1,093.77 | \$0.00 | \$34,648.42 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totas | \$429,335.19 | \$0.00 | \$16,549.29 | \$0.00 | \$445,884.48 | \$0.00 |


| Discount: 7.09\% |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T\&D | Ancillary | Total |
| 1 | \$13,731.73 | \$5,222.46 | \$965.17 | \$0.00 | \$19,919.36 |
| 2 | \$14,859.45 | \$4,876.70 | \$928.30 | \$0.00 | \$20,664.46 |
| 3 | \$14,944.92 | \$4,553.84 | \$892.85 | \$0.00 | \$20,391.61 |
| 4 | \$14,434.00 | \$4,252.35 | \$858.75 | \$0.00 | \$19,545.10 |
| 5 | \$14,462.30 | \$3,970.81 | \$825.95 | \$0.00 | \$19,259.07 |
| 6 | \$13,777.64 | \$3,707.92 | \$794.41 | \$0.00 | \$18,279.97 |
| 7 | \$13,146.46 | \$3,462.44 | \$764.07 | \$0.00 | \$17,372.97 |
| 8 | \$12,881.32 | \$3,233.20 | \$734.89 | \$0.00 | \$16,849.41 |
| 9 | \$12,757.01 | \$3,019.14 | \$706.82 | \$0.00 | \$16,482.97 |
| 10 | \$12,745.22 | \$2,819.26 | \$679.82 | \$0.00 | \$16,244.30 |
| 11 | \$12,610.71 | \$2,632.61 | \$653.86 | \$0.00 | \$15,897.17 |
| 12 | \$10,293.84 | \$1,841.80 | \$471.17 | \$0.00 | \$12,606.81 |
| 13 | \$9,900.70 | \$1,719.86 | \$453.18 | \$0.00 | \$12,073.73 |
| 14 | \$9,522.57 | \$1,605.99 | \$435.87 | \$0.00 | \$11,564.43 |
| 15 | \$9,158.88 | \$1,499.67 | \$419.22 | \$0.00 | \$11,077.77 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$189,226.75 | \$48,418.05 | \$10,584.32 | \$0.00 | \$248,229.13 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |


|  | Cost | Market-Based |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test | 2.15 | 1.43 | 2.27 | 2.39 | 2.19 | 5.92 |
| TRC Test | 3.58 | 2.37 | 3.78 | 3.99 | 3.65 | 9.87 |
| RIM Test | 0.51 | 0.35 | 0.54 | 0.57 | 0.53 | 1.40 |
| RIM (Net Fuel) | 0.51 | 0.35 | 0.54 | 0.57 | 0.53 | 1.40 |
| Societal Test | 3.90 | 2.60 | 4.15 | 4.37 | 4.01 | 10.83 |
| Participant Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |


| Present Values (PVs) of Costs and Benefits Per Test |  |  |  |  |  |  |  |
| :--- | :---: | :--- | :--- | :--- | :--- | :--- | :--- |
|  | Cost |  |  |  |  |  |  |
|  |  | Based |  | Minimum | Today | Alternate | Option |

Utility (PAC/UCT) Tes

| Avoided Electric Pro |
| ---: |
| Avoided Electric Production |
| Avoided Electric |
| Avoided Elec |
| Avoided Electric $A$ |
| Avoided Gas Pro |
| Avoided Gas |


$\left.\begin{array}{|r|r|}\hline \text { TRC Test } & \\ \hline & \text { Avoided Electic Production } \\ & \text { Avoided Electric Production Adders } \\ \text { Avoided Electric Capacity } \\ \text { Avoided Electric T\&D }\end{array}\right)$

| RIM Test | Test Results |
| :---: | :---: |
|  | Avoided Electric Production Avoided Electric Production Adders Avoided Electric Capacity Avoided Electric T\&D Avoided Electric Ancillary Avoided Gas Production Avoided Gas Capacity |
|  | Administration Costs Implementation/Participation Costs Other / Miscellaneous Costs Incentives Total |
|  | Reduced Arrears |
|  | Electric Lost Revenue Gas Lost Revenue Total |
|  | Electric Lost Revenue (Net Fuel) Gas Lost Revenue (Net Fuel) |


| 3.58 | 2.37 | 3.78 | 3.99 | 3.65 | 9.87 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| \$12,581.90 | \$11,244.05 | \$18,456.14 | \$19,518.43 | \$17,805.09 | \$49,677.81 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$4,828.66 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$941.18 | \$941.18 | \$941.18 | \$941.18 | \$941.18 | \$941.18 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$18,351.74 | \$12,185.23 | \$19,397.33 | \$20,459.61 | \$18,746.27 | \$50,618.99 |
| \$3,985.85 | \$3,985.85 | \$3,985.85 | \$3,985.85 | \$3,985.85 | \$3,985.85 |
| \$1,145.04 | \$1,145.04 | \$1,145.04 | \$1,145.04 | \$1,145.04 | \$1,145.04 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$3,413.25 | \$3,413.25 | \$3,413.25 | \$3,413.25 | \$3,413.25 | \$3,413.25 |
| \$8,544.14 | \$8,544.14 | \$8,544.14 | \$8,544.14 | \$8,544.14 | \$8,544.14 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$27,145.86 | \$26,555.16 | \$27,145.86 | \$27,145.86 | \$27,145.86 | \$27,626.70 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$27,145.86 | \$26,555.16 | \$27,145.86 | \$27,145.86 | \$27,145.86 | \$27,626.70 |
| \$27,145.86 | \$26,555.16 | \$27,145.86 | \$27,145.86 | \$27,145.86 | \$27,626.70 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$27,145.86 | \$26,555.16 | \$27,145.86 | \$27,145.86 | \$27,145.86 | \$27,626.70 |
| 0.51 | 0.35 | 0.54 | 0.57 | 0.53 | 1.40 |
| 0.51 | 0.35 | 0.54 | 0.57 | 0.53 | 1.40 |
| \$13,812.07 | \$12,343.42 | \$20,260.67 | \$21,426.81 | \$19,545.96 | \$54,534.99 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$5,183.23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$1,017.80 | \$1,017.80 | \$1,017.80 | \$1,017.80 | \$1,017.80 | \$1,017.80 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$20,013.10 | \$13,361.22 | \$21,278.46 | \$22,444.61 | \$20,563.75 | \$55,552.78 |
| \$3,985.85 | \$3,985.85 | \$3,985.85 | \$3,985.85 | \$3,985.85 | \$3,985.85 |
| \$1,145.04 | \$1,145.04 | \$1,145.04 | \$1,145.04 | \$1,145.04 | \$1,145.04 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$5,130.89 | \$5,130.89 | \$5,130.89 | \$5,130.89 | \$5,130.89 | \$5,130.89 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3.90 | 2.60 | 4.15 | 4.37 | 4.01 | 10.83 |
| \$3,413.25 | \$3,413.25 | \$3,413.25 | \$3,413.25 | \$3,413.25 | \$3,413.25 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$27,145.86 | \$26,555.16 | \$27,145.86 | \$27,145.86 | \$27,145.86 | \$27,626.70 |
| \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| \$27,145.86 | \$26,555.16 | \$27,145.86 | \$27,145.86 | \$27,145.86 | \$27,626.70 |


| Present Values (PVs) of Impacts |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost | Market-Based |  |  |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| kW (Discounted) | 116.8267 | 116.8267 | 116.8267 | 116.8267 | 116.8267 | 116.8267 |
| kWh (Discounted) | 424794.1370 | 414768.7785 | 424794.1370 | 424794.1370 | 424794.1370 | 432995.0768 |
| CCF (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kW (Undiscounted) | 116.8267 | 116.8267 | 116.8267 | 116.8267 | 116.8267 | 116.8267 |
| kWh (Undiscounted) | 424794.1370 | 414768.7785 | 424794.1370 | 424794.1370 | 424794.1370 | 432995.0768 |
| CCF (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |




Impacts and Savings (Losses Included)

| Year | Per Participant Electric Impacts/Savings ${ }^{\text {Cumulative }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | ${ }_{\text {kW }}$ | kW (net) | Summer Coin kW | Summer Coin (nel) | Winter Coinkw | Winter Coin (net) | kWh | kWh (net) | ${ }^{\text {kw }}$ | kW (net) | Summer Coin kW | Summer Coin (net) | Winter CoinkW | Winter Coin (net) | kWh | $\mathrm{kWh}^{\text {netel) }}$ |
| 1 | 0.054 | 0.054 | 0.037 | 0.037 | 0.037 | 0.037 | ${ }^{253.06}$ | ${ }^{253.06}$ | ${ }^{23}$ | ${ }^{23}$ | 16 | 16 | 16 | 16 | 108,059 | 108,059 |
| 2 | 0.054 | 0.054 | 0.037 | 0.037 | 0.037 | 0.037 | ${ }^{253.06}$ | ${ }^{253.06}$ | ${ }^{23}$ | 23 | 16 | 16 | 16 | 16 | 108,059 | 108,059 |
| 3 | 0.054 | 0.054 | 0.037 | 0.037 | 0.037 | 0.037 | 253.06 | 253.06 | 23 | 23 | 16 | 16 | 16 | 16 | 108,059 | 108,059 |
| 4 | 0.026 | 0.026 | 0.017 | 0.017 | 0.017 | 0.017 | 192.91 | 192.91 | 2 | 2 | 1 | 1 | 1 | 1 | 16,976 | 16,976 |
| 5 | 0.026 | 0.026 | 0.017 | 0.017 | 0.017 | 0.017 | 192.91 | 192.91 | 2 | 2 | 1 | 1 | 1 | 1 | 16,976 | 16,976 |
| 6 | 0.016 | 0.016 | 0.014 | 0.014 | 0.014 | 0.014 | 108.23 | 108.23 | 1 | 1 | 1 | 1 | 1 | 1 | 8,983 | 8,983 |
| 7 | 0.016 | 0.016 | 0.014 | 0.014 | 0.014 | 0.014 | 108.23 | 108.23 | 1 | 1 | 1 | 1 | 1 | 1 | 8,983 | 8,983 |
| 8 | 0.016 | 0.016 | 0.014 | 0.014 | 0.014 | 0.014 | 108.23 | 108.23 | 1 | 1 | 1 | 1 | 1 | 1 | 8,983 | 8,983 |
| 9 | 0.016 | 0.016 | 0.014 | 0.014 | 0.014 | 0.014 | 108.23 | 108.23 | 1 | 1 | 1 | 1 | 1 | 1 | 8,983 | 8,983 |
| 10 | 0.016 | 0.016 | 0.014 | 0.014 | 0.014 | 0.014 | 108.23 | 108.23 | 1 | 1 | 1 | 1 | 1 | 1 | 8,983 | 8,983 |
| 11 | 0.016 | 0.016 | 0.014 | 0.014 | 0.014 | 0.014 | 108.23 | 108.23 | 1 | 1 | 1 | 1 | 1 | 1 | 8,983 | 8,983 |
| 12 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 0.015 | 124.62 | 124.62 | 1 | 1 | 1 | 1 | 1 | 1 | 7,352 | 7,352 |
| 13 | 0.012 | 0.012 | 0.010 | 0.010 | 0.010 | 0.010 | 83.59 | 83.59 | 0 | 0 | 0 | 0 | 0 | 0 | 2,257 | 2,257 |
| 14 | 0.035 | 0.035 | 0.024 | 0.024 | 0.024 | 0.024 | 210.49 | 210.49 | 0 | 0 |  | 0 | 0 | 0 | 1,052 | 1,052 |
| 15 | 0.035 | 0.035 | 0.024 | 0.024 | 0.024 | 0.024 | 210.49 | 210.49 | 0 | 0 | 0 | 0 | 0 |  | 1,052 | 1,052 |
| 16 | 0.035 | ${ }^{0.035}$ | 0.024 | 0.024 | 0.024 | 0.024 | 210.49 | 210.49 | 0 | 0 | 0 | 0 | 0 | 0 | 1,052 | 1,052 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 |  | 0 |  | $0$ | 0 |  |
| 18 19 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.00 0.00 | 0.00 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 20 | 0.000 0.000 | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | 0.000 0.000 | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | $\begin{aligned} & 0.00 \\ & 0.00 \end{aligned}$ | $\begin{aligned} & 0.00 \\ & 0.00 \\ & 0.00 \end{aligned}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0.000 | ${ }^{0.000}$ | ${ }^{0.000}$ | ${ }^{0.000}$ | ${ }^{0.000}$ | ${ }^{0.000}$ | 0.00 | 0.00 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Totas |  |  |  |  |  |  | 2,634 | 2,634 |  |  |  |  |  |  | 424,794 | 424,794 |


| Lost Revenue Dollars |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Lost Revenue per Participant |  |  | Cumulative Lost Revenue |  |  | Cumulative Lost Revenue (Net Fuel) |  |  |
|  |  |  |  | Net Freeiorop-Out | Net freeProp-Out | Nef Freeorop-Out | $\underset{\substack{\text { Net Fuel } \\ \text { Net Free Dropo-Uut }}}{\substack{\text { n }}}$ | Net Fuel Net Freel Irop-Out | Net fuel Net Freeprop-Out |
| Year | Eleatric | Gas | Total | Eleatric | Gas | Total | Electric | Gas | Total |
|  | \$18.07 | \$0.00 | \$18.07 | \$7,716.12 | \$0.00 | \$7,716.12 | \$7,716.12 | \$0.00 | \$7,716.12 |
| 2 | \$18.43 | \$0.00 | \$18.43 | \$7,870.45 | \$0.00 | \$7,870.45 | \$7,870.45 | \$0.00 | \$7,870.45 |
| 3 | \$18.80 | \$0.00 | \$18.80 | \$8,027.86 | \$0.00 | \$8,027.86 | \$8,027.86 | \$0.00 | \$8,027.86 |
| 4 | \$14.13 | \$0.00 | \$14.13 | \$1,243.58 | \$0.00 | \$1,243.58 | \$1,243.58 | \$0.00 | \$1,243.58 |
| 5 | \$14.41 | \$0.00 | \$14.41 | \$1,268.45 | \$0.00 | \$1,268.45 | \$1,268.45 | \$0.00 | \$1,268.45 |
| 6 | \$8.30 | \$0.00 | \$8.30 | \$689.15 | \$0.00 | \$689.15 | \$689.15 | \$0.00 | \$689.15 |
| 7 | \$8.47 | \$0.00 | \$8.47 | \$702.93 | \$0.00 | \$702.93 | \$702.93 | \$0.00 | \$702.93 |
| 8 | \$8.64 | \$0.00 | \$8.64 | \$716.99 | \$0.00 | \$716.99 | \$716.99 | \$0.00 | \$716.99 |
| 9 | \$8.81 | \$0.00 | \$8.81 | \$731.33 | \$0.00 | \$731.33 | \$731.33 | \$0.00 | \$731.33 |
| 10 | \$8.99 | \$0.00 | \$8.99 | \$745.96 | \$0.00 | \$745.96 | \$745.96 | \$0.00 | \$745.96 |
| 11 | \$9.17 | \$0.00 | \$9.17 | \$760.88 | \$0.00 | \$760.88 | \$760.88 | \$0.00 | \$760.88 |
| 12 | \$10.66 | \$0.00 | \$10.66 | \$628.85 | \$0.00 | \$628.85 | \$628.85 | \$0.00 | \$628.85 |
| 13 | \$7.34 | \$0.00 | \$7.34 | \$198.31 | \$0.00 | \$198.31 | \$198.31 | \$0.00 | \$198.31 |
| 14 | \$19.06 | \$0.00 | \$19.06 | \$95.30 | \$0.00 | \$95.30 | \$95.30 | \$0.00 | \$95.30 |
| 15 | \$19.44 | \$0.00 | \$19.44 | \$97.20 | \$0.00 | \$97.20 | \$97.20 | \$0.00 | \$97.20 |
| 16 | \$19.83 | \$0.00 | \$19.83 | \$99.15 | \$0.00 | \$99.15 | \$99.15 | \$0.00 | \$99.15 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totals | \$212.56 | \$0.00 | \$212.56 | \$31,592.49 | \$0.00 | \$31,592.49 | \$31,592.49 | \$0.00 | \$31,592.49 |


| Utility Program Costs |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Overall Costs |  |  |  |  | Total Costs per kW, kWh, and CCF Saved (Losses Included) |  |  |  |  |  |
| Year | Administation | Implementaion |  | Other | Total | \$ KW |  |  |  | s C C ${ }^{\text {c }}$ | SICCF (net) |
| 1 | \$3,985.85 | \$1,145.04 | \$3,413.25 | \$0.00 | \$8,544.14 | \$271.77 | \$271.77 | \$0.08 | \$0.08 | \$0.00 | \$0.00 |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Appendix B
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Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)


Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value

| Year | Cumulative Electric |  |  |  |  | Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Eneray | Adders Capacity | T8D | Ancilary | Total |  |
| 1 | \$4,367.68 | \$0.00 | \$274.02 | \$0.00 | \$4,641.69 | \$0.00 |
| 2 | \$5,061.47 | \$0.00 | \$282.24 | \$0.00 | \$5,343.71 | \$0.00 |
| 3 | \$5,451.51 | \$0.00 | \$290.70 | \$0.00 | \$5,742.21 | \$0.00 |
| 4 | \$885.82 | \$0.00 | \$27.96 | \$0.00 | \$913.77 | \$0.00 |
| 5 | \$950.48 | \$0.00 | \$28.79 | \$0.00 | \$979.28 | \$0.00 |
| 6 | \$513.12 | \$0.00 | \$23.05 | \$0.00 | \$536.17 | \$0.00 |
| 7 | \$524.32 | \$0.00 | \$23.74 | \$0.00 | \$548.06 | \$0.00 |
| 8 | \$550.17 | \$0.00 | \$24.46 | \$0.00 | \$574.63 | \$0.00 |
| 9 | \$583.49 | \$0.00 | \$25.19 | \$0.00 | \$608.68 | \$0.00 |
| 10 | \$624.28 | \$0.00 | \$25.94 | \$0.00 | \$650.23 | \$0.00 |
| 11 | \$661.49 | \$0.00 | \$26.72 | \$0.00 | \$688.21 | \$0.00 |
| 12 | \$573.94 | \$0.00 | \$20.65 | \$0.00 | \$594.59 | \$0.00 |
| 13 | \$181.47 | \$0.00 | \$6.53 | \$0.00 | \$187.99 | \$0.00 |
| 14 | \$87.16 | \$0.00 | \$3.04 | \$0.00 | \$90.20 | \$0.00 |
| 15 | \$89.78 | \$0.00 | \$3.13 | \$0.00 | \$92.90 | \$0.00 |
| 16 | \$92.47 | \$0.00 | \$3.22 | \$0.00 | \$95.69 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| ${ }^{23}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totals | \$21,198.64 | \$0.00 | \$1,089.38 | \$0.00 | \$22,288.02 | \$0.00 |


| Discount: 7.09\% |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T\&D | Ancillary | Total |
| 1 | \$3,086.40 | \$1,482.68 | \$274.02 | \$0.00 | \$4,843.10 |
| 2 | \$3,339.87 | \$1,384.52 | \$263.55 | \$0.00 | \$4,987.94 |
| 3 | \$3,359.08 | \$1,292.86 | \$253.48 | \$0.00 | \$4,905.42 |
| 4 | \$509.68 | \$112.72 | \$22.76 | \$0.00 | \$645.16 |
| 5 | \$510.68 | \$105.26 | \$21.89 | \$0.00 | \$637.83 |
| 6 | \$257.44 | \$76.39 | \$16.37 | \$0.00 | \$350.19 |
| 7 | \$245.64 | \$71.33 | \$15.74 | \$0.00 | \$332.72 |
| 8 | \$240.69 | \$66.61 | \$15.14 | \$0.00 | \$322.44 |
| 9 | \$238.37 | \$62.20 | \$14.56 | \$0.00 | \$315.13 |
| 10 | \$238.15 | \$58.08 | \$14.01 | \$0.00 | \$310.23 |
| 11 | \$235.63 | \$54.24 | \$13.47 | \$0.00 | \$303.34 |
| 12 | \$190.91 | \$38.00 | \$9.72 | \$0.00 | \$238.63 |
| 13 | \$56.37 | \$10.89 | \$2.87 | \$0.00 | \$70.12 |
| 14 | \$25.28 | \$4.59 | \$1.25 | \$0.00 | \$31.12 |
| 15 | \$24.31 | \$4.29 | \$1.20 | \$0.00 | \$29.80 |
| 16 | \$23.39 | \$4.01 | \$1.15 | \$0.00 | \$28.55 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$12,581.90 | \$4,828.66 | \$941.18 | \$0.00 | \$18,351.74 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |


| 边 | $\begin{gathered} \text { Cost } \\ \text { Based } \\ \hline \end{gathered}$ | Market-Based |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test | 2.21 | 1.77 | 2.85 | 3.01 | 2.75 | 7.55 |
| TRC Test | 1.81 | 1.45 | 2.34 | 2.47 | 2.26 | 6.19 |
| RIM Test | 0.51 | 0.42 | 0.66 | 0.70 | 0.64 | 1.72 |
| RIM (Net Fuel) | 0.51 | 0.42 | 0.66 | 0.70 | 0.64 | 1.72 |
| Societal Test | 2.39 | 1.92 | 3.10 | 3.27 | 2.99 | 8.19 |
| Participant Test | 4.03 | 3.96 | 4.03 | 4.03 | 4.03 | 4.10 |


|  | Cost |  |  | Market-Based |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test |  |  |  |  |  |  |
| Avoided Electric Production | \$181,637.69 | \$162,323.97 | \$266,440.85 | \$281,776.43 | \$257,041.93 | \$717,170.27 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$23,408.69 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$7,227.02 | \$7,227.02 | \$7,227.02 | \$7,227.02 | \$7,227.02 | \$7,227.02 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$212,273.40 | \$169,550.98 | \$273,667.87 | \$289,003.45 | \$264,268.94 | \$724,397.29 |
| Administration Costs | \$3,408.11 | \$3,408.11 | \$3,408.11 | \$3,408.11 | \$3,408.11 | \$3,408.11 |
| Implementation / Participation Costs | \$15,574.80 | \$15,574.80 | \$15,574.80 | \$15,574.80 | \$15,574.80 | \$15,574.80 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$77,000.00 | \$77,000.00 | \$77,000.00 | \$77,000.00 | \$77,000.00 | \$77,000.00 |
| Total | \$95,982.91 | \$95,982.91 | \$95,982.91 | \$95,982.91 | \$95,982.91 | \$95,982.91 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 2.21 | 1.77 | 2.85 | 3.01 | 2.75 | 7.55 |
| TRC Test |  |  |  |  |  |  |
| Avoided Electric Production | \$181,637.69 | \$162,323.97 | \$266,440.85 | \$281,776.43 | \$257,041.93 | \$717,170.27 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$23,408.69 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$7,227.02 | \$7,227.02 | \$7,227.02 | \$7,227.02 | \$7,227.02 | \$7,227.02 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$212,273.40 | \$169,550.98 | \$273,667.87 | \$289,003.45 | \$264,268.94 | \$724,397.29 |
| Administration Costs | \$3,408.11 | \$3,408.11 | \$3,408.11 | \$3,408.11 | \$3,408.11 | \$3,408.11 |
| Implementation/ Participation Costs | \$15,574.80 | \$15,574.80 | \$15,574.80 | \$15,574.80 | \$15,574.80 | \$15,574.80 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$18,982.91 | \$18,982.91 | \$18,982.91 | \$18,982.91 | \$18,982.91 | \$18,982.91 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$97,980.00 | \$97,980.00 | \$97,980.00 | \$97,980.00 | \$97,980.00 | \$97,980.00 |
| Participant or Unit Tax Credits (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 1.81 | 1.45 | 2.34 | 2.47 | 2.26 | 6.19 |
| RIM Test |  |  |  |  |  |  |
| Avoided Electric Production | \$181,637.69 | \$162,323.97 | \$266,440.85 | \$281,776.43 | \$257,041.93 | \$717,170.27 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$23,408.69 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$7,227.02 | \$7,227.02 | \$7,227.02 | \$7,227.02 | \$7,227.02 | \$7,227.02 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$212,273.40 | \$169,550.98 | \$273,667.87 | \$289,003.45 | \$264,268.94 | \$724,397.29 |
| Administration Costs | \$3,408.11 | \$3,408.11 | \$3,408.11 | \$3,408.11 | \$3,408.11 | \$3,408.11 |
| Implementation/ Participation Costs | \$15,574.80 | \$15,574.80 | \$15,574.80 | \$15,574.80 | \$15,574.80 | \$15,574.80 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$77,000.00 | \$77,000.00 | \$77,000.00 | \$77,000.00 | \$77,000.00 | \$77,000.00 |
| Total | \$95,982.91 | \$95,982.91 | \$95,982.91 | \$95,982.91 | \$95,982.91 | \$95,982.91 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue | \$318,195.23 | \$310,770.95 | \$318,195.23 | \$318,195.23 | \$318,195.23 | \$324,238.85 |
| Gas Lost Revenue | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$318,195.23 | \$310,770.95 | \$318,195.23 | \$318,195.23 | \$318,195.23 | \$324,238.85 |
| Electric Lost Revenue (Net Fuel) | \$318,195.23 | \$310,770.95 | \$318,195.23 | \$318,195.23 | \$318,195.23 | \$324,238.85 |
| Gas Lost Revenue (Net Fuel) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$318,195.23 | \$310,770.95 | \$318,195.23 | \$318,195.23 | \$318,195.23 | \$324,238.85 |
| Test Results | 0.51 | 0.42 | 0.66 | 0.70 | 0.64 | 1.72 |
| Societal Test | 0.51 | 0.42 | 0.66 | 0.70 | 0.64 | 1.72 |
| Avoided Electric Production | \$240,187.58 | \$214,648.18 | \$352,326.56 | \$372,605.48 | \$339,897.95 | \$948,346.08 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$29,960.87 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$9,674.13 | \$9,674.13 | \$9,674.13 | \$9,674.13 | \$9,674.13 | \$9,674.13 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$279,822.57 | \$224,322.31 | \$362,000.69 | \$382,279.61 | \$349,572.07 | \$958,020.20 |
| Administration CostsImplementation / Participation CostsOther / Miscellaneous CostsTotal | \$3,408.11 | \$3,408.11 | \$3,408.11 | \$3,408.11 | \$3,408.11 | \$3,408.11 |
|  | \$15,574.80 | \$15,574.80 | \$15,574.80 | \$15,574.80 | \$15,574.80 | \$15,574.80 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$18,982.91 | \$18,982.91 | \$18,982.91 | \$18,982.91 | \$18,982.91 | \$18,982.91 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$97,980.00 | \$97,980.00 | \$97,980.00 | \$97,980.00 | \$97,980.00 | \$97,980.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant Test | 2.39 | 1.92 | 3.10 | 3.27 | 2.99 | 8.19 |
|  |  |  |  |  |  |  |
| Participant or Unit Costs (Gross) | \$77,000.00 | \$77,000.00 | \$77,000.00 | \$77,000.00 | \$77,000.00 | \$77,000.00 |
|  | \$97,980.00 | \$97,980.00 | \$97,980.00 | \$97,980.00 | \$97,980.00 | \$97,980.00 |
| Patricipant or Unit Tax Credits (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Bill Savings (Gross) Gas Bill Savings (Gross) | \$318,195.23 | \$310,770.95 | \$318,195.23 | \$318,195.23 | \$318,195.23 | \$324,238.85 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$318,195.23 | \$310,770.95 | \$318,195.23 | \$318,195.23 | \$318,195.23 | \$324,238.85 |
| Total | 4.03 | 3.96 | 4.03 | 4.03 | 4.03 | 4.10 |


| Present Values (PVs) of Impacts |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost | Market-Based |  |  |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| kW (Discounted) | 621.4750 | 621.4750 | 621.4750 | 621.4750 | 621.4750 | 621.4750 |
| kWh (Discounted) | 6669114.9874 | 6511720.4690 | 6669114.9874 | 6669114.9874 | 6669114.9874 | 6797866.7891 |
| CCF (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kW (Undiscounted) | 621.4750 | 621.4750 | 621.4750 | 621.4750 | 621.4750 | 621.4750 |
| kWh (Undiscounted) | 6669114.9874 | 6511720.4690 | 6669114.9874 | 6669114.9874 | 6669114.9874 | 6797866.7891 |
| CCF (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |



| Year | Participation |  |  |  |  |  | Total Participant CostsGross |  |  | Total Participant CostsNet Free Riders / Drop-Out |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { New } \\ \text { Participants } \end{gathered}$ | NewFree Rider | Cumulative Participants | Cumulative Free Riders | $\begin{aligned} & \text { Cumulative } \\ & \text { Participants } \end{aligned}$(net free riders) |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | One-Time | Anvual | Total | One-Time | Annual | Total |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 23 | 0 | 23 | 0 | 23 | 23 | \$97,980.00 | \$0.00 | \$97,980.00 | \$97,980.00 | \$0.00 | \$97,980.00 |
| 2 | 0 | 0 | 23 | 0 | ${ }^{23}$ | ${ }^{23}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | 0 | 0 | 23 | 0 | 23 | 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | 0 | 0 | 23 | 0 | 23 | ${ }^{23}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | 0 | 0 | 23 | 0 | 23 | 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | 0 | 0 | 23 | 0 | 23 | 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | 0 | 0 | 23 | 0 | 23 | 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | 0 | 0 | 23 | 0 | 23 | ${ }^{23}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | 0 | 0 | 23 | 0 | ${ }^{23}$ | 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | 0 | 0 | 23 | 0 | 23 | 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | 0 | 0 | 23 | 0 | 23 | 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | 0 | 0 | 23 | 0 | 23 | 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | 0 | 0 | 23 | 0 | 23 | 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | 0 | 0 | ${ }^{23}$ | 0 | ${ }^{23}$ | ${ }^{23}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | 0 | 0 | 23 | 0 | ${ }^{23}$ | ${ }^{23}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | 0 | 0 | 1 | 0 | 1 | 1 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | 0 | 0 | 1 | 0 | 1 | 1 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | 0 | 0 | 1 | 0 | 1 | 1 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | 0 | 0 | 1 | 0 | 1 | 1 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | 0 | 0 | 1 | 0 | 1 | 1 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| ${ }^{23}$ | 0 | 0 | 0 | 0 |  | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Toals | 23 | 0 | 350 | 0 | 350 | 350 | \$97,980 | \$0 | \$97,980 | \$97,980 | \$0 | \$97,980 |

