## Benefits

### Avoided Revenue Requirements

<table>
<thead>
<tr>
<th>Commodity Cost Reduction</th>
<th>N/A</th>
<th>$3,381,094</th>
<th>$3,381,094</th>
<th>$3,381,094</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable O&amp;M Savings</td>
<td>N/A</td>
<td>$45,742</td>
<td>$45,742</td>
<td>$45,742</td>
</tr>
<tr>
<td>Demand Savings</td>
<td>N/A</td>
<td>$320,394</td>
<td>$320,394</td>
<td>$320,394</td>
</tr>
</tbody>
</table>

**Subtotal**: $3,747,230

### Other Benefits

- **Bill Reduction - Gas**: $6,422,085
- **Participant Rebates and Incentives**: $1,184,623
- **Incremental Capital Savings**: N/A
- **Incremental O&M Savings**: $18,163

**Subtotal**: $7,624,871

### Total Benefits

- **Non-Energy Benefits Adder (20%)**: $749,446
- **Annual Dth/SM ($1M / E)**: $43,540
- **Total Utility Budget (E x D)**: $1,929,418
- **Total MTRC Net Benefits with Adder (D x F)**: $140,350
- **Total MTRC Net Benefits without Adder (F - G) x D**: -$609,096
- **Bill Reduction - Gas**: $6,422,085
- **Participant Rebates and Incentives**: $1,184,623
- **Incremental Capital Savings**: $0
- **Incremental O&M Savings**: $18,163

**Subtotal**: $7,624,871

### Utility Project Costs

- **Program Planning & Design**: N/A
- **Administration & Program Delivery**: $435,823
- **Advertising/Promotion/Customer Ed**: $74,432
- **Participant Rebates and Incentives**: $1,184,623
- **Equipment & Installation**: $0
- **Measurement and Verification**: $234,540

**Subtotal**: $1,929,418

### Utility Revenue Reduction

- **Revenue Reduction - Gas**: $5,908,318

**Subtotal**: $5,908,318

### Participant Costs

- **Incremental Capital Costs**: $3,943,740
- **Incremental O&M Costs**: $0

**Subtotal**: $3,943,740

### Total Costs

- **Total Costs**: $7,837,736
- **Net Benefit (Cost)**: $5,557,659

**Net Benefit (Cost)**: $3,681,131

**Benefit/Cost Ratio**: 1.93

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**Note**: Dollar values represent present value of impacts accumulated over the lifetime of the measures.
### ENERGY STAR NEW HOMES

#### Participant Utility Impact TRC Rate Modified Program Assumptions:

<table>
<thead>
<tr>
<th>Participant</th>
<th>Utility</th>
<th>Impact</th>
<th>TRC</th>
<th>($Total)</th>
<th>($Total)</th>
<th>($Total)</th>
<th>($Total)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test</td>
<td>Test</td>
<td>Test</td>
<td>Test</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Benefits**

**Avoided Revenue Requirements**
- Variable O&M Savings: $3,098,667
- Demand Savings: $39,844
- Commodity Cost Reduction: $3,098,667

**Other Benefits**
- Bill Reduction - Gas: $5,884,251
- Incremental Capital Savings: $0
- Incremental O&M Savings: $19,071

**Total Benefits**
- $6,942,878

**Utility Project Costs**
- Program Planning & Design: $0
- Administration & Program Delivery: $435,823
- Participant Rebates and Incentives: $1,039,556
- Equipment & Installation: $267,912

**Utility Revenue Reduction**
- Revenue Reduction - Gas: $5,413,511

**Participant Costs**
- Incremental Capital Costs: $3,614,014
- Incremental O&M Costs: $0

**Total Costs**
- $3,614,014

**Net Benefit (Cost)**
- $3,328,864

**Benefit/Cost Ratio**
- 1.92

### Program Assumptions:

<table>
<thead>
<tr>
<th>Lifetime (Weighted on Dth)</th>
<th>A</th>
<th>19.42 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net-to-Gross (Weighted on Dth)</td>
<td>B</td>
<td>92.00%</td>
</tr>
<tr>
<td>Install Rate (Weighted on Dth)</td>
<td>C</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

### Program Totals:

**Total Dth/Yr Saved**
- D: 73,400

**Utility Costs per Net Dth/Yr**
- E: $24.72

**Net Benefit (Cost) per Gross Dth/Yr**
- F: $0.26

**Non-Energy Benefits Adder per Gross Dth/Yr**
- G: $9.31

**Annual Dth/$M (E) / ($1M / E) = 40,660**

**Total Utility Budget (E x D)**
- $1,814,123

**Total MTRC Net Benefits with Adder (D x F)**
- $19,197

**Total MTRC Net Benefits without Adder (F - G) x D = $664,322**

**Utility Program Cost per Net Dth Lifetime = (E / A) = $1.27**

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