



## Cape Light Compact

# 2017 Demand Response Demonstration Offering Update

MA EEAC  
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# Planned Offering Overview



- CLC included a DR Demonstration Offering in 2016-2018 Plan
  - Residentially-focused
  - Offered participants a WiFi thermostat and energy monitoring equipment, monitored/controlled via app and/or web
  - Direct Load Control (DLC) program - Participants' thermostat set points automatically adjusted during DR events called by CLC
    - 4-hour events (most called 2-6 pm)
    - Events called based on weather and ISO load predictions
    - Participants notified of events via email on day before
  - Offering goal: Learn how to best engage residential customers in demand response, use experience to inform further DR program development

# 2017 – Changes from 2016



- **Overall – expansion and streamlining**
  - Events called on opt-out basis only
  - Notification – morning of event day
    - via email and in-app message
  - Incorporation of mini-split DLC device and new thermostat model
  - Elimination of energy monitoring equipment
  - Simplification for participation incentives
    - Enrollment incentive plus “performance” incentive
  - Events called based on peak day probability

# 2017 Results



- 7 DR Events called July - August
- 40 participants
  - 22 thermostat participants, 18 mini-split participants
  - All new enrollments were mini-splits
- 116 participant events (participants x events triggered)
- 192 device events (devices x events triggered)
- 1 event opt-out

# 2017 Takeaways



- Important to incorporate DLC for mini-splits when targeting air conditioning load
- Be ready by June 1
  - Peak day was June 13, early by historical standards
- Must actively re-recruit past participants
- Weather is the driver – varies year-to-year
- At program scale, will need to recruit already-installed thermostats
  - Must carefully consider which thermostat model(s) to incorporate in to platform



**Thank you**