Impacts and Savings (Losses Included)

| Year | Per Participant |  |  |  |  |  |  |  | Electric Impacts/Savings Cumulative |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | kw | kW (net) | Summer Coin kW | Summer Coin (net) | Winter CoinkW | Winter Coin (net) | kWh | kWh (net) | kw | kW (net) | Summer Coin kW | Summer Coin (nei) | Winter CoinkW | Winter Coin (net) | kWh | kWh (net) |
| 1 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 2 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 3 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 4 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 5 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 6 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 7 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 8 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 9 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 10 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 11 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 12 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 13 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 14 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 15 | 1.211 | 1.211 | 1.090 | 1.090 | 0.498 | 0.498 | 18,902.29 | 18,902.29 | 28 | 28 | 25 | 25 | 11 | 11 | 434,753 | 434,753 |
| 16 | 3.646 | 3.646 | 3.281 | 3.281 | 11.459 | 11.459 | 29,565.03 | 29,565.03 | 4 | 4 | 3 | 3 | 11 | 11 | 29,565 | 29,565 |
| 17 | 3.646 | 3.646 | 3.281 | 3.281 | 11.459 | 11.459 | 29,565.03 | 29,565.03 | 4 | 4 | 3 | 3 | 11 | 11 | 29,565 | 29,565 |
| 18 | ${ }^{3.646}$ | 3.646 | ${ }^{3.281}$ | ${ }^{3.281}$ | 11.459 | 11.459 | 29,565.03 | 29,565.03 | 4 | 4 | 3 | 3 | 11 | 11 | 29,565 | 29,565 |
| 19 | 3.646 | 3.646 | 3.281 | 3.281 | 11.459 | 11.459 | 29,565.03 | 29,565.03 | 4 | 4 | 3 | 3 | 11 | 11 | 29,565 | 29,565 |
| 20 | 3.646 | 3.646 | 3.281 | 3.281 | 11.459 | 11.459 | 29,565.03 | 29,565.03 | 4 | 4 | 3 | 3 | 11 | 11 | 29,565 | 29,565 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $\begin{array}{r}23 \\ 24 \\ \hline\end{array}$ | 0.000 0.000 | 0.000 0 0 | 0.000 0 0 | 0.000 0 0 | 0.000 0 0 | 0.000 0 0 | 0.00 0.00 | 0.00 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 24 25 | 0.000 0.000 | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | 0.00 0.00 | $\begin{aligned} & 0.00 \\ & 0.00 \end{aligned}$ | 0 | 0 | 0 | 0 | 0 | 0 | $\begin{aligned} & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  |  |  |  |  |  |  | 431359 | 431.359 |  |  |  |  |  |  | 6,669,115 | 6,669,115 |





Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)

| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | ${ }_{\text {Capacity }}$ | T80 | Ancillay | Total | Production | Capacity | Total |
| 1 | \$12,417.54 | \$2,363.62 | \$579.37 | \$0.00 | \$15,360.53 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$14,390.04 | \$2,363.62 | \$596.75 | \$0.00 | \$17,350.41 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$15,498.93 | \$2,363.62 | \$614.65 | \$0.00 | \$18,477.20 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$16,030.38 | \$2,363.62 | \$633.09 | \$0.00 | \$19,027.09 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$17,200.59 | \$2,363.62 | \$652.08 | \$0.00 | \$20,216.30 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$17,548.08 | \$2,363.62 | \$671.65 | \$0.00 | \$20,583.35 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$17,931.34 | \$2,363.62 | \$691.79 | \$0.00 | \$20,986.75 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$18,815.38 | \$2,363.62 | \$712.55 | \$0.00 | \$21,891.55 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$19,954.94 | \$2,363.62 | \$733.93 | \$0.00 | \$23,052.48 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$21,349.99 | \$2,363.62 | \$755.94 | \$0.00 | \$24,469.56 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$22,622.41 | \$2,363.62 | \$778.62 | \$0.00 | \$25,764.65 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$23,981.69 | \$2,363.62 | \$801.98 | \$0.00 | \$27,147.30 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$24,701.14 | \$2,363.62 | \$826.04 | \$0.00 | \$27,890.81 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$25,442.18 | \$2,363.62 | \$850.82 | \$0.00 | \$28,656.62 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$26,205.44 | \$2,363.62 | \$876.35 | \$0.00 | \$29,445.41 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$1,835.54 | \$309.48 | \$311.19 | \$0.00 | \$2,456.22 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$1,890.61 | \$309.48 | \$320.53 | \$0.00 | \$2,520.62 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$1,947.33 | \$309.48 | \$330.14 | \$0.00 | \$2,586.95 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$2,005.75 | \$309.48 | \$340.05 | \$0.00 | \$2,655.28 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$2,065.92 | \$309.48 | \$350.25 | \$0.00 | \$2,725.65 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totals | \$303,835.22 | \$37,001.76 | \$12,427.75 | \$0.00 | \$353,264.73 | \$0.00 | \$0.00 | \$0.00 |

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value


| Cost / Benefit Tests For Normal Weather | Cost |  |  | Market-Based |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test | 5.31 | 3.55 | 5.59 | 5.89 | 5.39 | 14.20 |
| TRC Test | 5.82 | 3.89 | 6.12 | 6.45 | 5.90 | 15.55 |
| RIM Test | 0.68 | 0.46 | 0.72 | 0.75 | 0.69 | 1.79 |
| RIM (Net Fuel) | 0.68 | 0.46 | 0.72 | 0.75 | 0.69 | 1.79 |
| Societal Test | 7.54 | 5.08 | 8.00 | 8.43 | 7.72 | 20.33 |
| Participant Test | 10.27 | 10.06 | 10.27 | 10.27 | 10.27 | 10.45 |


|  | Cost |  |  | Market-Based |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test |  |  |  |  |  |  |
| Avoided Electric Production | \$649,467.83 | \$581,294.18 | \$947,033.10 | \$1,000,258.92 | \$911,555.77 | \$2,491,756.38 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$248,338.69 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$56,058.58 | \$56,058.58 | \$56,058.58 | \$56,058.58 | \$56,058.58 | \$56,058.58 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$953,865.09 | \$637,352.75 | \$1,003,091.68 | \$1,056,317.50 | \$967,614.35 | \$2,547,814.96 |
| Administration Costs | \$5,793.77 | \$5,793.77 | \$5,793.77 | \$5,793.77 | \$5,793.77 | \$5,793.77 |
| Implementation / Participation Costs | \$24,645.61 | \$24,645.61 | \$24,645.61 | \$24,645.61 | \$24,645.61 | \$24,645.61 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$149,037.80 | \$149,037.80 | \$149,037.80 | \$149,037.80 | \$149,037.80 | \$149,037.80 |
| Total | \$179,477.18 | \$179,477.18 | \$179,477.18 | \$179,477.18 | \$179,477.18 | \$179,477.18 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 5.31 | 3.55 | 5.59 | 5.89 | 5.39 | 14.20 |
| TRC Test |  |  |  |  |  |  |
| Avoided Electric Production | \$649,467.83 | \$581,294.18 | \$947,033.10 | \$1,000,258.92 | \$911,555.77 | \$2,491,756.38 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$248,338.69 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$56,058.58 | \$56,058.58 | \$56,058.58 | \$56,058.58 | \$56,058.58 | \$56,058.58 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$953,865.09 | \$637,352.75 | \$1,003,091.68 | \$1,056,317.50 | \$967,614.35 | \$2,547,814.96 |
| Administration Costs | \$5,793.77 | \$5,793.77 | \$5,793.77 | \$5,793.77 | \$5,793.77 | \$5,793.77 |
| Implementation/Participation Costs | \$24,645.61 | \$24,645.61 | \$24,645.61 | \$24,645.61 | \$24,645.61 | \$24,645.61 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$30,439.38 | \$30,439.38 | \$30,439.38 | \$30,439.38 | \$30,439.38 | \$30,439.38 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$133,451.05 | \$133,451.05 | \$133,451.05 | \$133,451.05 | \$133,451.05 | \$133,451.05 |
| Participant or Unit Tax Credits (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 5.82 | 3.89 | 6.12 | 6.45 | 5.90 | 15.55 |
| RIM Test |  |  |  |  |  |  |
| Avoided Electric Production | \$649,467.83 | \$581,294.18 | \$947,033.10 | \$1,000,258.92 | \$911,555.77 | \$2,491,756.38 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$248,338.69 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\& ${ }^{\text {d }}$ | \$56,058.58 | \$56,058.58 | \$56,058.58 | \$56,058.58 | \$56,058.58 | \$56,058.58 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$953,865.09 | \$637,352.75 | \$1,003,091.68 | \$1,056,317.50 | \$967,614.35 | \$2,547,814.96 |
| Administration Costs | \$5,793.77 | \$5,793.77 | \$5,793.77 | \$5,793.77 | \$5,793.77 | \$5,793.77 |
| Implementation/ Participation Costs | \$24,645.61 | \$24,645.61 | \$24,645.61 | \$24,645.61 | \$24,645.61 | \$24,645.61 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$149,037.80 | \$149,037.80 | \$149,037.80 | \$149,037.80 | \$149,037.80 | \$149,037.80 |
| Total | \$179,477.18 | \$179,477.18 | \$179,477.18 | \$179,477.18 | \$179,477.18 | \$179,477.18 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue | \$1,221,448.03 | \$1,193,535.88 | \$1,221,448.03 | \$1,221,448.03 | \$1,221,448.03 | \$1,245,595.03 |
| Gas Lost Revenue | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$1,221,448.03 | \$1,193,535.88 | \$1,221,448.03 | \$1,221,448.03 | \$1,221,448.03 | \$1,245,595.03 |
| Electric Lost Revenue (Net Fuel) | \$1,221,448.03 | \$1,193,535.88 | \$1,221,448.03 | \$1,221,448.03 | \$1,221,448.03 | \$1,245,595.03 |
| Gas Lost Revenue (Net Fuel) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$1,221,448.03 | \$1,193,535.88 | \$1,221,448.03 | \$1,221,448.03 | \$1,221,448.03 | \$1,245,595.03 |
| Test Results | 0.68 | 0.46 | 0.72 | 0.75 | 0.69 | 1.79 |
| Societal Test | 0.68 | 0.46 | 0.72 | 0.75 | 0.69 | 1.79 |
| Avoided Electric Production | \$849,721.53 | \$760,619.66 | \$1,239,041.69 | \$1,308,680.39 | \$1,192,628.78 | \$3,259,839.18 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$313,878.25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$72,329.49 | \$72,329.49 | \$72,329.49 | \$72,329.49 | \$72,329.49 | \$72,329.49 |
| Avoided Eleetric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$1,235,929.27 | \$832,949.15 | \$1,311,371.18 | \$1,381,009.88 | \$1,264,958.27 | \$3,332,168.67 |
| Administration Costs | \$5,793.77 | \$5,793.77 | \$5,793.77 | \$5,793.77 | \$5,793.77 | \$5,793.77 |
| Implementation / Participation Costs | \$24,645.61 | \$24,645.61 | \$24,645.61 | \$24,645.61 | \$24,645.61 | \$24,645.61 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$30,439.38 | \$30,439.38 | \$30,439.38 | \$30,439.38 | \$30,439.38 | \$30,439.38 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$133,451.05 | \$133,451.05 | \$133,451.05 | \$133,451.05 | \$133,451.05 | \$133,451.05 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 7.54 | 5.08 | 8.00 | 8.43 | 7.72 | 20.33 |
| Participant Test |  |  |  |  |  |  |
|  | \$149,037.80 | \$149,037.80 | \$149,037.80 | \$149,037.80 | \$149,037.80 | \$149,037.80 |
| Participant or Unit Costs (Gross) | \$133,451.05 | \$133,451.05 | \$133,451.05 | \$133,451.05 | \$133,451.05 | \$133,451.05 |
| Participant or Unit Tax Credits (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Bill Savings (Gross) Gas Bill Savings (Gross) | \$1,221,448.03 | \$1,193,535.88 | \$1,221,448.03 | \$1,221,448.03 | \$1,221,448.03 | \$1,245,595.03 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$1,221,448.03 | \$1,193,535.88 | \$1,221,448.03 | \$1,221,448.03 | \$1,221,448.03 | \$1,245,595.03 |
| esults | 10. | 10.06 | 10.27 | 10.27 | 10.27 | 10.45 |


| Present Values (PVs) of Impacts |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \hline \text { Cost } \\ \text { Based } \end{gathered}$ | Market-Based |  |  |  |  |
|  |  | Minimum | Today | Alternate | Option | Maximum |
| kW (Discounted) | 8214.3050 | 8214.3050 | 8214.3050 | 8214.3050 | 8214.3050 | 8214.3050 |
| kWh (Discounted) | 25556511.8185 | 24710943.9314 | 25556511.8185 | 25556511.8185 | 25556511.8185 | 26287493.2916 |
| CCF (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kW (Undiscounted) | 8214.3050 | 8214.3050 | 8214.3050 | 8214.3050 | 8214.3050 | 8214.3050 |
| kWh (Undiscounted) | 25556511.8185 | 24710943.9314 | 25556511.8185 | 25556511.8185 | 25556511.8185 | 26287493.2916 |
| CCF (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |




