

## **Panel 2: Residential Buildings: Program Design, Implementation, & Evaluation**

The success and impact of energy efficiency programs depends on effective use of proven practices, development of innovative strategies, and nimble adaptation to the evolving landscapes of energy use, consumer expectations, and technical capabilities. This panel will cover a range of topics on how energy efficiency programs improve residential buildings and deliver energy savings through program design, outreach, implementation, and evaluation. It will share successes, promising approaches, and lessons learned in energy efficiency programs, as well fresh ideas to advance efficiency as the core of a clean energy future.

Topics include but are not limited to:

- Delivering high-impact comprehensive retrofit programs;
- Using innovative delivery channels and best practices;
- Effective relationships with trade allies (manufacturers, retailers, distributors, and contractors);
- Technologies and data-driven approaches to increase impact of program implementation
- The role of financing;
- Claiming savings through market transformation/attribution model;
- Strategies to reach low- and middle-income or underserved populations;
- Overcoming the split incentive barrier in multifamily and/or rentals;
- Integration of EE into real estate transactions and occupant turn-over;
- How trends and developments in residential building modeling software improve program implementation;
- Innovations in program design for new and emerging measures;
- Advancements in automation and manufacturing that enable highly scalable implementation;
- How to ensure EE measures also address health and safety concerns;
- Effective approaches for EE programs which also address buildings-to-grid integration, including renewables, electric vehicles, storage, strategic electrification, demand response, or other related aspects;
- Incorporating behavior strategies at the individual- and community-scale;
- Innovative approaches to evaluate short- and long-term program impacts, realized energy savings, cost-effectiveness, and non-energy benefits.