2019 Net Present Cost Benefit Summary Analysis For All Participants

### Programs Inputs per Customer kW

<table>
<thead>
<tr>
<th>Participant</th>
<th>Utility</th>
<th>Rate</th>
<th>Modified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test</td>
<td>Test</td>
<td>Test</td>
<td>Test</td>
</tr>
<tr>
<td>(Total)</td>
<td>(Total)</td>
<td>(Total)</td>
<td>(Total)</td>
</tr>
</tbody>
</table>

### Benefits

**Avoided Revenue Requirements**

<table>
<thead>
<tr>
<th>Generation Capacity</th>
<th>N/A</th>
<th>$4,624,806</th>
<th>$4,624,806</th>
<th>$4,624,806</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trans. &amp; Dist. Capacity</td>
<td>N/A</td>
<td>$759,172</td>
<td>$759,172</td>
<td>$759,172</td>
</tr>
<tr>
<td>Marginal Energy</td>
<td>N/A</td>
<td>$8,708,738</td>
<td>$8,708,738</td>
<td>$8,708,738</td>
</tr>
<tr>
<td>Avoided Emissions (CO2)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>$0</td>
</tr>
</tbody>
</table>

**Subtotal**

N/A $13,912,716 $13,912,716 $16,699,259

**Non-Energy Benefit Adder (20%)**

N/A $2,782,543

**Subtotal**

N/A $13,912,716 $13,912,716 $16,699,259

### Other Benefits

<table>
<thead>
<tr>
<th>Bill Reduction - Electric</th>
<th>$28,222,611</th>
<th>N/A</th>
<th>N/A</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participant Rebates and Incentives</td>
<td>$3,463,184</td>
<td>N/A</td>
<td>N/A</td>
<td>$3,463,184</td>
</tr>
<tr>
<td>Incremental Capital Savings</td>
<td>$0</td>
<td>N/A</td>
<td>N/A</td>
<td>$0</td>
</tr>
<tr>
<td>Incremental O&amp;M Savings</td>
<td>$0</td>
<td>N/A</td>
<td>N/A</td>
<td>$0</td>
</tr>
</tbody>
</table>

**Subtotal**

$31,685,796 N/A N/A $3,463,184

### Total Benefits

$31,685,796 $13,912,716 $13,912,716 $20,158,443

### Utility Project Costs

<table>
<thead>
<tr>
<th>Program Planning &amp; Design</th>
<th>N/A</th>
<th>$0</th>
<th>$0</th>
<th>$0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration &amp; Program Delivery</td>
<td>N/A</td>
<td>$2,939,833</td>
<td>$2,939,833</td>
<td>$2,939,833</td>
</tr>
<tr>
<td>Advertising/Promotion/Customer Ed</td>
<td>N/A</td>
<td>$68,545</td>
<td>$68,545</td>
<td>$68,545</td>
</tr>
<tr>
<td>Participant Rebates and Incentives</td>
<td>N/A</td>
<td>$3,463,184</td>
<td>$3,463,184</td>
<td>$3,463,184</td>
</tr>
<tr>
<td>Equipment &amp; Installation</td>
<td>N/A</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Measurement and Verification</td>
<td>N/A</td>
<td>$27,500</td>
<td>$27,500</td>
<td>$27,500</td>
</tr>
</tbody>
</table>

**Subtotal**

N/A $6,499,062 $6,499,062 $6,499,062

### Utility Revenue Reduction

<table>
<thead>
<tr>
<th>Revenue Reduction - Electric</th>
<th>N/A</th>
<th>N/A</th>
<th>$25,341,964</th>
<th>N/A</th>
</tr>
</thead>
</table>

**Subtotal**

N/A N/A $25,341,964 N/A

### Participant Costs

<table>
<thead>
<tr>
<th>Incremental Capital Costs</th>
<th>$11,267,903</th>
<th>N/A</th>
<th>N/A</th>
<th>$10,125,218</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incremental O&amp;M Costs</td>
<td>$3,137,662</td>
<td>N/A</td>
<td>N/A</td>
<td>$2,939,833</td>
</tr>
</tbody>
</table>