Impacts and Savings (Losses Included)

| Year | Per Participant |  |  |  |  |  |  |  | Electric Impacts/SavingsCumulative |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | kW | kW (net) | Summer Coin kW | Summer Coin (net) | Winter CoinkW | Winter Coin (net) | kWh | kWh (net) | kN | kW (net) | Summer Coin kV | Summer Coin (net) | Winter Coinkw | Winter Coin (net) | kWh | kWh (net) |
| 1 | 4.695 | 4.695 | ${ }^{3.163}$ | ${ }^{3.163}$ | 3.244 | 3.244 | 19,959.50 | 19,959.50 | 413 | 413 | 278 | 278 | 286 | 286 | 1,756,436 | 1,756,436 |
| 2 | 4.695 | 4.695 | 3.163 | 3.163 | 3.244 | 3.244 | 19,959.50 | 19,959.50 | 413 | 413 | 278 | 278 | 286 | 286 | 1,756,436 | 1,756,436 |
| 3 | 4.695 | 4.695 | 3.163 | 3.163 | 3.244 | 3.244 | 19,959.50 | 19,959.50 | 413 | 413 | 278 | 278 | 286 | 286 | 1,756,436 | 1,756,436 |
| 4 | 4.997 | 4.997 | 3.359 | 3.359 | 3.448 | 3.448 | 21,287.59 | 21,287.59 | 400 | 400 | 269 | 269 | 276 | 276 | 1,703,008 | 1,703,008 |
| 5 | 4.997 | 4.997 | 3.359 | 3.359 | 3.448 | 3.448 | 21,287.59 | 21,287.59 | 400 | 400 | 269 | 269 | 276 | 276 | 1,703,008 | 1,703,008 |
| 6 | 4.997 | 4.997 | 3.359 | 3.359 | 3.448 | 3.448 | 21,287.59 | 21,287.59 | 400 | 400 | 269 | 269 | 276 | 276 | 1,703,008 | 1,703,008 |
| 7 | 4.997 | 4.997 | 3.359 | 3.359 | 3.448 | 3.448 | 21,287.59 | 21,287.59 | 400 | 400 | 269 | 269 | 276 | 276 | 1,703,008 | 1,703,008 |
| 8 | 4.997 | 4.997 | 3.359 | 3.359 | 3.448 | 3.448 | 21,287.59 | 21,287.59 | 400 | 400 | 269 | 269 | 276 | 276 | 1,703,008 | 1,703,008 |
| 9 | 5.111 | 5.111 | 3.445 | 3.445 | 3.527 | 3.527 | 21,765.97 | 21,765.97 | 399 | 399 | 269 | 269 | 275 | 275 | 1,697,746 | 1,697,746 |
| 10 | 5.111 | 5.111 | 3.445 | 3.445 | 3.527 | 3.527 | 21,765.97 | 21,765.97 | 399 | 399 | 269 | 269 | 275 | 275 | 1,697,746 | 1,697,746 |
| 11 | 5.111 | 5.111 | 3.445 | 3.445 | 3.527 | 3.527 | 21,765.97 | 21,765.97 | 399 | 399 | 269 | 269 | 275 | 275 | 1,697,746 | 1,697,746 |
| 12 | 5.111 | 5.111 | 3.445 | 3.445 | 3.527 | 3.527 | 21,765.97 | 21,765.97 | 399 | 399 | 269 | 269 | 275 | 275 | 1,697,746 | 1,697,746 |
| 13 | 5.111 | 5.111 | 3.445 | 3.445 | 3.527 | 3.527 | 21,765.97 | 21,765.97 | 399 | 399 | 269 | 269 | 275 | 275 | 1,697,746 | 1,697,746 |
| 14 | 5.111 | 5.111 | 3.445 | 3.445 | 3.527 | 3.527 | 21,765.97 | 21,765.97 | 399 | 399 | 269 | 269 | 275 | 275 | 1,697,746 | 1,697,746 |
| 15 | 6.362 | 6.362 | 4.554 | 4.554 | 4.554 | 4.554 | 26,866.11 | 26,866.11 | 375 | 375 | 269 | 269 | 269 | 269 | 1,585,100 | 1,585,100 |
| 16 | 0.049 | 0.049 | 0.036 | 0.036 | 0.036 | 0.036 | 197.35 | 197.35 | 0 | 0 | 0 | 0 | 0 | 0 | 197 | 197 |
| 17 | 0.049 | 0.049 | 0.036 | 0.036 | 0.036 | 0.036 | 197.35 | 197.35 | 0 | 0 | 0 | 0 | 0 | 0 | 197 | 197 |
| 18 | 0.049 | 0.049 | 0.036 | 0.036 | 0.036 | 0.036 | 197.35 | 197.35 | 0 | 0 | 0 | 0 | 0 |  | 197 | 197 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 |  |  | 0 | 0 | 0 | 0 |
| $\begin{array}{r}23 \\ 24 \\ \hline\end{array}$ | 0.000 0.000 | 0.000 0 0 | 0.000 0 0 | 0.000 0 0 | 0.000 0 0 | 0.000 0 0 | 0.00 0 | 0.00 0.00 | 0 |  | 0 | 0 |  | 0 | $\begin{aligned} & 0 \\ & 0 \end{aligned}$ |  |
| 24 25 | 0.000 0.000 | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | 0.000 0.000 | 0.00 0.00 | $\begin{aligned} & 0.00 \\ & 0.00 \end{aligned}$ | 0 0 | 0 | 0 | 0 | 0 | 0 | $\begin{aligned} & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  |  |  |  |  |  |  | 324.370 | 324.370 |  |  |  |  |  |  | 556.512 | 556 |




| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Adders Capacily | T8D | Ancillay | Total | Production | Capacity | Total |
| 1 | \$67,784.17 | \$0.00 | \$4,976.74 | \$0.00 | \$72,760.92 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$78,551.54 | \$0.00 | \$5,126.04 | \$0.00 | \$83,677.58 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$84,604.69 | \$0.00 | \$5,279.83 | \$0.00 | \$89,884.52 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$84,843.25 | \$0.00 | \$5,254.26 | \$0.00 | \$90,097.51 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$91,036.78 | \$0.00 | \$5,411.88 | \$0.00 | \$96,448.66 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$92,875.91 | \$0.00 | \$5,574.24 | \$0.00 | \$98,450.15 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$94,904.36 | \$0.00 | \$5,741.47 | \$0.00 | \$100,645.82 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$99,583.31 | \$0.00 | \$5,913.71 | \$0.00 | \$105,497.02 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$105,289.30 | \$0.00 | \$6,074.06 | \$0.00 | \$11,363.36 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$112,650.11 | \$0.00 | \$6,256.28 | \$0.00 | \$118,906.40 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$119,363.82 | \$0.00 | \$6,443.97 | \$0.00 | \$125,807.79 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$126,535.90 | \$0.00 | \$6,637.29 | \$0.00 | \$133,173.19 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$130,331.98 | \$0.00 | \$6,836.41 | \$0.00 | \$137,168.38 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$134,241.94 | \$0.00 | \$7,041.50 | \$0.00 | \$141,283.44 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$129,124.85 | \$0.00 | \$7,084.20 | \$0.00 | \$136,209.04 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$16.56 | \$0.00 | \$0.97 | \$0.00 | \$17.52 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$17.06 | \$0.00 | \$0.99 | \$0.00 | \$18.05 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$17.57 | \$0.00 | \$1.02 | \$0.00 | \$18.59 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| ${ }^{23}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | ${ }^{\$ 1.551 .00}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Toals | \$1,551,773.09 | \$0.00 | \$89,654.85 | \$0.00 | \$1,641,427.94 | \$0.00 | \$0.00 | \$0.00 |

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)
Cumulative Electric

| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capactiy | T8D | Ancilar | Total | Production | Capacity | Total |
| 1 | \$46,486.32 | \$26,253.06 | \$4,976.74 | \$0.00 | \$77,716.11 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$53,870.56 | \$26,253.06 | \$5,126.04 | \$0.00 | \$85,249.66 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$58,021.81 | \$26,253.06 | \$5,279.83 | \$0.00 | \$89,554.69 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$58,185.88 | \$25,342.10 | \$5,254.26 | \$0.00 | \$88,782.24 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$62,433.43 | \$25,342.10 | \$5,411.88 | \$0.00 | \$93,187.41 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$63,694.71 | \$25,342.10 | \$5,574.24 | \$0.00 | \$94,611.05 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$65,085.83 | \$25,342.10 | \$5,741.47 | \$0.00 | \$96,169.40 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$68,294.68 | \$25,342.10 | \$5,913.71 | \$0.00 | \$99,550.49 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$72,207.15 | \$25,342.10 | \$6,074.06 | \$0.00 | \$103,623.32 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$77,255.18 | \$25,342.10 | \$6,256.28 | \$0.00 | \$108,853.57 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$81,859.43 | \$25,342.10 | \$6,443.97 | \$0.00 | \$113,645.50 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$86,778.02 | \$25,342.10 | \$6,637.29 | \$0.00 | \$118,757.41 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$89,381.36 | \$25,342.10 | \$6,836.41 | \$0.00 | \$121,559.87 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$92,062.80 | \$25,342.10 | \$7,041.50 | \$0.00 | \$124,446.40 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$88,533.29 | \$25,342.10 | \$7,084.20 | \$0.00 | \$120,959.58 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$11.35 | \$3.35 | \$0.97 | \$0.00 | \$15.67 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$11.69 | \$3.35 | \$0.99 | \$0.00 | \$16.04 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$12.04 | \$3.35 | \$1.02 | \$0.00 | \$16.42 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| ${ }^{23}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totas | \$1,064,185.54 | \$382,874.46 | \$89,654.85 | \$0.00 | \$1,536,714.85 | \$0.00 | \$0.00 | \$0.00 |


| Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value |  |
| :--- | :--- | :--- |


| Year | Cumulative Electric |  |  |  |  | Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Adders Capaity |  | Ancilary | Total |  |
| 1 | \$65,244.40 | \$0.00 | \$4,976.74 | \$0.00 | \$70,221.15 |  |
| 2 | \$75,608.33 | \$0.00 | \$5,126.04 | \$0.00 | \$80,734.37 | \$0.00 |
| 3 | \$81,434.68 | \$0.00 | \$5,279.83 | \$0.00 | \$86,714.51 | \$0.00 |
| 4 | \$81,663.84 | \$0.00 | \$5,254.26 | \$0.00 | \$86,918.09 | \$0.00 |
| 5 | \$87,625.27 | \$0.00 | \$5,411.88 | \$0.00 | \$93,037.15 | \$0.00 |
| 6 | \$89,395.48 | \$0.00 | \$5,574.24 | \$0.00 | \$94,969.72 | \$0.00 |
| 7 | \$91,347.91 | \$0.00 | \$5,741.47 | \$0.00 | \$97,089.38 | \$0.00 |
| 8 | \$95,851.53 | \$0.00 | \$5,913.71 | \$0.00 | \$101,765.24 | \$0.00 |
| 9 | \$101,344.42 | \$0.00 | \$6,074.06 | \$0.00 | \$107,418.47 | \$0.00 |
| 10 | \$108,429.44 | \$0.00 | \$6,256.28 | \$0.00 | \$14,685.72 | \$0.00 |
| 11 | \$114,891.61 | \$0.00 | \$6,443.97 | \$0.00 | \$121,335.58 | \$0.00 |
| 12 | \$121,794.97 | \$0.00 | \$6,637.29 | \$0.00 | \$128,432.25 | \$0.00 |
| 13 | \$125,448.81 | \$0.00 | \$6,836.41 | \$0.00 | \$132,285.22 | \$0.00 |
| 14 | \$129,212.28 | \$0.00 | \$7,041.50 | \$0.00 | \$136,253.78 | \$0.00 |
| 15 | \$124,307.30 | \$0.00 | \$7,084.20 | \$0.00 | \$131,391.49 | \$0.00 |
| 16 | \$15.94 | \$0.00 | \$0.97 | \$0.00 | \$16.91 | \$0.00 |
| 17 | \$16.42 | \$0.00 | \$0.99 | \$0.00 | \$17.41 | \$0.00 |
| 18 | \$16.91 | \$0.00 | \$1.02 | \$0.00 | \$17.94 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| ${ }^{23}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$1,493,649.54 | \$0.00 | \$89,654.85 | \$0.00 | \$1,583,304.39 | \$0.00 |


| Discount: 7.09\% |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T\&D | Ancillary | Total |
| 1 | \$46,486.32 | \$26,253.06 | \$4,976.74 | \$0.00 | \$77,716.11 |
| 2 | \$50,304.01 | \$24,514.95 | \$4,786.67 | \$0.00 | \$79,605.62 |
| 3 | \$50,593.35 | \$22,891.91 | \$4,603.86 | \$0.00 | \$78,089.12 |
| 4 | \$47,377.36 | \$20,634.59 | \$4,278.23 | \$0.00 | \$72,290.18 |
| 5 | \$47,470.25 | \$19,268.46 | \$4,114.84 | \$0.00 | \$70,853.55 |
| 6 | \$45,222.94 | \$17,992.77 | \$3,957.68 | \$0.00 | \$67,173.39 |
| 7 | \$43,151.20 | \$16,801.54 | \$3,806.53 | \$0.00 | \$63,759.28 |
| 8 | \$42,280.92 | \$15,689.18 | \$3,661.15 | \$0.00 | \$61,631.25 |
| 9 | \$41,743.50 | \$14,650.46 | \$3,511.46 | \$0.00 | \$59,905.42 |
| 10 | \$41,704.93 | \$13,680.51 | \$3,377.35 | \$0.00 | \$58,762.79 |
| 11 | \$41,264.78 | \$12,774.78 | \$3,248.36 | \$0.00 | \$57,287.92 |
| 12 | \$40,848.08 | \$11,929.01 | \$3,124.30 | \$0.00 | \$55,901.39 |
| 13 | \$39,288.00 | \$11,139.24 | \$3,004.98 | \$0.00 | \$53,432.22 |
| 14 | \$37,787.51 | \$10,401.76 | \$2,890.21 | \$0.00 | \$51,079.47 |
| 15 | \$33,932.96 | \$9,713.10 | \$2,715.22 | \$0.00 | \$46,361.28 |
| 16 | \$4.06 | \$1.20 | \$0.35 | \$0.00 | \$5.61 |
| 17 | \$3.91 | \$1.12 | \$0.33 | \$0.00 | \$5.36 |
| 18 | \$3.76 | \$1.05 | \$0.32 | \$0.00 | \$5.13 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$649,467.83 | \$248,338.69 | \$56,058.58 | \$0.00 | \$953,865.09 |
|  | \$0.00 | (\$0.00) | \$0.00 | \$0.00 | \$0.00 |

