Today’s Agenda

- What is SoCalREN?
- Understanding Measurement & Verification
- What is NMEC?
- The Value of Data Granularity
- Applications for NMEC
- Where Do I Get My Data?
- Q&A
The Southern California Regional Energy Network (SoCalREN) was created to harness the collective power of residents, businesses and the public sector to achieve an unprecedented level of energy savings across Southern California.

Public Agencies Residential Financing Workforce

Who’s in the SoCalREN Public Agencies Network?

140 Agency Enrollments
89 Citi Counties
5 Special Districts
19 School Districts
22 Water Agencies
SoCalREN’s Metered Savings Program

The Metered Savings Program is an innovative approach to use normalized metered energy consumption (NMEC) to measure energy efficiency savings at the meter for facilities and other assets.

- Unlock support for “stranded savings”
- One-stop shop from project start to finish
- Persistent energy savings with ongoing support

Learn more at socalren.com/MeteredSavings

What is Measurement & Verification?

- Energy-efficient equipment installed
- "Natural" Energy Creep
- Energy creep delays return on investment for an energy project

Source: kW Engineering
Measurement & Verification Tools

- Digital Data Logging
- Building Management System
- Operator Data Logging
- SCADA System

What is NMEC?

Normalized Metered Energy Consumption
Continuous Commissioning

Meter-Based Commissioning: Value with High-Res Data

15-Minute Data: Cycling is not detectable and valve position is relatively constant throughout the day.

1-Minute Data: Reality of how the cooling coil is behaving. Cycling is over working the valve and shortening the expectancy.
Big Data Connections

✓ Green Button Connect
  ○ PG&E
  ○ SCE

✓ Request Utility Data Directly
  ○ Contact your Account Representative

✓ Subscription Services
  ○ Multiple vendors offer metering and submetering services

✓ DIY
  ○ Power monitors and other sensors can be purchased from a variety of retail outlets

Thank you!

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