Driving Demand Response in Commercial Buildings

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1

Today's Lineup

- Heather Langford USGBC
- Nicholaus Halecky on behalf of Lawrence Berkeley National Laboratory
- John Finnigan Environmental Defense Fund
- Greg Bair Enerliance
- Nicholaus Halecky MelRok









Leadership in Energy and Environmental Design

A leading-edge system for certifying the greenest performing buildings in the world





Consider the benefits of moving towards Auto DR whether or not you pursue the Pilot Credit

- Energy Savings Management
- Reduction in Operations Expenses
- Exemplify Leadership





CREDIT REQUIREMENTS

- Real-time, fully automated demand response (Auto DR)
- Minimum 1-year DR-Participation Contractual Commitment with intention of multi-year renewal
- 10% or more of the estimated peak electricity demand, or a minimum of 20 kW, whichever is greater





ABOUT DRPP

The **Demand Response Partnership Program (DRPP)** was created by

US Green Building Council (USGBC) and Environmental Defense Fund (EDF) to

- Understand the relationship between commercial buildings and demand response
- Drive adoption of Auto DR in commercial buildings





WHO WE ARE



US Green Building Council

45,000+ Commercial registered/certified LEED projects with 7.5B SF 79 USGBC Chapters Nationwide 170,000 LEED Accredited Professionals (APs)



Environmental Defense Fund

700,000 members 40 Years of finding solutions to challenging environmental problems



Lawrence Berkeley National Labs

EDF & Lawrence Berkeley National Labs comprise the leading environmental and energy research and validation team

Skipping Stone



USGBC has retained Skipping Stone to provide program & project management services





DRPP GOALS

Outreach and Research

- Involve LEED buildings within the utility's service territory
- Identify barriers to participation and mitigate if possible
- Quantify positive environmental and grid impacts

Market Transformation

- Develop education and outreach materials
- Drive adoption of demand response programs in commercial buildings





WHO WE ARE

Utility Sponsors



NV Energy

Nevada's largest electric utility serving 1.5 million citizens as well as a state tourist population exceeding 40 million annually



Southern California Edison

California utility serving 14 million people in 180 cities





ELIGIBILITY

 Commercial building approximately 100K sq ft or greater

Note: Auto DR program requirements vary by utility and should be reviewed when pursuing the pilot credit

- Building equipped with an Energy Management (EMS) or Building Automation System (BAS)
- LEED certification/recertification in process or in near future





WHO WE ARE

Solution Providers



MelRok

Technology provider of energy monitoring and management for real-time energy solutions



Enerliance

Creators of an intelligent optimization system offering fullyautomated demand response capability for large buildings