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Appendix B
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|  | $\begin{gathered} \text { Cost } \\ \text { Based } \end{gathered}$ | Market-Based |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Minimum | Today | Alternate | Option | Maximum |
|  | Utility (PAC/UCT) Test |  |  |  |  |  |
| Avoided Electric Production | \$3,883,566.93 | \$3,495,200.75 | \$5,665,671.48 | \$5,984,742.81 | \$5,454,798.19 | \$14,876,317.92 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$1,516,618.69 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$337,838.98 | \$337,838.98 | \$337,838.98 | \$337,838.98 | \$337,838.98 | \$337,838.98 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$5,738,024.61 | \$3,833,039.73 | \$6,003,510.46 | \$6,322,581.79 | \$5,792,637.17 | \$15,214,156.89 |
| Administration Costs | \$16,810.60 | \$16,810.60 | \$16,810.60 | \$16,810.60 | \$16,810.60 | \$16,810.60 |
| Implementation / Participation Costs | \$51,451.01 | \$51,451.01 | \$51,451.01 | \$51,451.01 | \$51,451.01 | \$51,451.01 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$567,751.05 | \$567,751.05 | \$567,751.05 | \$567,751.05 | \$567,751.05 | \$567,751.05 |
| Total | \$636,012.66 | \$636,012.66 | \$636,012.66 | \$636,012.66 | \$636,012.66 | \$636,012.66 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 9.02 | 6.03 | 9.44 | 9.94 | 9.11 | 23.92 |


| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Test Results | 9.02 | 6.03 | 9.44 | 9.94 | 9.11 | 23.92 |
| TRC Test |  |  |  |  |  |  |
| Avoided Electric Production | \$3,883,566.93 | \$3,495,200.75 | \$5,665,671.48 | \$5,984,742.81 | \$5,454,798.19 | \$14,876,317.92 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$1,516,618.69 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$337,838.98 | \$337,838.98 | \$337,838.98 | \$337,838.98 | \$337,838.98 | \$337,838.98 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$5,738,024.61 | \$3,833,039.73 | \$6,003,510.46 | \$6,322,581.79 | \$5,792,637.17 | \$15,214,156.89 |
| Administration Costs | \$16,810.60 | \$16,810.60 | \$16,810.60 | \$16,810.60 | \$16,810.60 | \$16,810.60 |
| Implementation / Participation Costs | \$51,451.01 | \$51,451.01 | \$51,451.01 | \$51,451.01 | \$51,451.01 | \$51,451.01 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$68,261.61 | \$68,261.61 | \$68,261.61 | \$68,261.61 | \$68,261.61 | \$68,261.61 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$1,900,762.05 | \$1,900,762.05 | \$1,900,762.05 | \$1,900,762.05 | \$1,900,762.05 | \$1,900,762.05 |
| Participant or Unit Tax Credits (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |


| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RIM Test Test Results | 2.91 | 1.95 | 3.05 | 3.21 | 2.94 | 7.73 |
|  |  |  |  |  |  |  |
| Avoided Electric Production Avoided Electric Production Adders | \$3,883,566.93 | \$3,495,200.75 | \$5,665,671.48 | \$5,984,742.81 | \$5,454,798.19 | \$14,876,317.92 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electiric Production Adders | \$1,516,618.69 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$337,838.98 | \$337,838.98 | \$337,838.98 | \$337,838.98 | \$337,838.98 | \$337,838.98 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity ${ }_{\text {Total }}^{\text {Total }}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$5,738,024.61 | \$3,833,039.73 | \$6,003,510.46 | \$6,322,581.79 | \$5,792,637.17 | \$15,214,156.89 |
| Administration CostsImplementation / Participation Costs | \$16,810.60 | \$16,810.60 | \$16,810.60 | \$16,810.60 | \$16,810.60 | \$16,810.60 |
|  | \$51,451.01 | \$51,451.01 | \$51,451.01 | \$51,451.01 | \$51,451.01 | \$51,451.01 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$567,751.05 | \$567,751.05 | \$567,751.05 | \$567,751.05 | \$567,751.05 | \$567,751.05 |
| Total | \$636,012.66 | \$636,012.66 | \$636,012.66 | \$636,012.66 | \$636,012.66 | \$636,012.66 |
| Reduced Arears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue | \$7,083,875.47 | \$6,948,068.39 | \$7,083,875.47 | \$7,083,875.47 | \$7,083,875.47 | \$7,197,317.75 |
| Gas Lost Revenue | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$7,083,875.47 | \$6,948,068.39 | \$7,083,875.47 | \$7,083,875.47 | \$7,083,875.47 | \$7,197,317.75 |
| Electric Lost Revenue (Net Fuel) | \$7,083,875.47 | \$6,948,068.39 | \$7,083,875.47 | \$7,083,875.47 | \$7,083,875.47 | \$7,197,317.75 |
| Gas Lost Revenue (Net Fuel) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$7,083,875.47 | \$6,948,068.39 | \$7,083,875.47 | \$7,083,875.47 | \$7,083,875.47 | \$7,197,317.75 |
|  Total <br> Societal Test Test Results | 0.74 | 0.51 | 0.78 | 0.82 | 0.75 | 1.94 |
|  | 0.74 | 0.51 | 0.78 | 0.82 | 0.75 | 1.94 |
| Avoided Electric Production Avoided Electric Production Adders | \$5,089,487.54 | \$4,580,631.69 | \$7,424,970.27 | \$7,843,119.65 | \$7,148,619.11 | \$19,495,393.61 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$1,918,440.11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$436,658.72 | \$436,658.72 | \$436,658.72 | \$436,658.72 | \$436,658.72 | \$436,658.72 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas ProductionAvoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$7,444,586.37 | \$5,017,290.41 | \$7,861,628.98 | \$8,279,778.36 | \$7,585,277.82 | \$19,932,052.32 |
| Implementation/P Participation Costs | \$16,810.60 | \$16,810.60 | \$16,810.60 | \$16,810.60 | \$16,810.60 | \$16,810.60 |
|  | \$51,451.01 | \$51,451.01 | \$51,451.01 | \$51,451.01 | \$51,451.01 | \$51,451.01 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$68,261.61 | \$68,261.61 | \$68,261.61 | \$68,261.61 | \$68,261.61 | \$68,261.61 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$1,900,762.05 | \$1,900,762.05 | \$1,900,762.05 | \$1,900,762.05 | \$1,900,762.05 | \$1,900,762.05 |
| Environmental Beneefits <br> Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits <br> Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 3.78 | 2.55 | 3.99 | 4.21 | 3.85 | 10.12 |
| Participant Test |  |  |  |  |  |  |
| Incentives | \$567,751.05 | \$567,751.05 | \$567,751.05 | \$567,751.05 | \$567,751.05 | \$567,751.05 |
| Participant or Unit Costs (Gross) | \$1,900,762.05 | \$1,900,762.05 | \$1,900,762.05 | \$1,900,762.05 | \$1,900,762.05 | \$1,900,762.05 |
| Paticipant or Unit Tax Credits (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Bill <br> Gas Savings (Gross) <br> Gill Savings (Gross) | \$7,083,875.47 | \$6,948,068.39 | \$7,083,875.47 | \$7,083,875.47 | \$7,083,875.47 | \$7,197,317.75 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$7,083,875.47 | \$6,948,068.39 | \$7,083,875.47 | \$7,083,875.47 | \$7,083,875.47 | \$7,197,317.75 |
| Test Results | 4.03 | 3.95 | 4.03 | 4.03 | 4.03 | 4.09 |

[^0]| Participants | kWh | Summer kW | Winter kW |  |
| :---: | :---: | :---: | :---: | :---: |
| 888 | 10,306,816.03 | 1,677.154 | 1,622.735 | Generator |
|  | 9,372,606 | 1,525.137 | 1,475.650 | Meter |
| Check: | 9,449,667 | Loss Factor: | 9.06\% |  |
|  | Implementation |  |  |  |
| Administration Costs | Costs | Other/Misc. Costs | Incentives | Total Costs |
| \$16,810.60 | \$51,451.01 | \$0.00 | \$567,751.05 | \$636,012.66 |



Impacts and Savings (Losses Included)

| Year | Per Participant ${ }^{\text {a }}$ ( Electric Impacts/Savings ${ }^{\text {Cumulative }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | kW | kW (net) | Summer Coin kW | Summer Coin (nel) | Winter Coinkw | Winter Coin (net) | kWh | $\mathrm{kWh}^{\text {nenel) }}$ | kW | kW (net) | Summer Coin kW | Summer Coin (net) | Winter CoinkW | Winter Coin (net) | kWh | ${ }^{\mathrm{k} W \mathrm{~W} \text { (nel) }}$ |
| 1 | 2.403 | 2.403 | 1.889 | 1.889 | 1.827 | 1.827 | 11,606.77 | 11,606.77 | 2,134 | 2,134 | 1,677 | 1,677 | 1,623 | 1,623 | 10,306,816 | 10,306,816 |
| 2 | 2.403 | 2.403 | 1.889 | 1.889 | 1.827 | 1.827 | 11,606.77 | 11,606.77 | 2,134 | 2,134 | 1,677 | 1,677 | 1,623 | 1,623 | 10,306,816 | 10,306,816 |
| 3 | 2.403 | 2.403 | 1.889 | 1.889 | 1.827 | 1.827 | 11,606.77 | 11,606.77 | 2,134 | 2,134 | 1,677 | 1,677 | 1,623 | 1,623 | 10,306,816 | 10,306,816 |
| 4 | 3.881 | 3.881 | 3.056 | 3.056 | 2.955 | 2.955 | 18,784.30 | 18,784.30 | 2,100 | 2,100 | 1,653 | 1,653 | 1,599 | 1,599 | 10,162,305 | 10,162,305 |
| 5 | 3.881 | 3.881 | 3.056 | 3.056 | 2.955 | 2.955 | 18,784.30 | 18,784.30 | 2,100 | 2,100 | 1,653 | 1,653 | 1,599 | 1,599 | 10,162,305 | 10,162,305 |
| 6 | 3.916 | 3.916 | 3.084 | 3.084 | 2.982 | 2.982 | 18,944.61 | 18,944.61 | 2,099 | 2,099 | 1,653 | 1,653 | 1,598 | 1,598 | 10,154,312 | 10,154,312 |
| 7 | 3.916 | 3.916 | 3.084 | 3.084 | 2.982 | 2.982 | 18,944.61 | 18,944.61 | 2,099 | 2,099 | 1,653 | 1,653 | 1,598 | 1,598 | 10,154,312 | 10,154,312 |
| 8 | 3.916 | 3.916 | 3.084 | 3.084 | 2.982 | 2.982 | 18,944.61 | 18,944.61 | 2,099 | 2,099 | 1,653 | 1,653 | 1,598 | 1,598 | 10,154,312 | 10,154,312 |
| 9 | 3.929 | 3.929 | 3.095 | 3.095 | 2.992 | 2.992 | 19,005.71 | 19,005.71 | 2,098 | 2,098 | 1,653 | 1,653 | 1,598 | 1,598 | 10,149,050 | 10,149,050 |
| 10 | 3.929 | 3.929 | 3.095 | 3.095 | 2.992 | 2.992 | 19,005.71 | 19,005.71 | 2,098 | 2,098 | 1,653 | 1,653 | 1,598 | 1,598 | 10,149,050 | 10,149,050 |
| 11 | 3.929 | 3.929 | 3.095 | 3.095 | 2.992 | 2.992 | 19,005.71 | 19,005.71 | 2,098 | 2,098 | 1,653 | 1,653 | 1,598 | 1,598 | 10,149,050 | 10,149,050 |
| 12 | 4.121 | 4.121 | 3.220 | 3.220 | 3.117 | 3.117 | 19,757.21 | 19,757.21 | 2,097 | 2,097 | 1,639 | 1,639 | 1,586 | 1,586 | 10,056,418 | 10,056,418 |
| 13 | 4.396 | 4.396 | 3.434 | 3.434 | 3.324 | 3.324 | 21,071.96 | 21,071.96 | 2,097 | 2,097 | 1,638 | 1,638 | 1,586 | 1,586 | 10,051,323 | 10,051,323 |
| 14 | 4.608 | 4.608 | 3.600 | 3.600 | 3.485 | 3.485 | 22,088.17 | 22,088.17 | 2,097 | 2,097 | 1,638 | 1,638 | 1,586 | 1,586 | 10,050,118 | 10,050,118 |
| 15 | 4.756 | 4.756 | 3.757 | 3.757 | 3.622 | 3.622 | 22,792.37 | 22,792.37 | 2,073 | 2,073 | 1,638 | 1,638 | 1,579 | 1,579 | 9,937,473 | 9,937,473 |
| 16 | 0.553 | 0.553 | 0.491 | 0.491 | 1.659 | 1.659 | 4,402.12 | 4,402.12 | 4 | 4 | 3 | 3 | 12 | 12 | 30,815 | 30,815 |
| 17 | 1.848 | 1.848 | 1.658 | 1.658 | 5.747 | 5.747 | 14,881.19 | 14,881.19 | 4 | 4 | 3 | 3 | 11 | 11 | 29,762 | 29,762 |
| 18 | 1.848 | 1.848 | 1.658 | 1.658 | 5.747 | 5.747 | 14,881.19 | 14,881.19 | 4 | 4 | 3 | 3 | 11 | 11 | 29,762 | 29,762 |
| 19 | 3.646 | 3.646 | 3.281 | 3.281 | 11.459 | 11.459 | 29,565.03 | 29,565.03 | 4 | 4 | 3 | 3 | 11 | 11 | 29,565 | 29,565 |
| 20 | 3.646 | 3.646 | ${ }^{3.281}$ | 3.281 | 11.459 | 11.459 | 29,565.03 | 29,565.03 | 4 | 4 | 3 | 3 | 11 | 11 | 29,565 | 29,565 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 |  |  | 0 | O |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ${ }^{23}$ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | ${ }^{0.000}$ | ${ }^{0.000}$ | 0.000 | ${ }^{0.000}$ | ${ }^{0.000}$ | ${ }^{0.000}$ | 0.00 | 0.00 | 0 | 0 | 0 |  | 0 | 0 | 0 |  |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Totas |  |  |  |  |  |  | 365,244 | 365,244 |  |  |  |  |  |  | 152,399,947 | 152,399,947 |



| Utility Program Costs |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Overall Costs |  |  |  |  | Total Costs per kW, kWh, and CCF Saved (Losses Included) |  |  |  |  |  |
| Year | Administataon | Implementaion |  | Other | Total | \$ KW | \$ kW ( net) | SkWh | SkWh (net) | s C C ${ }^{\text {c }}$ | SICCF (net) |
| 1 | \$16,810.60 | \$51,451.01 | \$567,751.05 | \$0.00 | \$636,012.66 | \$192.74 | \$192.74 | \$0.06 | \$0.06 | \$0.00 | \$0.00 |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totals | \$16,810.60 | \$51,451.01 | \$567,751.05 | \$0.00 | \$636,012.66 | \$192.74 | \$192.74 | \$0.06 | \$0.06 | \$0.00 | \$0.00 |



Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)

| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capactiy | T8D | Ancillay | Total | Production | Capacity | Total |
| 1 | \$273,925.76 | \$158,189.21 | \$29,502.48 | \$0.00 | \$461,617.45 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$317,438.25 | \$158,189.21 | \$30,387.55 | \$0.00 | \$506,015.01 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$341,899.93 | \$158,189.21 | \$31,299.18 | \$0.00 | \$531,388.32 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$348,439.61 | \$155,934.01 | \$31,782.72 | \$0.00 | \$536,156.34 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$373,875.59 | \$155,934.01 | \$32,736.20 | \$0.00 | \$562,545.80 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$381,106.00 | \$155,903.17 | \$33,711.68 | \$0.00 | \$570,720.85 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$389,429.52 | \$155,903.17 | \$34,723.03 | \$0.00 | \$580,055.72 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$408,629.09 | \$155,903.17 | \$35,764.72 | \$0.00 | \$600,296.98 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$433,153.89 | \$155,903.17 | \$36,820.60 | \$0.00 | \$625,877.66 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$463,435.84 | \$155,903.17 | \$37,925.22 | \$0.00 | \$657,264.23 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$491,055.64 | \$155,903.17 | \$39,062.98 | \$0.00 | \$686,021.78 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$515,819.74 | \$154,566.58 | \$39,892.94 | \$0.00 | \$710,279.26 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$531,004.83 | \$154,510.62 | \$41,074.98 | \$0.00 | \$726,590.42 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$546,864.48 | \$154,497.04 | \$42,303.55 | \$0.00 | \$743,665.07 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$556,979.02 | \$154,497.04 | \$43,404.10 | \$0.00 | \$754,880.16 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$1,912.24 | \$324.03 | \$315.38 | \$0.00 | \$2,551.65 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$1,902.30 | \$312.84 | \$321.52 | \$0.00 | \$2,536.66 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$1,959.37 | \$312.84 | \$331.17 | \$0.00 | \$2,603.38 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$2,005.75 | \$309.48 | \$340.05 | \$0.00 | \$2,655.28 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$2,065.92 | \$309.48 | \$350.25 | \$0.00 | \$2,725.65 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| ${ }^{23}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totas | \$6,382,902.77 | \$2,341,494.60 | \$542,050.31 | \$0.00 | \$9,266,447.67 | \$0.00 | \$0.00 | \$0.00 |


| Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value |  |
| :--- | :--- | :--- |
| Cumulative Electric |  |


| Year | Cumulative Electric |  |  |  |  | Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Adders Capaity |  | Ancilary | Total |  |
| 1 | \$384,770.23 | \$0.00 | \$29,502.48 | \$0.00 | \$414,272.71 | \$0.00 |
| 2 | \$445,890.11 | \$0.00 | \$30,387.55 | \$0.00 | \$476,277.66 | \$0.00 |
| 3 | \$480,250.25 | \$0.00 | \$31,299.18 | \$0.00 | \$511,549.43 | \$0.00 |
| 4 | \$489,401.96 | \$0.00 | \$31,782.72 | \$0.00 | \$521,184.68 | \$0.00 |
| 5 | \$525,128.15 | \$0.00 | \$32,736.20 | \$0.00 | \$557,864.35 | \$0.00 |
| 6 | \$535,280.23 | \$0.00 | \$33,711.68 | \$0.00 | \$568,991.91 | \$0.00 |
| 7 | \$546,970.97 | \$0.00 | \$34,723.03 | \$0.00 | \$581,694.01 | \$0.00 |
| 8 | \$573,937.63 | \$0.00 | \$35,764.72 | \$0.00 | \$609,702.35 | \$0.00 |
| 9 | \$608,385.75 | \$0.00 | \$36,820.60 | \$0.00 | \$645,206.36 | \$0.00 |
| 10 | \$650,918.23 | \$0.00 | \$37,925.22 | \$0.00 | \$688,843.45 | \$0.00 |
| 11 | \$689,711.58 | \$0.00 | \$39,062.98 | \$0.00 | \$728,774.56 | \$0.00 |
| 12 | \$724,494.97 | \$0.00 | \$39,892.94 | \$0.00 | \$764,387.91 | \$0.00 |
| 13 | \$745,820.12 | \$0.00 | \$41,074.98 | \$0.00 | \$786,895.11 | \$0.00 |
| 14 | \$768,094.98 | \$0.00 | \$42,303.55 | \$0.00 | \$810,398.52 | \$0.00 |
| 15 | \$782,356.48 | \$0.00 | \$43,404.10 | \$0.00 | \$825,760.58 | \$0.00 |
| 16 | \$2,705.95 | \$0.00 | \$315.38 | \$0.00 | \$3,021.33 | \$0.00 |
| 17 | \$2,691.89 | \$0.00 | \$321.52 | \$0.00 | \$3,013.41 | \$0.00 |
| 18 | \$2,772.65 | \$0.00 | \$331.17 | \$0.00 | \$3,103.81 | \$0.00 |
| 19 | \$2,838.41 | \$0.00 | \$340.05 | \$0.00 | \$3,178.45 | \$0.00 |
| 20 | \$2,923.56 | \$0.00 | \$350.25 | \$0.00 | \$3,273.81 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totals | \$8,965,344.09 | \$0.00 | \$542,050.31 | \$0.00 | \$9,507,394.39 | \$0.00 |


| Discount: 7.09\% |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T\&D | Ancillary | Total |
| 1 | \$273,925.76 | \$158,189.21 | \$29,502.48 | \$0.00 | \$461,617.45 |
| 2 | \$296,421.93 | \$147,716.14 | \$28,375.71 | \$0.00 | \$472,513.78 |
| 3 | \$298,126.91 | \$137,936.44 | \$27,291.98 | \$0.00 | \$463,355.33 |
| 4 | \$283,714.00 | \$126,967.94 | \$25,878.81 | \$0.00 | \$436,560.75 |
| 5 | \$284,270.27 | \$118,561.91 | \$24,890.44 | \$0.00 | \$427,722.62 |
| 6 | \$270,583.43 | \$110,690.50 | \$23,935.13 | \$0.00 | \$405,209.06 |
| 7 | \$258,187.58 | \$103,362.13 | \$23,021.00 | \$0.00 | \$384,570.71 |
| 8 | \$252,980.39 | \$96,518.93 | \$22,141.78 | \$0.00 | \$371,641.09 |
| 9 | \$250,409.54 | \$90,128.80 | \$21,286.27 | \$0.00 | \$361,824.61 |
| 10 | \$250,178.13 | \$84,161.73 | \$20,473.30 | \$0.00 | \$354,813.17 |
| 11 | \$247,537.79 | \$78,589.72 | \$19,691.38 | \$0.00 | \$345,818.90 |
| 12 | \$242,806.25 | \$72,757.45 | \$18,778.37 | \$0.00 | \$334,342.07 |
| 13 | \$233,405.69 | \$67,915.88 | \$18,054.70 | \$0.00 | \$319,376.27 |
| 14 | \$224,462.49 | \$63,413.86 | \$17,363.64 | \$0.00 | \$305, 240.00 |
| 15 | \$213,478.42 | \$59,215.49 | \$16,635.89 | \$0.00 | \$289,329.79 |
| 16 | \$684.40 | \$115.97 | \$112.88 | \$0.00 | \$913.24 |
| 17 | \$635.77 | \$104.55 | \$107.45 | \$0.00 | \$847.77 |
| 18 | \$611.48 | \$97.63 | \$103.35 | \$0.00 | \$812.47 |
| 19 | \$584.52 | \$90.19 | \$99.10 | \$0.00 | \$773.80 |
| 20 | \$562.19 | \$84.22 | \$95.31 | \$0.00 | \$741.72 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$3,883,566.93 | \$1,516,618.69 | \$337,838.98 | \$0.00 | \$5,738,024.61 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |


| Cost/Benefit Tests For Normal Weather | Cost |  |  | Market-Based |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test | 0.00 | 0.00 | 0.00 | 0.0 | 0.00 | 0.00 |
| TRC Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RIM Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RIM (Net Fuel) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Socieal Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Participant Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |


| Present Values (PVs) of Costs and Benefits Per Test |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost |  |  | Market-Based |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test |  |  |  |  |  |  |
| Avoided Electric Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Administration Costs | \$37,678.78 | \$37,678.78 | \$37,678.78 | \$37,678.78 | \$37,678.78 | \$37,678.78 |
| Implementation / Participation Costs | \$2,553.82 | \$2,553.82 | \$2,553.82 | \$2,553.82 | \$2,553.82 | \$2,553.82 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$40,232.60 | \$40,232.60 | \$40,232.60 | \$40,232.60 | \$40,232.60 | \$40,232.60 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| TRC Test Test Results | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Avoided Electric Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Eleetric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Administration Costs | \$37,678.78 | \$37,678.78 | \$37,678.78 | \$37,678.78 | \$37,678.78 | \$37,678.78 |
| Implementation / Participation Costs | \$2,553.82 | \$2,553.82 | \$2,553.82 | \$2,553.82 | \$2,553.82 | \$2,553.82 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$40,232.60 | \$40,232.60 | \$40,232.60 | \$40,232.60 | \$40,232.60 | \$40,232.60 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Tax Credits (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| RIM Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |
| Avoided Electric ProductionAvoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity Avoided Electric T T\% | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Administration CostsImplementation / Participation CostsOther / Miscellaneous Costs | \$37,678.78 | \$37,678.78 | \$37,678.78 | \$37,678.78 | \$37,678.78 | \$37,678.78 |
|  | \$2,553.82 | \$2,553.82 | \$2,553.82 | \$2,553.82 | \$2,553.82 | \$2,553.82 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$40,232.60 | \$40,232.60 | \$40,232.60 | \$40,232.60 | \$40,232.60 | \$40,232.60 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue <br> Gas Lost Revenue | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Gas Lost Revenue $\begin{array}{r}\text { Total } \\ \hline\end{array}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue (Net Fuel) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Gas Lost Revenue (Net Fuel) ${ }_{\text {Total }}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Societal Test Test Results | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Avoided Electric Production Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&DAvoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas CapacityTotal | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Administration Costs | \$37,678.78 | \$37,678.78 | \$37,678.78 | \$37,678.78 | \$37,678.78 | \$37,678.78 |
| Adminisistration Costs Implementation/Participation Costs | \$2,553.82 | \$2,553.82 | \$2,553.82 | \$2,553.82 | \$2,553.82 | \$2,553.82 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$40,232.60 | \$40,232.60 | \$40,232.60 | \$40,232.60 | \$40,232.60 | \$40,232.60 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant Test $\quad$ Test Results | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Participant Test Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Tax Credits (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Bill Savings (Gross)Gas Bill Savings (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total <br> Test Results | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! |


| Present Values (PVs) of Impacts |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost | Market-Based |  |  |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| kW (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kWh (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| CCF (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kW (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kWh (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| CCF (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |


| NET BENEFITS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Total | Total | Net | Benfit/ |  |
| Benefits | Costs | Benefits | Cost Ratio |  |
| \$0.00 | \$40,232.60 | (\$40,232.60) | inf. | Utility (PAC) Test |
| \$0.00 | \$40,232.60 | (\$40,232.60) | inf. | TRC Test |
| \$0.00 | \$40,232.60 | $(\$ 40,232.60)$ | inf. | RIM Test |
| \$0.00 | \$40,232.60 | (\$40,232.60) | inf. | RIM (Net Fuel) Test |
| \$0.00 | \$40,232.60 | (\$40,232.60) | inf. | Societal Test |
| \$0.00 | \$0.00 | \$0.00 | inf. | Participant Test |


| Participants | kWh | Summer kW | Winter kW |  |
| :---: | :---: | :---: | :---: | :---: |
| 265 | 0.00 | 0.000 | 0.000 | Generator |
|  | 0 | 0.000 | 0.000 | Meter |
| Check: | (579) | Loss Factor: | 9.06\% |  |
| Implementation |  |  |  |  |
| Administration Costs | Costs | Other/Misc. Costs | Incentives | Total Costs |
| \$37,678.78 | \$2,553.82 | \$0.00 | \$0.00 | \$40,232.60 |

Docket No. EL22
Appendix B


Impacts and Savings (Losses Included)

| Year | Per Participant ${ }^{\text {a }}$ ( Electric Impacts/Savings Cumulative |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | kW | kW (nel) | Summer Coin kW | Summer Coin (net) | Winter Coin kW | Winter Coin (net) | $\mathrm{kWh}^{\text {n }}$ | kWh (nel) | kw | kW (net) | Summer Coin kW | Summer Coin (net) | Winter Coinkw | Winter Coin (net) | kWh | $\mathrm{kWWh}^{\text {(net) }}$ |
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 15 | 0.000 0.000 | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | 0.000 0.000 | 0.000 0.000 | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | 0.000 0.000 | 0.00 0.00 | 0.00 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 |  | 0 | 0 |  | $0$ |  |
| 22 23 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.00 0.00 | 0.00 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Totas |  |  |  |  |  |  | 0 | 0 |  |  |  |  |  |  | 0 | 0 |




