### HOME PERFORMANCE WITH ENERGY STAR

#### Program Assumptions:
- **Lifetime (Weighted on Dth)**: A 15.96 years
- **Net-to-Gross (Weighted on Dth)**: B 115.88%
- **Install Rate (Weighted on Dth)**: C 100.0%

#### Program Totals:
- **Total Dth/Yr Saved**: D 19,263
- **Utility Costs per Net Dth/Yr**: E $18.95
- **Net Benefit (Cost) per Gross Dth/Yr**: F ($12.50)
- **Non-Energy Benefits Adder per Gross Dth/Yr**: G $7.55
- **Annual Dth/$M (E / D)**: $2,770
- **Total Utility Budget (E x D)**: $365,032
- **Total MTRC Net Benefits with Adder (D x F)**: $240,695
- **Other Benefits Total MTRC Net Benefits without Adder (F - G) x D**: $386,203

#### Utility Program Cost per Net Dth Lifetime (E / A): $1.19

### Benefits

#### Avoided Revenue Requirements
- **Commodity Cost Reduction**: N/A $653,555 $653,555 $653,555
- **Demand Savings**: N/A $64,742 $64,742 $64,742
- **Total**: $727,539 $145,508

#### Non-Energy Benefits Adder (20%)
- **Subtotal**: N/A $727,539 $727,539 $873,047

#### Other Benefits
- **Bill Reduction - Gas**: $1,105,770 N/A N/A N/A
- **Participant Rebates and Incentives**: $232,525 N/A N/A $232,525
- **Incremental Capital Savings**: $0 N/A N/A $0
- **Incremental O&M Savings**: $96 N/A N/A $111
- **Total Benefits**: $1,338,391 N/A N/A $232,636

#### Utility Project Costs
- **Program Planning & Design**: N/A $0 $0 $0
- **Administration & Program Delivery**: N/A $102,507 $102,507 $102,507
- **Advertising/Promotion/Customer Ed**: N/A $0 $0 $0
- **Participant Rebates and Incentives**: N/A $232,525 $232,525 $232,525
- **Equipment & Installation**: N/A $0 $0 $0
- **Measurement and Verification**: N/A $30,000 $30,000 $30,000
- **Subtotal**: N/A $365,032 $365,032 $365,032

#### Utility Revenue Reduction
- **Revenue Reduction - Gas**: N/A N/A $1,281,281 N/A
- **Subtotal**: N/A N/A $1,281,281 N/A

#### Participant Costs
- **Incremental Capital Costs**: $846,868 N/A N/A $981,346
- **Incremental O&M Costs**: $0 N/A N/A $0
- **Subtotal**: $846,868 N/A N/A $981,346

#### Total Costs
- **Total Costs**: $846,868 $365,032 $1,646,313 $1,346,378

#### Net Benefit (Cost)
- **Net Benefit (Cost)**: $491,523 $362,508 ($918,774) ($240,695)

#### Benefit/Cost Ratio
- **Benefit/Cost Ratio**: 1.58 1.99 0.44 0.82

*Note: Dollar values represent present value of impacts accumulated over the lifetime of the measures.*
### HOME PERFORMANCE WITH ENERGY STAR Rate Modified Program Assumptions:

<table>
<thead>
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<th>Participant Utility Impact</th>
<th>TRC</th>
<th>($Total)</th>
<th>Test</th>
<th>($Total)</th>
<th>Test</th>
<th>($Total)</th>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Variable O&amp;M Savings</td>
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<td>$9,243</td>
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<tr>
<td>Demand Savings</td>
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<td>N/A</td>
<td>$64,742</td>
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<td>Total</td>
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<td>$152,786</td>
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</tr>
</tbody>
</table>

### Avoided Revenue Requirements

- **Commodity Cost Reduction**: N/A $689,947 $689,947 $689,947
- **Variable O&M Savings**: N/A $9,243 $9,243 $9,243
- **Demand Savings**: N/A $64,742 $64,742 $64,742

### Non-Energy Benefits Adder (20%)

- **Total Benefits**: $1,272,895 $763,931 $763,931 $1,149,354

### 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>
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</thead>
<tbody>
<tr>
<td>Administration &amp; Program Delivery</td>
<td>N/A</td>
<td>$102,327</td>
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<tr>
<td>Advertising/Promotion/ Customer Ed</td>
<td>N/A</td>
<td>$4,800</td>
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<tr>
<td>Participant Rebates and Incentives</td>
<td>N/A</td>
<td>$232,525</td>
<td>$232,525</td>
<td>$232,525</td>
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<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>$30,000</td>
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<td>$30,000</td>
</tr>
</tbody>
</table>

#### Total Costs

| N/A | $369,652 | $369,652 | $369,652 |

### Other Benefits

- **Bill Reduction - Gas**: $1,040,274 N/A N/A N/A
- **Participant Rebates and Incentives**: $232,525 N/A N/A $232,525
- **Incremental Capital Savings**: $0 N/A N/A $0
- **Incremental O&M Savings**: $96 N/A N/A $96

#### Total Benefits

| $1,272,895 | $763,931 | $763,931 | $1,149,354 |

### Utility Revenue Reduction

- **Revenue Reduction - Gas**: N/A N/A $1,205,429 N/A

#### Total Costs

| N/A | N/A | $1,205,429 | N/A |

### Program Assumptions:

- **Lifetime (Weighted on Dth)**: A 15.96 years
- **Net-to-Gross (Weighted on Dth)**: B 115.88%
- **Install Rate (Weighted on Dth)**: C 100.0%

### Program Totals:

- **Total Dth/yr Saved**: D 19,263
- **Utility Costs per Net Dth/yr**: E $19.19
- **Net Benefit (Cost) per Gross Dth/yr**: F ($10.47)
- **Non-Energy Benefits Adder per Gross Dth/yr**: G $7.93

#### Annual Dth/$M

| ($1M / E) | $52,111 |

#### Total Utility Budget

| (E x D) | $369,652 |

#### Total MTRC Net Benefits with Adder

| (D x F) | $201,644 |

#### Total MTRC Net Benefits without Adder

| (F - G) x D | $354,431 |

#### Utility Program Cost per Net Dth Lifetime

| (E / A) | $1.20 |

### Utility Program Costs

<table>
<thead>
<tr>
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<td>$30,000</td>
<td>$30,000</td>
</tr>
</tbody>
</table>

#### Total Costs

| N/A | $369,652 | $369,652 | $369,652 |

### Participant Costs

- **Incremental Capital Costs**: $846,868 N/A N/A $981,346
- **Incremental O&M Costs**: $0 N/A N/A $0

#### Total Costs

| $846,868 | $369,652 | $1,575,081 | $1,350,998 |

#### Net Benefit (Cost)

| $426,027 | $394,280 | ($811,149) | ($201,644) |

#### Benefit/Cost Ratio

| 1.50 | 2.07 | 0.49 | 0.85 |

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