

2018 SUMMER STUDY BUILDINGS: PANEL 2

RESIDENTIAL BUILDINGS: PROGRAM DESIGN, IMPLEMENTATION, AND EVALUATION

PANEL LEADERS: **Valerie Richardson**, *DNV GL* and **Tory Weber**, *Southern California Edison*

SESSION TOPICS: This panel will cover a range of topics for the US and internationally, including: fresh ideas or applications in the design, implementation, and measurement of energy efficiency programs.

- **Program Design:** Ideas that emphasize cost-effective solutions; move to systems approaches; short- & long-term savings; integration of EE and other demand-side technologies; mix proven technologies with new ideas for success; the role of financing; balancing codes with program design; innovations in program design for new and emerging measures; residential programs in the age of smart meter data.
- **Implementation:** Using innovative delivery channels; delivering cost-effective comprehensive retrofit programs; next-generation residential lighting strategies; new ideas in low- and middle-income programs; trends in residential building modeling software; incorporating advances in automation and building science; incorporating behavior strategies targeting individuals and community-scale.
- **Evaluation:** Impacts of online programs/tools; cost-effectiveness of programs; innovative cost-effectiveness evaluation; using data mining for better predictive value; innovative approaches to evaluating program impacts; early-feedback evaluation approaches; understanding customer response to program outreach. All of these topics are intended to focus on how to make energy efficiency easy and enticing.