Southern California Edison

Automated Demand Response

Long Beach Business Forum

Program Overview

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What is Demand Response (DR)?
• Demand Response rewards customers for reducing their energy usage. By reducing energy consumption during periods of peak demand, demand response participants help keep electricity service costs down while decreasing the impact on the environment by minimizing the need for costly new generation and high voltage transmission lines. In return, demand response programs offer bill reductions, credits and incentives.

What is Automated Demand Response (Auto-DR)?
• Southern California Edison’s Auto-DR program enables demand response customers to apply pre-selected load reduction strategies automatically, without the need for manual intervention.

How Automated Demand Response Works
• Once a demand response event occurs, a central system sends an event or price signal through the internet, either directly to the customer’s automated control system (energy management system), or via a relay (load reducing device) at the customer site. The EMS or relay device then triggers various systems to respond based on the customer’s pre-selected load reduction strategies. To ensure maximum flexibility and ease of use, customers always have the ability to override the automated signal and/or adjust their load reduction strategy to accommodate changing needs.

Auto-DR Technology Incentives (Auto-DR TI) Overview
• Southern California Edison’s Auto-DR TI program provides eligible SCE customers financial incentives up to $300 per verified kW load reduction (for Auto-DR) for the installation of eligible technologies that reduce electricity usage during periods of peak demand. These services are also intended to give increased flexibility to participate in other demand response programs that provide additional energy savings and incentives.
  - The Auto-DR TI program will reimburse customers up to 100% of their project cost.
  - Under no circumstances will a customer be paid more than the reasonable cost of the equipment and installation.
  - All service accounts participating in the Auto-DR TI program have an IDR or Edison SmartConnect® meter.
  - All participating customers must be enrolled in a qualifying DR program at the time they enroll in the Auto-DR TI program.
  - Customers must remain enrolled in a qualifying demand response program for 36 consecutive months upon receipt of incentive.
    - Real Time Pricing, Summer Advantage Incentive, Demand Response Contract, Capacity Bidding, Demand Bidding
Auto-DR began accepting 2012-2014 Customized program applications May 2012 and Express applications September 2012.

1. **Auto-DR Customized Technology Incentives** *(2012-2014 funding was exhausted December 2012)*
   - Applications are processed in the order they are received until project funding is depleted.
     - a) Auto-DR is accepting applications. Applications are being put onto a wait list in the order they are received.
       - Projects will be reviewed and approved as funding becomes available on a project by project basis.
     - b) Applications must include a Third Party project proposal with detailed calculations and a controls system diagram.
   - Applications received on or after Jan. 1, 2013 will receive incentives via a 60/40 split, with the 40% based on program participation.
   - Manual and semi-automated controls are not eligible for incentives.
     - a) This includes improvements to existing equipment, behavioral changes, maintenance service fees, and metering equipment.

2. **Auto-DR Express Technology Incentives** *(2012-2014 funding was exhausted December 2012)*
   - Predetermined demand response kW savings for standard technologies:
     - a) Lighting controls: 20%, 30% or 40% reduction
     - b) Temperature reset controls for HVAC: 4°F, 5°F or 6°F
     - c) Duty-cycling of HVAC compressors and supply fans: 10, 15 or 20 minutes
   - Qualifying Customers:
     - a) Offices (daycare or preschool, church, contractor or sales office, collectively under 100,000 square feet) 100-400kW of peak demand
     - b) Retail stores (stores located in strip malls, studio or gallery) 100-400kW of peak demand
     - c) Food stores (convenience stores, including those at gas stations and liquor stores) 100-250kW of peak demand
   - Customers selecting the Auto-DR Express option will qualify for up to 100% of eligible incentives *(NO 60/40)*:
     - a) Capped at $300 per kW upon equipment verification and demonstration.
     - b) Incentives are not available for more than one DR strategy for the same technology type.
     - c) Incentives will be based on climate zone, utilizing the customers most recent 12 months of usage.
       - Zone 7 – e.g., Tehachapi, Tulare
       - Zone 8 – e.g., Tustin, Camarillo
     - d) Predetermined (deemed) kW savings are in 25kW increments.

**Auto-DR Tool Link**: [www.sceonlineapp.com/measures/MeasureSelect.aspx](http://www.sceonlineapp.com/measures/MeasureSelect.aspx)