# THERMOSTAT OPTIMIZATION

## 2020 Net Present Cost Benefit Summary Analysis For All Participants

### Input Summary and Totals

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<tr>
<th>Rate Modified</th>
<th>Participant</th>
<th>Utility</th>
<th>Impact</th>
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### Benefits

#### Avoided Revenue Requirements

- **Generation Capacity**
  - N/A $977,565 $977,565 $977,565
- **Trans. & Dist. Capacity**
  - N/A $122,424 $122,424 $122,424

#### Marginal Energy

- N/A $180,229 $180,229 $180,229

#### Avoided Emissions (CO2)

- N/A N/A N/A $0

#### Subtotal

$1,280,218

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

$256,044

### Other Benefits

- **Bill Reduction - Electric**
  - $894,524

- **Participant Rebates and Incentives**
  - $250,503

- **Incremental Capital Savings**
  - $0

- **Incremental O&M Savings**
  - $0

#### Subtotal

$1,145,027

### Total Benefits

$1,145,027 $1,280,218 $1,280,218 $1,786,765

### Utility Project Costs

- **Program Planning & Design**
  - N/A $0 $0 $0

- **Administration & Program Delivery**
  - N/A $107,674 $107,674 $107,674

- **Advertising/Marketing/Customer Ed**
  - N/A $0 $0 $0

- **Participant Rebates and Incentives**
  - N/A $250,503 $250,503 $250,503

- **Equipment & Installation**
  - N/A $0 $0 $0

- **Measurement and Verification**
  - N/A $6,374 $6,374 $6,374

#### Subtotal

N/A $364,551 $364,551 $364,551

### Utility Revenue Reduction

- **Revenue Reduction - Electric**
  - N/A $894,524 $894,524

#### Participant Costs

- **Incremental Capital Costs**
  - $632,500

- **Incremental O&M Costs**
  - $0

#### Subtotal

$632,500 $894,524 $0 $0

### Total Costs

$632,500 $364,551 $1,259,075 $997,052

### Net Benefit (Cost)

$512,527 $915,667 $21,143 $789,714

### Benefit/Cost Ratio

1.84 3.31 1.02 1.79

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