Appendix B
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Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)

|  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value

| Year | Cumulative Electric |  |  |  |  | Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Adders Capacity | T80 | Ancillary | Total |  |
| 1 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |  |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |


| Discount: |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T\&D | Ancillary | Total |
| 1 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | $\$ 0.00$ | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |


| Cost/Benefit Tests For Normal Weather |  |  |  |  |  |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost |  |  | Market-Based |  |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |  |
| Utility (PAC/UCT) Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| TRC Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| RIM Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| RIM (Net Fuel) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| Societal Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| Participant Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |


| Present Values (PVs) of Costs and Benefits Per Test |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost |  |  | Market-Based |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| Utility (PAC/UCT) Test |  |  |  |  |  |  |
| Avoided Electric Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Administration Costs | \$7,468.27 | \$7,468.27 | \$7,468.27 | \$7,468.27 | \$7,468.27 | \$7,468.27 |
| Implementation / Participation Costs | \$11,636.04 | \$11,636.04 | \$11,636.04 | \$11,636.04 | \$11,636.04 | \$11,636.04 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$19,104.31 | \$19,104.31 | \$19,104.31 | \$19,104.31 | \$19,104.31 | \$19,104.31 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| TRC Test | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Avoided Electric Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Administration Costs | \$7,468.27 | \$7,468.27 | \$7,468.27 | \$7,468.27 | \$7,468.27 | \$7,468.27 |
| Implementation / Participation Costs | \$11,636.04 | \$11,636.04 | \$11,636.04 | \$11,636.04 | \$11,636.04 | \$11,636.04 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$19,104.31 | \$19,104.31 | \$19,104.31 | \$19,104.31 | \$19,104.31 | \$19,104.31 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Tax Credits (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| RIM Test Test Results | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Avoided Electric ProductionAvoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric CapacityAvoided Electric T\&D | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Administration CostsImplementation / Participation CostsOther / Miscellaneous Costs | \$7,468.27 | \$7,468.27 | \$7,468.27 | \$7,468.27 | \$7,468.27 | \$7,468.27 |
|  | \$11,636.04 | \$11,636.04 | \$11,636.04 | \$11,636.04 | \$11,636.04 | \$11,636.04 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$19,104.31 | \$19,104.31 | \$19,104.31 | \$19,104.31 | \$19,104.31 | \$19,104.31 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue Gas Lost Revenue Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue (Net Fuel) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Gas Lost Revenue (Net Fuel) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Societal Test Test Results | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Avoided Electric Production Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric TRDAvoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Administration Costa $\begin{array}{r}\text { Tosts } \\ \end{array}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$7,468.27 | \$7,468.27 | \$7,468.27 | \$7,468.27 | \$7,468.27 | \$7,468.27 |
| Adminisistration Costs Implementation/Participation Costs | \$11,636.04 | \$11,636.04 | \$11,636.04 | \$11,636.04 | \$11,636.04 | \$11,636.04 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$19,104.31 | \$19,104.31 | \$19,104.31 | \$19,104.31 | \$19,104.31 | \$19,104.31 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Tax Credits (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Bill Savings (Gross)Gas Bill Savings (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| $\xrightarrow{\text { Total }}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! | \#DIV/0! |


| Present Values (PVs) of Impacts |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost | Market-Based |  |  |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| kW (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kWh (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| CCF (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kW (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kWh (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| CCF (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |


| NET BENEFITS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Total | Total | Net | Benfit/ |  |
| Benefits | Costs | Benefits | Cost Ratio |  |
| \$0.00 | \$19,104.31 | (\$19,104.31) | inf. | Utility (PAC) Test |
| \$0.00 | \$19,104.31 | (\$19,104.31) | inf. | TRC Test |
| \$0.00 | \$19,104.31 | (\$19,104.31) | inf. | RIM Test |
| \$0.00 | \$19,104.31 | (\$19,104.31) | inf. | RIM (Net Fuel) Test |
| \$0.00 | \$19,104.31 | (\$19,104.31) | inf. | Societal Test |
| \$0.00 | \$0.00 | \$0.00 | inf. | Participant Test |


| Participants | kWh | Summer kW | Winter kW |  |
| :---: | :---: | :---: | :---: | :---: |
| 0 | 0.00 | 0.000 | 0.000 | Generator <br> Meter |
|  | 0 | 0.000 | 0.000 |  |
| Check: | (579) | Loss Factor: | 9.06\% |  |
| Implementation |  |  |  |  |
| Administration Costs | Costs | Other/Misc. Costs | Incentives | Total Costs |
| \$7,468.27 | \$11,636.04 | \$0.00 | \$0.00 | \$19,104.31 |



Impacts and Savings (Losses Included)

| Year | Per Participant ${ }^{\text {a }}$ ( Electric Impacts/Savings Cumulative |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | kW | kW (nel) | Summer Coin kW | Summer Coin (net) | Winter Coin kW | Winter Coin (net) | $\mathrm{kWh}^{\text {n }}$ | kWh (nel) | kw | kW (net) | Summer Coin kW | Summer Coin (net) | Winter Coinkw | Winter Coin (net) | kWh | $\mathrm{kWWh}^{\text {(net) }}$ |
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 15 | 0.000 0.000 | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | 0.000 0.000 | 0.000 0.000 | $\begin{aligned} & 0.000 \\ & 0.000 \end{aligned}$ | 0.000 0.000 | 0.00 0.00 | 0.00 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 |  | 0 | 0 |  | $0$ |  |
| 22 23 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.000 0.000 | 0.00 0.00 | 0.00 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Totas |  |  |  |  |  |  | 0 | 0 |  |  |  |  |  |  | 0 | 0 |



| Utility Program Costs |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Overall Costs |  |  |  |  | Total Costs per kW, kWh, and CCF Saved (Losses Included) |  |  |  |  |  |
| Year | Administation | Implementaion |  | Other | Total | \$kN |  |  |  | s C C ${ }^{\text {c }}$ | SICCF (net) |
| 1 | \$7,468.27 | \$11,636.04 | \$0.00 | \$0.00 | \$19,104.31 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| - | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$10.00 | \$0.00 | \$0.00 | \$90.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

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Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)

| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T8D | Ancillay | Total | Production | Capacity | Total |
| 1 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| ${ }^{23}$ | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 25 | $\$ 0.00$ $\$ 0.00$ | $\$ 0.00$ $\$ 0.00$ | $\$ 0.00$ $\$ 0.00$ | $\$ 0.00$ $\$ 0.00$ | $\$ 0.00$ $\$ 0.00$ | $\$ 0.00$ $\$ 0.00$ | $\$ 0.00$ $\$ 0.00$ | $\$ 0.00$ $\$ 0.00$ |
| Totas | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value

| Year | Cumulative Electric |  |  |  |  | Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Adders Capacily | T8D | Ancillay | Total |  |
| 1 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totas | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |


| Discount: |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T\&D | Ancillary | Total |
| 1 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | $\$ 0.00$ | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

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| Present Values (PVs) of Costs and Benefits Per Test |  |  |  |  |  |  |  |
| :--- | ---: | :--- | :--- | :--- | :--- | :--- | :--- |
|  | Cost |  |  |  |  |  |  |
|  |  | Based |  | Minimum | Today | Market-Based | Alternate |



| TRC Test |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Avoided Electric Production | \$4,605,615.66 | \$4,133,630.59 | \$6,726,946.13 | \$7,107,571.95 | \$6,479,273.91 | \$17,753,078.74 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$1,629,711.32 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$365,861.37 | \$365,861.37 | \$365,861.37 | \$365,861.37 | \$365,861.37 | \$365,861.37 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$6,601,188.35 | \$4,499,491.96 | \$7,092,807.50 | \$7,473,433.32 | \$6,845,135.28 | \$18,118,940.11 |
| Administration Costs | \$92,240.56 | \$92,240.56 | \$92,240.56 | \$92,240.56 | \$92,240.56 | \$92,240.56 |
| Implementation / Participation Costs | \$84,800.48 | \$84,800.48 | \$84,800.48 | \$84,800.48 | \$84,800.48 | \$84,800.48 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$177,041.04 | \$177,041.04 | \$177,041.04 | \$177,041.04 | \$177,041.04 | \$177,041.04 |
| Reduced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$2,369,328.87 | \$2,369,328.87 | \$2,369,328.87 | \$2,369,328.87 | \$2,369,328.87 | \$2,369,328.87 |
| Participant or Unit Tax Credits (Net) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |


| Test Results | 2.59 | 1.77 | 2.79 | 2.93 | 2.69 | 7.12 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Avoided Electric Production | \$4,605,615.66 | \$4,133,630.59 | \$6,726,946.13 | \$7,107,571.95 | \$6,479,273.91 | \$17,753,078.74 |
| Avoided Electric Production Adders | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$1,629,711.32 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$365,861.37 | \$365,861.37 | \$365,861.37 | \$365,861.37 | \$365,861.37 | \$365,861.37 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Production | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$6,601,188.35 | \$4,499,491.96 | \$7,092,807.50 | \$7,473,433.32 | \$6,845,135.28 | \$18,118,940.11 |
| Administration Costs | \$92,240.56 | \$92,240.56 | \$92,240.56 | \$92,240.56 | \$92,240.56 | \$92,240.56 |
| Implementation / Participation Costs | \$84,800.48 | \$84,800.48 | \$84,800.48 | \$84,800.48 | \$84,800.48 | \$84,800.48 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Incentives | \$749,963.65 | \$749,963.65 | \$749,963.65 | \$749,963.65 | \$749,963.65 | \$749,963.65 |
| Total | \$927,004.69 | \$927,004.69 | \$927,004.69 | \$927,004.69 | \$927,004.69 | \$927,004.69 |
| duced Arrears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Lost Revenue | \$8,781,227.04 | \$8,597,346.99 | \$8,781,227.04 | \$8,781,227.04 | \$8,781,227.04 | \$8,924,591.71 |
| Gas Lost Revenue | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$8,781,227.04 | \$8,597,346.99 | \$8,781,227.04 | \$8,781,227.04 | \$8,781,227.04 | \$8,924,591.71 |
| Electric Lost Revenue (Net Fuel) | \$8,781,227.04 | \$8,597,346.99 | \$8,781,227.04 | \$8,781,227.04 | \$8,781,227.04 | \$8,924,591.71 |
| Gas Lost Revenue (Net Fuel) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$8,781,227.04 | \$8,597,346.99 | \$8,781,227.04 | \$8,781,227.04 | \$8,781,227.04 | \$8,924,591.71 |
| Societal Test Test Results | 0.68 | 0.47 | 0.73 | 0.77 | 0.71 | 1.84 |
|  | 0.68 | 0.47 | 0.73 | 0.77 | 0.71 | 1.84 |
| Avoided Electric Production Adders | \$6,084,094.62 | \$5,460,042.64 | \$8,886,850.90 | \$9,389,789.53 | \$8,559,809.20 | \$23,458,009.31 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric Capacity | \$2,062,495.53 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Electric T\&D | \$473,753.83 | \$473,753.83 | \$473,753.83 | \$473,753.83 | \$473,753.83 | \$473,753.83 |
| Avoided Electric Ancillary | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Avoided Gas Capacity | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$8,620,343.98 | \$5,933,796.47 | \$9,360,604.73 | \$9,863,543.36 | \$9,033,563.03 | \$23,931,763.14 |
| Administration Costs <br> Implementation Participation Costs | \$92,240.56 | \$92,240.56 | \$92,240.56 | \$92,240.56 | \$92,240.56 | \$92,240.56 |
|  | \$84,800.48 | \$84,800.48 | \$84,800.48 | \$84,800.48 | \$84,800.48 | \$84,800.48 |
| Other / Miscellaneous Costs | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$177,041.04 | \$177,041.04 | \$177,041.04 | \$177,041.04 | \$177,041.04 | \$177,041.04 |
| Reduced Arears | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Participant or Unit Costs (Net) | \$2,369,328.87 | \$2,369,328.87 | \$2,369,328.87 | \$2,369,328.87 | \$2,369,328.87 | \$2,369,328.87 |
| Environmental Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Other Benefits | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Test Results | 3.39 | 2.33 | 3.68 | 3.87 | 3.55 | 9.40 |
| Participant Test |  |  |  |  |  |  |
| Incentives | \$749,963.65 | \$749,963.65 | \$749,963.65 | \$749,963.65 | \$749,963.65 | \$749,963.65 |
| Participant or Unit Costs (Gross) | \$2,369,328.87 | \$2,369,328.87 | \$2,369,328.87 | \$2,369,328.87 | \$2,369,328.87 | \$2,369,328.87 |
| Participant or Unit Tax Credits (Gross) | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Electric Bill Savings (Gross)Gas Bill Savings (Gross) | \$9,359,559.83 | \$9,159,260.11 | \$9,359,559.83 | \$9,359,559.83 | \$9,359,559.83 | \$9,513,162.49 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total | \$9,359,559.83 | \$9,159,260.11 | \$9,359,559.83 | \$9,359,559.83 | \$9,359,559.83 | \$9,513,162.49 |
| Test Results | 4.27 | 4.18 | 4.27 | 4.27 | 4.27 | 4.33 |


| Present Values (PVs) of Impacts |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cost | Market-Based |  |  |  |  |
|  | Based | Minimum | Today | Alternate | Option | Maximum |
| kW (Discounted) | 51647.4683 | 51647.47 | 51647.47 | 51647.47 | 51647.47 | 51647.47 |
| kWh (Discounted) | 179648166.8665 | 174833130.09 | 179648166.87 | 179648166.87 | 179648166.87 | 183517862.62 |
| CCF (Discounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| kW (Undiscounted) | 51647.4683 | 51647.47 | 51647.47 | 51647.47 | 51647.47 | 51647.47 |
| kWh (Undiscounted) | 179648166.8665 | 174833130.09 | 179648166.87 | 179648166.87 | 179648166.87 | 183517862.62 |
| CCF (Undiscounted) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |


| NET BENEFITS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Total | Total | Net | Benfit/ |  |
| Benefits | Costs | Benefits | Cost Ratio |  |
| \$6,601,188.35 | \$927,004.69 | \$5,674,183.66 | 7.12 | Utility (PAC) Test |
| \$6,601,188.35 | \$2,546,369.91 | \$4,054,818.44 | 2.59 | TRC Test |
| \$6,601,188.35 | \$9,708,231.73 | (\$3,107,043.38) | 0.68 | RIM Test |
| \$6,601,188.35 | \$9,708,231.73 | (\$3,107,043.38) | 0.68 | RIM (Net Fuel) Test |
| \$8,620,343.98 | \$2,546,369.91 | \$6,073,974.07 | 3.39 | Sociealal Test |
| \$10,109,523.48 | \$2,369,328.87 | \$7,740,194.61 | 4.27 | Participant Test |
| Participants | kWh | Summer kW | Winter kW |  |
| 9794 | 11,869,228.66 | 1,910.261 | 1,675.671 | tor |
|  | 10,793,402 | 1,737.115 | 1,523.788 | ter |
| Check: | 10,882,232 | Loss Factor: | 9.06\% |  |
|  | Implementation |  |  |  |
| Administration Costs | Costs | Other/Misc. Costs | Incentives | Total Costs |
| \$92,240.56 | \$84,800.48 | \$0.00 | \$749,963.65 | \$927,004.69 |


| Year | Participation |  |  |  |  |  | Total Participant CostsGross |  |  | Total Participant Costs Net Free Riders / Drop-Out |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { New } \\ \text { Participants } \end{gathered}$ | $\begin{gathered} \text { Few } \\ \text { Free Riders } \end{gathered}$ | Cumulative Participants | Cumulative Free Riders | $\begin{aligned} & \text { Cumulative } \\ & \text { Participants } \end{aligned}$(net free riders) |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | One-Time |  | Total | One-Time | Annual | Total |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 9794 | 0 | 9794 | 0 | 9794 | 9794 | \$2,369,328.87 | \$0.00 | \$2,369,328.87 | \$2,369,328.87 | \$0.00 | \$2,369,328.87 |
| 2 | 0 | 0 | 8901 | 0 | 8901 | 8901 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | 0 | 0 | 8901 | 0 | 8901 | 8901 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | 0 | 0 | 8554 | 0 | 8554 | 8554 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | 0 | 0 | 8554 | 0 | 8554 | 8554 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | 0 | 0 | 8549 | 0 | 8549 | 8549 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | 0 | 0 | 8549 | 0 | 8549 | 8549 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | 0 | 0 | 8549 | 0 | 8549 | 8549 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | 0 | 0 | 8540 | 0 | 8540 | 8540 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | 0 | 0 | 8540 | 0 | 8540 | 8540 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | 0 | 0 | 8523 | 0 | 8523 | 8523 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | 0 | 0 | 8498 | 0 | 8498 | 8498 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | 0 | 0 | 8466 | 0 | 8466 | 8466 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | 0 | 0 | 8444 | 0 | 8444 | 8444 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | 0 | 0 | 8425 | 0 | 8425 | 8425 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | 0 | 0 | 576 | 0 | 576 | 576 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | 0 | 0 | 571 | 0 | 571 | 571 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | 0 | 0 | 571 | 0 | 571 | 571 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | 0 | 0 | 505 | 0 | 505 | 505 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | 0 | 0 | 505 | 0 | 505 | 505 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | 0 | 0 | 0 | 0 | 0 |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| ${ }^{23}$ | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Toals | 9,794 | 0 | 132,515 | 0 | 132,515 | 132,515 | \$2,369,329 | \$0 | \$2,369,329 | \$2,369,329 | \$0 | \$2,369,329 |

