

Panel 5: Scaling Whole Building Retrofits

Developing, implementing and adopting whole-building solutions that significantly improve the energy efficiency of the vast number of existing buildings is critical to attaining a clean energy future. Although significant progress has been made in certain single-measure areas, such as efficient lighting, holistic approaches are still in need of scalable and cost-effective solutions.

Whole building retrofits will be key to improving the efficiency and sustainability of the built environment, yet many barriers reduce the designs to individual measures only. This panel will cover a range of topics spanning policy, technology, and process, including but not limited to:

1. Financing and incentive solutions;
2. Setting and tracking performance goals;
3. Innovative approaches to minimize the downtime in the use of the building;
4. Advanced strategies for building envelope retrofits;
5. Integrated design and manufacturing tools;
6. New approaches to implement flexibility in design plans;
7. Scheduling, project delivery, and project management to ensure integrated and on-time delivery;
8. Overcoming labor and skills shortage, e.g., by increasing efficiency and product performance;
9. Creating bidding documents to allow for competitive supplier process;
10. Outstanding technology and process needs.