

# Critical Peak Pricing-Price Responsive Demand Status/Progress

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# Introduction

- Regulatory
- Mandatory vs. Voluntary
- Business Case

# Mandatory vs. Voluntary

- \$333 per home
  - 2/3 homes @ 2kw, 1/3 homes @ 0.5kw
  - Full advanced metering and outage detection benefits (~\$20/yr)
  - Customers pay \$0 directly?
  - All ratepayers pay equally?
- \$1000 per home
  - 25% of 2/3 homes @ 2kw
  - Limited AMR benefits because no full routes eliminated, demand verification benefits
  - Customers pay \$60/yr directly
  - All ratepayers pay ~50% of costs

# Mandatory vs. Voluntary

- 1.5 kw per home
  - \$333 per home-\$20/yr
  - \$222/kw -\$20/yr
- 1/3 kw per home
  - \$166 per home -\$10/yr
  - \$500/kw-\$60/yr

# Benefits

- Wholesale Market- 100 hours x kw x top 100 hours price
- Wholesale Market X 5- Societal Benefit of overall effect on market prices
- Distribution
  - Reliability (avoiding outages)
  - T&D deferrals
- End-Customer benefits
  - 3.8% energy savings
  - 15% bill savings