Impacts and Savings (Losses Included)

| Year | Per Participant |  |  |  |  |  |  |  | Electric Impacts/Savings ${ }_{\text {cumulative }}$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | kN | kW (net) | Summer Coin KW | Summer Coin (net) | Winter Coin KW | Winter Coin (nel) | kWh | kWV (net) | ${ }^{\mathrm{k} W}$ | ${ }^{\mathrm{k} W \text { ( } \text { (el) }}$ | Summer Coin kw | Summer Coin (net) | Winter CoinkW | Winter Coin (net) | kWh | ${ }^{\mathrm{k} W \mathrm{~W} \text { (nel) }}$ |
| 1 | 0.275 | 0.275 | 0.195 | 0.195 | 0.171 | 0.171 | 1,211.89 | 1,211.89 | 2,694 | 2,694 | 1,910 | 1,910 | 1,676 | 1,676 | 11,869,229 | 11,869,229 |
| 2 | 0.288 | 0.288 | 0.200 | 0.200 | 0.188 | 0.188 | 1,332.59 | 1,332.59 | 2,564 | 2,564 | 1,780 | 1,780 | 1,676 | 1,676 | 11,861,427 | 11,861,427 |
| 3 | 0.288 | 0.288 | 0.200 | 0.200 | 0.188 | 0.188 | 1,332.59 | 1,332.59 | 2,564 | 2,564 | 1,780 | 1,780 | 1,676 | 1,676 | 11,861,427 | 11,861,427 |
| 4 | 0.296 | 0.296 | 0.205 | 0.205 | 0.193 | 0.193 | 1,369.76 | 1,369.76 | 2,530 | 2,530 | 1,756 | 1,756 | 1,652 | 1,652 | 11,716,917 | 11,716,917 |
| 5 | 0.296 | 0.296 | 0.205 | 0.205 | 0.193 | 0.193 | 1,369.76 | 1,369.76 | 2,530 | 2,530 | 1,756 | 1,756 | 1,652 | 1,652 | 11,716,917 | 11,716,917 |
| 6 | 0.296 | 0.296 | 0.205 | 0.205 | 0.193 | 0.193 | 1,369.62 | 1,369.62 | 2,529 | 2,529 | 1,756 | 1,756 | 1,651 | 1,651 | 11,708,924 | 11,708,924 |
| 7 | 0.296 | 0.296 | 0.205 | 0.205 | 0.193 | 0.193 | 1,369.62 | 1,369.62 | 2,529 | 2,529 | 1,756 | 1,756 | 1,651 | 1,651 | 11,708,924 | 11,708,924 |
| 8 | 0.296 | 0.296 | 0.205 | 0.205 | 0.193 | 0.193 | 1,369.62 | 1,369.62 | 2,529 | 2,529 | 1,756 | 1,756 | 1,651 | 1,651 | 11,708,924 | 11,708,924 |
| 9 | 0.296 | 0.296 | 0.205 | 0.205 | 0.193 | 0.193 | 1,369.55 | 1,369.55 | 2,527 | 2,527 | 1,755 | 1,755 | 1,650 | 1,650 | 11,695,960 | 11,695,960 |
| 10 | 0.296 | 0.296 | 0.205 | 0.205 | 0.193 | 0.193 | 1,369.55 | 1,369.55 | 2,527 | 2,527 | 1,755 | 1,755 | 1,650 | 1,650 | 11,695,960 | 11,695,960 |
| 11 | 0.296 | 0.296 | 0.206 | 0.206 | 0.193 | 0.193 | 1,370.05 | 1,370.05 | 2,526 | 2,526 | 1,754 | 1,754 | 1,649 | 1,649 | 11,676,915 | 11,676,915 |
| 12 | 0.297 | 0.297 | 0.205 | 0.205 | 0.193 | 0.193 | 1,363.18 | 1,363.18 | 2,526 | 2,526 | 1,740 | 1,740 | 1,638 | 1,638 | 11,584,283 | 11,584,283 |
| 13 | 0.298 | 0.298 | 0.205 | 0.205 | 0.193 | 0.193 | 1,367.73 | 1,367.73 | 2,525 | 2,525 | 1,740 | 1,740 | 1,637 | 1,637 | 11,579,187 | 11,579,187 |
| 14 | 0.299 | 0.299 | 0.206 | 0.206 | 0.194 | 0.194 | 1,371.15 | 1,371.15 | 2,525 | 2,525 | 1,740 | 1,740 | 1,637 | 1,637 | 11,577,983 | 11,577,983 |
| 15 | 0.297 | 0.297 | 0.206 | 0.206 | 0.194 | 0.194 | 1,360.87 | 1,360.87 | 2,502 | 2,502 | 1,740 | 1,740 | 1,631 | 1,631 | 11,465,337 | 11,465,337 |
| 16 | 0.171 | 0.171 | 0.127 | 0.127 | 0.054 | 0.054 | 2,235.18 | 2,235.18 | 99 | 99 | 73 | 73 | 31 | 31 | 1,287,465 | 1,287,465 |
| 17 | 0.172 | 0.172 | 0.128 | 0.128 | 0.055 | 0.055 | 2,252.91 | 2,252.91 | 98 | 98 | 73 | 73 | 31 | 31 | 1,286,413 | 1,286,413 |
| 18 | 0.172 | 0.172 | 0.128 | 0.128 | 0.055 | 0.055 | 2,252.91 | 2,252.91 | 98 | 98 | 73 | 73 | 31 | 31 | 1,286,413 | 1,286,413 |
| 19 | 0.058 | 0.058 | 0.022 | 0.022 | 0.062 | 0.062 | 356.01 | 356.01 | 29 | 29 | 11 | 11 | 31 | 31 | 179,783 | 179,783 |
| 20 | 0.058 | 0.058 | 0.022 | 0.022 | 0.062 | 0.062 | 356.01 | 356.01 | 29 | 29 | 11 | 11 | 31 | 31 | 179,783 | 179,783 |
| 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 |  |  | 0 | 0 |
| 22 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | O | 0 |
| ${ }^{23}$ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  |  |  |  |  |  | 27,751 | 27,751 |  |  |  |  |  |  | 179,648,167 | 179,648,167 |



| Utility Program Costs |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Overall Costs |  |  |  |  | Total Costs per kW, kWh, and CCF Saved (Losses Included) |  |  |  |  |  |
| Year | Administration | Implementaion |  | Other | Total | \$ kN |  |  |  | s/CCF | SCCF ( neti) |
| 1 | \$92,240.56 | \$84,800.48 | \$749,963.65 | \$0.00 | \$927,004.69 | \$258.51 | \$258.51 | \$0.08 | \$0.08 | \$0.00 | \$0.00 |
| 2 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |



Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)

| Year | Cumulative Electric |  |  |  |  | Cumulative Gas |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capactiy | T80 | Ancillay | Total | Production | Capacily | Tota |
| 1 | \$318,592.74 | \$180,175.77 | \$33,776.60 | \$0.00 | \$532,545.11 | \$0.00 | \$0.00 | \$0.00 |
| 2 | ${ }^{\$ 368,931.05}$ | \$167,901.42 | \$32,453.41 | \$0.00 | \$569,285.89 | \$0.00 | \$0.00 | \$0.00 |
| 3 | \$397,360.76 | \$167,901.42 | \$33,427.01 | \$0.00 | \$598,689.19 | \$0.00 | \$0.00 | \$0.00 |
| 4 | \$405,802.16 | \$165,646.22 | \$33,974.39 | \$0.00 | \$605,422.77 | \$0.00 | \$0.00 | \$0.00 |
| 5 | \$435,425.59 | \$165,646.22 | \$34,993.62 | \$0.00 | \$636,065.43 | \$0.00 | \$0.00 | \$0.00 |
| 6 | \$443,899.43 | \$165,615.38 | \$36,036.83 | \$0.00 | \$645,551.64 | \$0.00 | \$0.00 | \$0.00 |
| 7 | \$453,594.38 | \$165,615.38 | \$37,117.93 | \$0.00 | \$656,327.69 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$475,957.40 | \$165,615.38 | \$38,231.47 | \$0.00 | \$679,804.25 | \$0.00 | \$0.00 | \$0.00 |
| 9 | \$504,206.06 | \$165,516.35 | \$39,338.16 | \$0.00 | \$709,060.57 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$539,455.29 | \$165,516.35 | \$40,518.31 | \$0.00 | \$745,489.94 | \$0.00 | \$0.00 | \$0.00 |
| 11 | \$570,613.70 | \$165,482.07 | \$41,722.59 | \$0.00 | \$777,818.36 | \$0.00 | \$0.00 | \$0.00 |
| 12 | \$600,158.12 | \$164,145.48 | \$42,632.34 | \$0.00 | \$806,935.94 | \$0.00 | \$0.00 | \$0.00 |
| 13 | \$617,873.36 | \$164,089.52 | \$43,896.57 | \$0.00 | \$825,859.44 | \$0.00 | \$0.00 | \$0.00 |
| 14 | \$636,339.07 | \$164,075.94 | \$45,209.78 | \$0.00 | \$845,624.78 | \$0.00 | \$0.00 | \$0.00 |
| 15 | \$649,137.84 | \$164,075.94 | \$46,397.52 | \$0.00 | \$859,611.30 | \$0.00 | \$0.00 | \$0.00 |
| 16 | \$79,980.73 | \$6,914.45 | \$2,538.13 | \$0.00 | \$89,433.31 | \$0.00 | \$0.00 | \$0.00 |
| 17 | \$82,312.85 | \$6,903.26 | \$2,610.95 | \$0.00 | \$91,827.06 | \$0.00 | \$0.00 | \$0.00 |
| 18 | \$84,782.24 | \$6,903.26 | \$2,689.28 | \$0.00 | \$94,374.78 | \$0.00 | \$0.00 | \$0.00 |
| 19 | \$12,176.01 | \$1,040.17 | \$925.27 | \$0.00 | \$14,141.45 | \$0.00 | \$0.00 | \$0.00 |
| 20 | \$12,541.29 | \$1,040.17 | \$953.03 | \$0.00 | \$14,534.49 | \$0.00 | \$0.00 | \$0.00 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Totals | \$7,689,140.06 | \$2,519,820.15 | \$589,443.20 | \$0.00 | \$10,798,403.41 | \$0.00 | \$0.00 | \$0.00 |


| Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value |  |
| :--- | :--- | :--- |
| Cumulative Electric |  |



| Discount: 7.09\% |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Energy | Capacity | T\&D | Ancillary | Total |
| 1 | \$318,592.74 | \$180,175.77 | \$33,776.60 | \$0.00 | \$532,545.11 |
| 2 | \$344,505.61 | \$156,785.34 | \$30,304.80 | \$0.00 | \$531,595.75 |
| 3 | \$346,487.15 | \$146,405.21 | \$29,147.40 | \$0.00 | \$522,039.76 |
| 4 | \$330,420.97 | \$134,876.03 | \$27,663.36 | \$0.00 | \$492,960.36 |
| 5 | \$331,068.81 | \$125,946.43 | \$26,606.84 | \$0.00 | \$483,622.08 |
| 6 | \$315,166.46 | \$17,586.12 | \$25,585.97 | \$0.00 | \$458,338.56 |
| 7 | \$300,728.20 | \$109,801.22 | \$24,608.79 | \$0.00 | \$435,138.21 |
| 8 | \$294,663.03 | \$102,531.72 | \$23,668.93 | \$0.00 | \$420,863.68 |
| 9 | \$291,485.33 | \$95,686.25 | \$22,741.69 | \$0.00 | \$409,913.28 |
| 10 | \$291,215.97 | \$89,351.25 | \$21,873.14 | \$0.00 | \$402,440.35 |
| 11 | \$287,642.47 | \$83,418.38 | \$21,032.07 | \$0.00 | \$392,092.93 |
| 12 | \$282,505.94 | \$77,266.42 | \$20,067.86 | \$0.00 | \$379,840.22 |
| 13 | \$271,589.17 | \$72,126.33 | \$19,294.94 | \$0.00 | \$363,010.44 |
| 14 | \$261,187.65 | \$67,345.56 | \$18,556.52 | \$0.00 | \$347,089.73 |
| 15 | \$248,800.97 | \$62,886.88 | \$17,783.20 | \$0.00 | \$329,471.05 |
| 16 | \$28,625.40 | \$2,474.71 | \$908.41 | \$0.00 | \$32,008.52 |
| 17 | \$27,509.64 | \$2,307.13 | \$872.60 | \$0.00 | \$30,689.37 |
| 18 | \$26,458.99 | \$2,154.38 | \$839.28 | \$0.00 | \$29,452.65 |
| 19 | \$3,548.33 | \$303.13 | \$269.64 | \$0.00 | \$4,121.10 |
| 20 | \$3,412.82 | \$283.06 | \$259.34 | \$0.00 | \$3,955.22 |
| 21 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 22 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 25 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
|  | \$4,605,615.66 | \$1,629,711.32 | \$365,861.37 | \$0.00 | \$6,601, 188.35 |
|  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |


[^0]:    Present Values (PVs) of Impacts

    | Present Values (PVs) of Impacts |  |  |  |  |  |  |  |  |
    | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
    |  | Cost |  |  |  |  |  |  |  |
    |  | Based | Minimum |  | Today | Market-Based | Alterate | Option |  |