**Subtotal**

$12,079,960 N/A N/A $13,065,051

### Total Costs

$12,079,960 $6,499,062 $31,841,026 $17,353,280

### Net Benefit (Cost)

$19,606,735 $7,413,653 ($17,928,311) $2,805,163

### Benefit/Cost Ratio

2.62 2.14 0.44 1.16

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

---

**Program Summary All Participants**

<table>
<thead>
<tr>
<th>Total Budget</th>
<th>N/A</th>
<th>$6,499,062</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Net coincident kW Saved at Generator</th>
<th>(G x O x K) x (1 - I)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Annual kWh Saved at Customer</td>
<td>(F x (B x E x C x J) )</td>
</tr>
<tr>
<td>Net Annual kWh Saved at Generator</td>
<td>(F x (B x E x C x J) ) / (1 - H )</td>
</tr>
</tbody>
</table>

**TRC Net Benefits with Adder**

O x L $2,805,163

**TRC Net Benefits without Adder**

O x (L - M) $22,620

**Total Costs**

$12,079,960 $6,499,062 $31,841,026 $17,353,280

**Net Benefit (Cost)**

$19,606,735 $7,413,653 ($17,928,311) $2,805,163

**Benefit/Cost Ratio**

2.62 2.14 0.44 1.16

Note: Dollar values represent present value of impacts accumulated over the lifetime of the measures.
2020 Net Present Cost Benefit Summary Analysis For All Participants

<table>
<thead>
<tr>
<th>Participant</th>
<th>Utility</th>
<th>Rate</th>
<th>Modified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test</td>
<td>Test</td>
<td>Test</td>
<td>Test</td>
</tr>
<tr>
<td>(Total)</td>
<td>(Total)</td>
<td>(Total)</td>
<td>(Total)</td>
</tr>
</tbody>
</table>

**Benefits**

Avoided Revenue Requirements

- Generation Capacity: N/A $4,604,173 $4,604,173 $4,604,173
- Trans. & Dist. Capacity: N/A $582,444 $582,444 $582,444
- Marginal Energy: N/A $8,665,699 $8,665,699 $8,665,699
- Avoided Emissions (CO2): N/A N/A N/A $0

Subtotal: $13,852,315

Non-Energy Benefit Adder (20%): $2,770,463

**Other Benefits**

- Bill Reduction - Electric: $27,224,343
- Participant Rebates and Incentives: $3,324,720
- Incremental Capital Savings: $0
- Incremental O&M Savings: $0

Subtotal: $30,549,263

Total Benefits: $30,549,263 $13,852,315 $13,852,315 $19,947,499

**Utility Project Costs**

- Program Planning & Design: N/A $0 $0 $0
- Administration & Program Delivery: N/A $2,774,253 $2,774,253 $2,774,253
- Advertising/Promotion/Customer Ed: N/A $119,105 $119,105 $119,105
- Participant Rebates and Incentives: $3,324,720 $3,324,720 $3,324,720
- Equipment & Installation: N/A $0 $0 $0
- Measurement and Verification: N/A $27,500 $27,500 $27,500

Subtotal: $30,549,263 $6,245,579 $6,245,579 $6,245,579

**Utility Revenue Reduction**

- Revenue Reduction - Electric: N/A N/A $24,471,006 N/A

Subtotal: N/A

**Participant Costs**

- Incremental Capital Costs: $10,280,107
- Incremental O&M Costs: $800,624

Subtotal: $11,080,730 N/A N/A $9,259,117

Total Costs: $11,080,730 $6,245,579 $30,716,584 $16,224,853

Net Benefit (Cost): $19,468,533 $7,066,736 ($16,864,269) $3,722,646

Benefit/Cost Ratio: 2.76 2.22 0.45 1.23

**Net coincident kW Saved at Generator**

- (G x O x K) x D / (1 - I) = 6,397 kW
- (F x (B x E x C x J)) / (1 - H) = 4,931 kW
- (F x (B x E x C x J)) / (1 - H) = 4,258 kW

**Total Budget**

- Net coincident kW Saved at Generator: $37,093,689 kWh
- Net Annual kWh Saved at Customer: $37,093,689 kWh
- TCR Net Benefits with Adder: $37,722,646
- TCR Net Benefits without Adder: $37,222,646

**Utility Program Cost per kWh Lifetime**

- $0.0135

**Utility Program Cost per kWh at Gen**

- $0.013