

## ETCC QUARTERLY MEETING

# Residential Energy Solutions

**Wednesday, November 4<sup>th</sup>** | 9:30 AM – 3:00 PM  
Webinar runs from 10:00 AM – 3:00 PM

**LOCATION:** California Energy Commission, First Floor, Rosenfeld Hearing Room, 1516 9th Street, Sacramento, and via Webinar.

This ETCC meeting will convene experts from industry, research, utility and government entities working towards solutions to today's pressing residential sector energy challenges. Speakers will discuss energy efficiency in the context of California's climate goals, innovative technologies to trim residential plug loads, advances to address existing homes and apartments based on recent building science and legislative developments, and the integration of distributed generation with energy efficiency on the path to zero net energy residences.

## AGENDA

9:30 AM BREAKFAST AND NETWORKING

10:00 AM **Introduction, Safety and ETCC Updates**

**Mark Fernandes**, Emerging Technology Program Manager, Los Angeles Department of Water and Power

10:10 AM **Welcome and Overview of California's Climate Goals and the Importance of Energy Efficiency**

**Laurie ten Hope**, Deputy Director, Energy Research & Development Division, California Energy Commission

*California has set a goal of reducing greenhouse gas emissions by 40 percent below 1990 levels by 2030. Recent legislation has targeted the doubling of energy efficiency by 2030 for existing buildings and increasing investments for energy efficiency. New residential and commercial buildings will soon be ZNE. These efforts play a critical role in achieving the needed GHG reductions in California.*

10:25 AM **Balancing the Load: Residential Plug Loads**

**Moderator: G.P. Li**, Director and Professor, EECS, University of California Irvine

*Appliances and electronics use an enormous amount of energy in homes. California has multiple codes and guidelines on how technology can help limit this energy use. Hear about the newest technology designed to address this issue, and how product companies are tackling this challenge from the square one.*

**Stephen Palm**, Senior Technical Director, Broadcom

**Henry Wong**, Sr. Staff Technologist, Intel

**Matt Smith**, Project Manager for Emerging Technologies Energy Efficiency Program, San Diego Gas & Electric

11:40 AM **LUNCH** (provided)

12:40 PM **Existing Residential Buildings: What's Coming Up and Lessons Learned**

*Overview of the AB 758 action plan, SB 350 and AB 802—and the impact on existing residential buildings. Demonstration of an asset-based rating system for existing buildings that showcases the value of energy efficiency to homebuyers; demonstration of residential energy performance tool; case study of practical and cost-effective retrofits on a variety of residential building vintage and types in California's hot, dry climate zone.*

**Moderator: Virginia Lew**, Office Manager, Energy Efficiency Research Office, California Energy Commission

**Abhilasha Wadhwa**, Supervisor- Appliances and Existing Buildings Office, California Energy Commission

**Martha Brook**, P.E., Senior Mechanical Engineer, California Energy Commission

**John Proctor**, P.E., President, Proctor Engineering Group

1:40 PM **BREAK**

1:50 PM **Path to ZNE: Integration of Distributed Energy Resources and Energy Efficiency**

*How are small power sources being used in households to meet basic power demands? What opportunities are there for new technologies to be implemented that will lead to zero net energy homes?*

**Moderator: Jonathan Livingston**, President, Livingston Energy Innovations

**Jon Fortune**, Director, Regulatory & Energy Services, Sunverge

**Neha Arora**, Engineer / Project Manager, Southern California Edison

**Lupe Jimenez**, Senior Project Manager, Sacramento Municipal Utility District

**Ram Narayanamurthy**, Senior Project Manager, EPRI

3:00 PM **Wrap-Up**

**Bruce Baccei**, Emerging Technologies Project Manager, Sacramento Municipal Utility District

## ABOUT THE ETCC

The ETCC supports the advancement of energy efficiency and demand response initiatives through its leadership, impact and influence in the emerging technology domain. It pursues this objective through strategic stakeholder engagement and effective and efficient coordination among ETCC members.

## CONTACT US

We'd love to hear your thoughts. If you have questions, suggestions, partnership ideas or project leads, please contact us at [contact@etcc-ca.com](mailto:contact@etcc-ca.com)

