

PANEL 5: Scaling Whole-Building Retrofits

Roughly 70% of buildings that exist today in the United States will still exist in 2050. Therefore, whole-building retrofits are necessary to decarbonize and improve energy efficiency for the building sector. Barriers prevent existing building retrofits from being mainstream, however. According to the *Team Zero Inventory of Net Zero Homes in the U.S. and Canada*, roughly 1% of zero-net-energy projects were retrofits.

This panel will focus on barriers that remain and the inroads being made to scale whole-building zero-carbon retrofits. Papers of specific interest will fall into four main categories:

- Technological innovations that enable scale of whole-building zero-carbon retrofits
- Financial innovations to unlock retrofit markets
- Policy opportunities at multiple scales that have the potential to catalyze this market
- Retrofit programs for underserved communities, which may include low- and moderate income families.

The aim of this panel will be to facilitate a rich dialogue among panelists and attendees that explores the unique challenges of retrofits to holistic, transformational solutions.