

Panel 10: New Construction: From Codes to Net Zero (Room: MARLIN)

PANEL LEADERS: Andrea Mengual, Pacific Northwest National Laboratory and Debbie Driscoll, Northwest Energy Efficiency Alliance

DATE	SESSION	TITLE	LEAD AUTHOR, ORGANIZATION
Mon 8/5	Session 1 8:30 - 10:00 am	<i>Paths to Zero: Creating a National Zero Carbon Emissions Building Definition (no paper)</i>	Hayes Jones, National Renewable Energy Laboratory
	Decoding the Carbon Conundrum: Operational and Embodied Carbon Insights	<i>Comprehensive Embodied Carbon Policy Development in the Upper Midwest</i>	Richard Graves, Center for Sustainable Building Research
		<i>Finding the Right Balance Beam: Examining Optimum Insulation Levels in Light of Uncertainty in Energy Costs and Carbon Emissions</i>	Mohamed Abdelsalam, ICF
		Session 2 10:30 am - 12:00 pm	<i>Prescriptive Codes and Implications on Building Energy Use Variation</i>
	Taking a Fresh Look at Performance and Prescriptive Code Approaches	<i>Efficiency First: Minnesota’s approach to push the limits of efficiency and narrow the efficiency gap in achieving net zero code goals</i>	Carl Nelson, Center for Energy and Environment
<i>Buildings of Excellence: Driving Equitable and Climate Resilient Multi-family Housing Across New York State</i>		Nathaniel Heckman, Resource Refocus	
Tues 8/6	Session 1 8:30 - 10:00 am	<i>Investigating the Impacts of Climate Change on an Affordable Multifamily Building in Boston, Massachusetts</i>	Ching-Wen Hsiao, New Ecology
	Innovations in Building Codes: Global Perspectives and Local Impact	<i>Impact of electrification reach codes on residential new construction projects</i>	Melissa Kosla, ADM Associates
		<i>The New York Stretch Energy Code: A Convergence of Opportunity</i>	Ben Edwards, NORESKO
	Session 2 10:30 am - 12:00 pm	<i>Come Together: How the New National Energy Codes Collaborative is Supporting States and Cities Implementing Updated Energy Codes</i>	Mike Waite, ACEEE
	Establishing Collaborative Networks for Effective Energy Code Implementation (no papers in this session)	<i>From Development to Enforcement: Leveraging Technical Assistance to Meet Energy Code Goals</i>	Kim Cheslak, Pacific Northwest National Laboratory
		<i>Power of Partnership: Promoting Equity through Collaborative Energy Code Efforts in the Southeast</i>	Maggie Kelley Riggins, Southeast Energy Efficiency Alliance
	<i>Navigating Code Advancement in a Diverse Localized Ecosystem</i>	Adam Berry, Colorado Energy Office	

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Wed 8/7	Session 1 8:30 - 10:00 am	<i>Bridging the Gap: Aligning Building Energy Codes with Existing Building Performance Standards</i>	Michael Tillou, Pacific Northwest National Laboratory
	High Performance in New and Existing Buildings: Harmonizing Energy Codes and Building Performance	<i>Performance Based Approaches to Energy Codes and BPS – Results of Jurisdiction Pilots</i>	Kim Cheslak, Pacific Northwest National Laboratory
		<i>A Win-Win Strategy: Municipality and Utility Partnership on Advanced Building Policy Market Transformation</i>	Jeannette LeZaks, Slipstream
	Session 2 10:30 am - 12:00 pm	<i>21st Century Compliance: Data-Driven Solutions for Decarbonization and Equity</i>	Ben Lalor, NORESKO
	Scaling Up Sustainability: Off-site Construction, Data-driven Design, and Code Innovation for a Decarbonized Future	<i>Out of Site! Lessons Learned from Alternative Approaches to Evaluating the Market’s Response to Code Changes</i>	Meghan Bean, Northwest Energy Efficiency Alliance
		<i>Compliance Journeys: Using a Stock-based Modeling Approach to Analyze Maryland’s Proposed Statewide Building Performance Standards</i>	David Pudleiner, ICF
Thurs 8/8	Session 1 8:30 - 10:00 am	<i>Code and Communities: Opportunities to Incorporate Equity Into Building Energy Codes</i>	Bahareh van Boekhold, ILLUME Advising
	From Codes to Communities: Building an Equitable Future	<i>Do Stronger Energy Codes Move Development to Neighboring Jurisdictions?</i>	Alison Lindburg, Midwest Energy Efficiency Alliance
		<i>Energy Codes, Home Size, and Equity</i>	Kevin Rose, Northwest Energy Efficiency Alliance
	Session 2 10:30 am - 12:00 pm	<i>The Rent is Too D*** High! Cost-Effective Ways to Reduce Upfront and Long-term Costs for Residential New Construction and Simplify Participation</i>	Jerrad Pierce, NMR Group
	Building for All: How Codes and Programs are Shaping Residential	<i>Moving to All-Electric Residential New Construction Programs</i>	Nick Jones, Eversource
		<i>Codes, Mortgages, and Equity</i>	Lowell Ungar, ACEEE

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Fri 8/9	<p align="center">Session 1 8:30 - 10:00 am</p>	<p><i>Beat the peak - Mitigating electric peak demand in all-electric new construction</i></p>	<p align="center">Philippe Beaudoin, Dunsky Energy + Climate Advisors</p>
	<p>Powering Progress: Energy Storage and Demand Management</p>	<p><i>Making It Happen: Onsite Renewable Energy and Storage for Commercial Buildings</i></p>	<p align="center">Heather Goetsch, National Renewable Energy Laboratory</p>
		<p><i>Residential Energy Management Systems: Market Trends and Future Growth</i></p>	<p align="center">Hannah Bastian, Guidehouse</p>
	<p align="center">Session 2 10:30 am - 12:00 pm</p> <p>From Barriers to Breakthroughs: Navigating Legal Challenges and Roadblocks in Decarbonization</p>	<p><i>Energy Code Decarbonization Pathway to Accommodate the Ninth Circuit Court Ruling</i></p>	<p align="center">Shilpa Surana, 2050 Partners</p>
	<p><i>Unlocking the Path to Decarbonized Building Thermal Systems: Strategies for Designers and Contractors</i></p>	<p align="center">Paul Torcellini, National Renewable Energy Laboratory</p>	
	<p><i>California Restaurant Association v. City of Berkeley and the continuing opportunities for building codes to drive deep decarbonization and energy efficiency</i></p>	<p align="center">Kristen Driskell, 2050 Partners</p>	