

PANEL 2: Residential Buildings: Program Design, Implementation, and Evaluation

Residential energy efficiency programs continue to evolve to meet the needs and interests of consumers, to embrace new technologies, and to support various policy goals. There is also a growing emphasis to reach underserved sectors and to braid program funds to make these programs more accessible to lower income households. Recent, unprecedented funding from the federal government has accelerated these efforts. This panel will cover innovation in energy efficiency design, implementation, and evaluation in residential buildings, including existing, new construction, single family, multi-family, rented, and owner-occupied homes. Share with us your successes, promising approaches, and lessons learned in delivering energy savings.

Topics include but are not limited to:

- Whole-home energy efficiency program design and implementation, including coupling of energy efficiency and decarbonization
- Data-driven approaches and remote analysis to identify homes with high savings potential, support the prioritization of measures, and to verify improved performance
- Strategies to identify and address the unique needs of low-income and underserved populations
- Improving cost-effectiveness by incorporating energy efficiency measures into typical transaction points, such as homebuying/selling, occupant turn-over, repairs, and maintenance work
- Innovative partnerships, program designs, and financing methods, including braiding of state, utility, and federally funded programs
- Customer education on electrification and decarbonization
- Addressing health and safety barriers and bill impacts
- Novel and useful ways to evaluate program impact, especially accounting for multiple program goals