

2018 SUMMER STUDY BUILDINGS: PANEL 10

NET ZERO: MOVING BEYOND 1%

PANEL LEADERS: **Smita Gupta**, *Itron* and **Cathy Higgins**, *New Buildings Institute*

SESSION TOPICS: The methods and outcomes of getting to net zero are proven but they remain a very minor portion of the building stock. Panel 10 will share solutions to move beyond the 1% by making them 'easy and enticing.' The panel addresses four areas with examples of topics as follows:

1. **Building Solutions:** Integrated design approaches; Tools for increasing Net Zero design and adoption; Data and case studies; Performance modeling, prediction and evaluation; Innovative and leading edge technologies and strategies; Markets and motivations for zero energy buildings; Cost and finances; Controls and load shaping for net zero; Operations and occupancy; On-site renewable generation;
2. **Aggregated Solutions:** Community, Campus, and Portfolio Scale; Microgrids and nanogrids for net zero campuses and buildings; Corporate portfolios;
3. **Policies and Regulations:** City, State, and Federal policies, codes and standards; Definitions and policies regarding net zero, renewables, on-site and RECs; GHG and carbon reduction challenges for net zero;
4. **Utility and Programs:** Utility programs for adoption of net zero; Rate design options; Grid integration and impact of net zero; Energy storage and EV charging in the net zero equation; Education and work force training for increasing adoption of net zero.