

Panel 5: Scaling Whole Building Retrofits

Panel Leaders: Heather Goetsch & Martha Campbell

MONDAY, AUGUST 22

SESSION 1 (8:30 - 10:00 am)
Decarbonizing Tall Buildings
<i>An All-electric Passive House Renovation of an 100-year Old Skyscraper: Lessons Learned</i> Cecil Scheib, New York University
<i>Scaling Tall Building Decarb in the Biggest US Market</i> Adam Hinge, Sustainable Energy Partnerships
<i>Decarbonization Packages for NYC Office Buildings</i> Helen Chanie, Building Energy Exchange
SESSION 2 (10:30 am - 12:00 pm)
Unlocking Commercial Building Decarbonization
<i>Designer Interviews: Key Findings on Boiler Retrofits and Electrification in Existing Buildings</i> Emily Lamon, University of California, Berkeley
<i>Decarbonizing Large Buildings: Overcoming Barriers and Supporting Market Advancement</i> Patricia Lightburn, Dunsy Energy + Climate Advisors
<i>Pathways to Home Decarbonization</i> Iain Walker, Lawrence Berkeley National Laboratory

TUESDAY, AUGUST 23

SESSION 1 (8:30 - 10:00 am)
Scaling Multifamily Retrofits
<i>A Case Study Modeling Barriers and Opportunities for Multifamily Electrification Retrofits</i> Rhys Davis, Resource Refocus
<i>Early Designs and Deep Retrofits: Meeting Affordable Multifamily Organizations with Useful Technical Services</i> Alex Novie, Energy Trust of Oregon
<i>Making Naturally Occurring Affordable Housing More Efficient: Outreach to Upgrade</i> Abigail Corso, Elevate
SESSION 2 (10:30 am - 12:00 pm)
Equitable Approaches to Whole Building Retrofits
<i>Whole-Home Retrofit Approaches for Health and Equity</i> Yu Ann Tan, RMI
<i>Customer Financial Outcomes Under Inclusive Utility Investment Programs</i> Jeff Deason, Lawrence Berkeley National Laboratory
<i>Equity Focused Minnesota Workforce Development Pilot</i> Sarah Northrup, Center for Energy and Environment

WEDNESDAY, AUGUST 24

SESSION 1 (8:30 - 10:00 am)
Aggregation Models for Retrofits
<i>Planning for Portfolio-wide Net Zero Energy Existing Buildings (ZEEB) on a Budget</i> David Kaiser, City of Alexandria, VA
<i>Meter-Based Targeting for Beneficial Electrification at Scale</i> Mia Oppelstrup, Recurve Analytics
<i>Systems Retrofits for All: Utility Incentive Programs to Accelerate the Deployment of Systems Packages</i> Cindy Regnier, Lawrence Berkeley National Laboratory
SESSION 2 (10:30 am - 12:00 pm)
Leveraging Data to Catalyze Adoption of Whole Building Retrofits
<i>Scaling Audits through Machine Learning Methods on Novel Image Data</i> Reshma Singh, Lawrence Berkeley National Laboratory
<i>Better, Cheaper, Faster, Stronger: A New Data Collection Campaign to Capture the Benefits of Industrialized Construction Approaches for Whole Building Retrofits</i> Aven Satre-Meloy, Lawrence Berkeley National Laboratory
<i>Taking Down Barriers – Deploying a BEM-Based Approach to Promote Energy Efficiency and Decarbonization in the Existing Residential Sector</i> Mudit Saxena, Vistar Energy Inc./XeroHome

THURSDAY, AUGUST 25

SESSION 1 (8:30 - 10:00 am)
Advancing Retrofit Technologies
<i>A Deep Dive into Air Sealing Best Practices and Market Potential</i> Brigid O'Connor, Summerhill Group, Inc.
<i>Digitalization of Deep Wall Retrofits: An Integrated Insulated Panel Block (PB) System and Process</i> Kurt Roth, Fraunhofer USA
<i>Best Practices from the Field: Air-to-Water Heat Pump Combi Systems</i> Jason LaFleur, GTI Energy
SESSION 2 (10:30 am - 12:00 pm)
Transforming the Market for Retrofits
<i>Closing the Code Gap: Best Practices for Existing Building Energy Codes</i> Lauren McNutt, Dunsy Energy + Climate Advisors
<i>Creating Regional Ecosystems for Scalable, Low-carbon Whole-building Retrofits</i> Patty Kappaz, Allegheny Science & Technology
<i>It Takes a Platform: Creating an Ecosystem to Drive Energy Efficiency</i> Robin LeBaron, Pearl Certification

Panel 5 continued	
FRIDAY, AUGUST 26	SESSION 1 (8:30 - 10:00 am)
	Perspectives in Financing Retrofits
	<i>Electrofit Cost Effectiveness, Policymaking, and Financing Approaches for Local Agencies</i> Farhad Farahmand, TRC
	<i>Financing Energy Improvements in the Mortgage</i> Richard Faesy, Energy Futures Group
	<i>Better Bang for Your Buck? Comparing Savings Realization from ESPCs and Direct-funded Projects</i> Shankar Earni, Lawrence Berkeley National Laboratory
	SESSION 2 (10:30 am - 12:00 pm)
	Compressing Costs and Extracting Value to Scale Whole Building Retrofits
	<i>The Costs of Home Decarbonization</i> Iain Walker, Lawrence Berkeley National Laboratory
	<i>Energy Efficiency as a Service: An Emerging Tool for Utilities to Reach Deeper Savings in Buildings</i> Nick Henner, ACEEE
	<i>Leveraging Standard Data Models to Streamline Whole Building Retrofits</i> Richard Andrulis, Performance Systems Development