

## Panel 10: New Construction: From Codes to Net Zero

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

DATE	SESSION	TITLE	LEAD AUTHOR, ORGANIZATION
<b>Mon 8/5</b>	<b>Session 1</b> <b>8:30 - 10:00 am</b>	<i>Paths to Zero: Creating a National Zero Carbon Emissions Building Definition</i>	Paul Torcellini, 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
	<b>Session 2</b> <b>10:30 am - 12:00 pm</b>	<i>Prescriptive Codes and Implications on Building Energy Use Variation</i>	Molly Curtz, Pacific Northwest National Laboratory
	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
<b>Tues 8/6</b>	<b>Session 1</b> <b>8:30 - 10:00 am</b>	<i>A Radical Rethink on Building Energy Codes: The G20 Experience</i>	Akash Goenka, Alliance for an Energy Efficient Economy
	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
	<b>Session 2</b> <b>10:30 am - 12:00 pm</b>	<i>Title TBD</i>	Mike Waite, ACEEE
	Establishing Collaborative Networks for Effective Energy Code Implementation	<i>Title TBD</i>	Kim Cheslak, Pacific Northwest National Laboratory
		<i>Title TBD</i>	REEO Rep
		<i>Title TBD</i>	State Energy Official

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DATE	SESSION	TITLE	LEAD AUTHOR, ORGANIZATION
<b>Wed 8/7</b>	<b>Session 1</b> <b>8:30 - 10:00 am</b> High Performance in New and Existing Buildings: Harmonizing Energy Codes and Building Performance	<i>Bridging the Gap: Aligning Building Energy Codes with Existing Building Performance Standards</i>	Michael Tillou, Pacific Northwest National Laboratory
		<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
	<b>Session 2</b> <b>10:30 am - 12:00 pm</b> Scaling Up Sustainability: Off-site Construction, Data-driven Design, and Code Innovation for a Decarbonized Future	<i>21st Century Compliance: Data-Driven Solutions for Decarbonization and Equity</i>	Ben Lalor, NORESKO
		<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
<b>Thurs 8/8</b>	<b>Session 1</b> <b>8:30 - 10:00 am</b> From Codes to Communities: Building an Equitable Future	<i>Code and Communities: Opportunities to Incorporate Equity Into Building Energy Codes</i>	Bahareh van Boeckhold, ILLUME Advising
		<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
	<b>Session 2</b> <b>10:30 am - 12:00 pm</b> Building for All: How Codes and Programs are Shaping Residential	<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>	Jared Powell, NMR Group
		<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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DATE	SESSION	TITLE	LEAD AUTHOR, ORGANIZATION
<b>Fri 8/9</b>	<b>Session 1</b> <b>8:30 - 10:00 am</b>	<i>Beat the peak - Mitigating electric peak demand in all-electric new construction</i>	Philippe Beaudoin, Dunsky Energy + Climate Advisors
	Powering Progress: Energy Storage and Demand Management	<i>Making It Happen: Onsite Renewable Energy and Storage for Commercial Buildings</i>	Heather Goetsch, National Renewable Energy Laboratory
		<i>Residential Energy Management Systems: Market Trends and Future Growth</i>	Hannah Bastian, Guidehouse
		<b>Session 2</b> <b>10:30 am - 12:00 pm</b>	<i>Energy Code Decarbonization Pathway to Accommodate the Ninth Circuit Court Ruling</i>
	From Barriers to Breakthroughs: Navigating Legal Challenges and Roadblocks in Decarbonization	<i>Unlocking the Path to Decarbonized Building Thermal Systems: Strategies for Designers and Contractors</i>	Sammy Houssainy, National Renewable Energy Laboratory
		<i>Investigating the impacts of climate change on performance and resiliency of new construction multifamily Passive House buildings in Boston, Massachusetts</i>	Ching-Wen Hsiao, New Ecology