## COMMERCIAL REFRIGERATION EFFICIENCY

**2020 GAS GOAL**

### Program Assumptions:
- **Lifetime** (Weighted on Dth): A 18.91 years
- **Net-to-Gross** (Weighted on Dth): B 100.00%
- **Install Rate** (Weighted on Dth): C 100.0%

### Program Totals:
- **Total Dth/Yr Saved**: D 5,830
- **Utility Costs per Net Dth/Yr**: E $6.03
- **Net Benefit (Cost) per Gross Dth/Yr**: F $33.66
- **Non-Energy Benefits Adder per Gross Dth/Yr**: G $9.08
- **Annual Dth/$M**: ($1M / E) 165,712
- **Total Utility Budget**: (E x D) $35,180
- **Total MTRC Net Benefits with Adder**: (D x F) $196,214
- **Total MTRC Net Benefits without Adder**: (F - G) x D $143,309
- **Utility Program Cost per Net Dth Lifetime**: (E / A) $0.32

### Benefits

#### Avoided Revenue Requirements

<table>
<thead>
<tr>
<th>Commodity Cost Reduction</th>
<th>$239,786</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable O&amp;M Savings</td>
<td>$3,091</td>
</tr>
<tr>
<td>Demand Savings</td>
<td>$21,649</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>$264,526</td>
</tr>
</tbody>
</table>

#### Other Benefits

- **Bill Reduction - Gas**: $418,921
- **Participant Rebates and Incentives**: $22,580
- **Incremental Capital Savings**: $0
- **Incremental O&M Savings**: $22,162

| **Subtotal** | $463,663 |

### Total Benefits

| **Total Benefits** | $463,663 |

### Utility Project Costs

- **Program Planning & Design**: N/A
- **Administration & Program Delivery**: $12,600
- **Advertising/Promotion/Customer Ed**: N/A
- **Participant Rebates and Incentives**: $22,580
- **Equipment & Installation**: N/A
- **Measurement and Verification**: N/A

| **Subtotal** | N/A $35,180 |

### Utility Revenue Reduction

- **Revenue Reduction - Gas**: $418,921

| **Subtotal** | N/A $418,921 |

### Participant Costs

- **Incremental Capital Costs**: $130,778
- **Incremental O&M Costs**: $0

| **Subtotal** | $130,778 |

### Total Costs

| **Total Costs** | $165,958 |

### Net Benefit (Cost)

| **Net Benefit (Cost)** | $196,214 |

### Benefit/Cost Ratio

| Benefit/Cost Ratio | 2.18 |

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