

**LIGHTING EFFICIENCY**

**2022 Net Present Cost Benefit Summary Analysis For All Participants**

|                                     | Participant Test (\$Total) | Utility Test (\$Total) | Rate Impact Test (\$Total) | Modified Total Resource Test (\$Total) |
|-------------------------------------|----------------------------|------------------------|----------------------------|--|
| <b>Benefits</b>                     |                            |                        |                            |  |
| <b>Avoided Revenue Requirements</b> |                            |                        |                            |  |
| Generation Capacity                 | N/A                        | \$15,675,949           | \$15,675,949               | \$15,675,949                           |
| Trans. & Dist. Capacity             | N/A                        | \$1,963,214            | \$1,963,214                | \$1,963,214                            |
| Marginal Energy                     | N/A                        | \$21,735,321           | \$21,735,321               | \$21,735,321                           |
| Avoided Emissions (CO2)             | N/A                        | N/A                    | N/A                        | \$16,272,452                           |
| Subtotal                            |                            |                        |                            | \$55,646,936                           |
| Non-Energy Benefits Adder (20.0%)   |                            |                        |                            | \$7,874,897                            |
| Subtotal                            | N/A                        | \$39,374,484           | \$39,374,484               | \$63,521,833                           |
| <b>Participant Benefits</b>         |                            |                        |                            |  |
| Bill Reduction - Electric           | \$84,899,130               | N/A                    | N/A                        | N/A                                    |
| Participant Rebates and Incentives  | \$8,931,996                | N/A                    | N/A                        | \$8,931,996                            |
| Incremental Capital Savings         | \$0                        | N/A                    | N/A                        | \$0                                    |
| Incremental O&M Savings             | \$0                        | N/A                    | N/A                        | \$0                                    |
| Subtotal                            | \$93,831,126               | N/A                    | N/A                        | \$8,931,996                            |
| <b>Total Benefits</b>               | <b>\$93,831,126</b>        | <b>\$39,374,484</b>    | <b>\$39,374,484</b>        | <b>\$72,453,829</b>                    |
| <b>Costs</b>                        |                            |                        |                            |  |
| <b>Utility Project Costs</b>        |                            |                        |                            |  |
| Program Planning & Design           | N/A                        | \$0                    | \$0                        | \$0                                    |
| Administration & Program Delivery   | N/A                        | \$2,685,624            | \$2,685,624                | \$2,685,624                            |
| Advertising/Promotion/Customer Ed   | N/A                        | \$1,200,000            | \$1,200,000                | \$1,200,000                            |
| Participant Rebates and Incentives  | N/A                        | \$8,931,996            | \$8,931,996                | \$8,931,996                            |
| Equipment & Installation            | N/A                        | \$0                    | \$0                        | \$0                                    |
| Measurement and Verification        | N/A                        | \$55,000               | \$55,000                   | \$55,000                               |
| Subtotal                            | N/A                        | \$12,872,620           | \$12,872,620               | \$12,872,620                           |
| <b>Utility Revenue Reduction</b>    |                            |                        |                            |  |
| Revenue Reduction - Electric        | N/A                        | N/A                    | \$84,899,130               | N/A                                    |
| Subtotal                            | N/A                        | N/A                    | \$84,899,130               | N/A                                    |
| <b>Participant Costs</b>            |                            |                        |                            |  |
| Incremental Capital Costs           | \$35,722,222               | N/A                    | N/A                        | \$26,848,683                           |
| Incremental O&M Costs               | \$362,975                  | N/A                    | N/A                        | \$273,713                              |
| Subtotal                            | \$36,085,197               | N/A                    | N/A                        | \$27,122,396                           |
| <b>Total Costs</b>                  | <b>\$36,085,197</b>        | <b>\$12,872,620</b>    | <b>\$97,771,750</b>        | <b>\$39,995,016</b>                    |
| <b>Net Benefit (Cost)</b>           | <b>\$57,745,929</b>        | <b>\$26,501,864</b>    | <b>(\$58,397,266)</b>      | <b>\$32,458,813</b>                    |
| <b>Benefit/Cost Ratio</b>           | <b>2.60</b>                | <b>3.06</b>            | <b>0.40</b>                | <b>1.81</b>                            |

Note: Dollar values represent present value of impacts accumulated over the lifetime of the measures.

**2022**

**ELECTRIC**

**GOAL**

**Input Summary and Totals**

| <b>Program "Inputs" per Customer kW and per Participant</b>     |           |                        |
|---|-----------|------------------------|
| Lifetime (Weighted on Generator kWh)                            | A         | 14.5 years             |
| T & D Loss Factor (Energy)                                      | B         | 5.33%                  |
| T & D Loss Factor (Demand)                                      | C         | 7.71%                  |
| Net-to-Gross (Energy)   | D         | 75.98%                 |
| Net-to-Gross (Demand)   | E         | 76.58%                 |
| <b>Installation Rate (Energy)</b>                               | <b>F</b>  | <b>99.64%</b>          |
| <b>Installation Rate (Demand)</b>                               | <b>G</b>  | <b>99.58%</b>          |
| Net coincident kW Saved at Generator                            | H         | 0.03 kW                |
| Gross Annual kWh Saved at Customer                              | I         | 259.35 kWh             |
| Net Annual kWh Saved at Generator                               | J         | 207.40 kWh             |
| <b>Program Summary All Participants</b>                         |           |                        |
| <b>Total Budget</b>   | K         | <b>\$12,872,620</b>    |
| <b>Net coincident kW Saved at Generator</b>                     | L         | <b>16,350 kW</b>       |
| Gross Annual kWh Saved at Customer                              | M         | 127,927,611 kWh        |
| <b>Net Annual kWh Saved at Generator</b>                        | <b>N</b>  | <b>102,299,183 kWh</b> |
| <b>Total MTRC Net Benefits with Adder</b>                       | <b>O</b>  | <b>\$32,458,813</b>    |
| <b>Total MTRC Net Benefits without Adder</b>                    | <b>P</b>  | <b>\$24,583,916</b>    |
| <b>Utility Program Cost per kWh Lifetime</b>                    | K/(A x N) | <b>\$0.0087</b>        |
| <b>Utility Program Cost per kW at Gen</b>                       | K/ L      | <b>\$787</b>           |
| <b>Avoided Lifetime CO2 Emissions, Total Program (tons CO2)</b> |           | <b>398,523</b>         |