

**Panel 10: New Construction from Codes to Net Zero**

Panel Leaders: Rob Salcido & Scott Hackel

<b>MONDAY, AUGUST 22</b>	<b>SESSION 1 (8:30 am - 10:00 am)</b>
	<b>Compliance is Key to Impact</b>
	<i>Energy Performance of New Low-Rise Multifamily Buildings in the United States</i> Robert Davis, Ecotope, Inc.
	<i>Compliance in the Cornhusker State: Nebraska's Energy Code Support Program</i> Karin Gredvig, Midwest Energy Efficiency Alliance
	<i>Delineate the Implementation of Residential Building Energy Codes in India</i> Shatakshi Suman, Alliance for an Energy Efficient Economy
	<b>SESSION 2 (10:30 am - 12:00 pm)</b>
<b>The Electric Transition: Examining Impacts as We Move toward Electrified Homes</b>	
<i>Turning the Wrenches of Beneficial Electrification: Understanding HVAC Contractor Decision-Making</i> Joe Van Clock, Apex Analytics, Inc.	
<i>How Low Can You (Economically) Go? Finding the Least-Cost Path to Net Zero New Homes</i> Brian Greenfield, Eversource	
<i>Estimating Energy and Greenhouse Gas Impacts in All-Electric Residential New Construction</i> Collin Elliott, Verdant Associates	

<b>TUESDAY, AUGUST 23</b>	<b>SESSION 1 (8:30 am - 10:00 am)</b>
	<b>Manufacturing Our Way to Zero Zero with Industrialized Construction</b>
	<i>Research, Development, Demonstration, and Deployment Efforts on Integrating Energy Efficiency Strategies with Industrialized Construction</i> Ankur Podder, National Renewable Energy Laboratory
	<i>Lessons Learned on the Journey to Bring Zero Energy Modular to Scale</i> Alison Donovan, VEIC
	<i>Off-site Construction in an On-site regulatory world: Streamlining the Path to Decarbonized Homes</i> Ian Blanding, Pacific Northwest National Laboratory
	<b>SESSION 2 (10:30 am - 12:00 pm)</b>
<b>The Present Reality and Future Hopes for Zero Carbon Buildings</b>	
<i>Convincing Clients to Make Zero a Reality--Views from the Design and Construction Community</i> Julia Sullivan, National Renewable Energy Laboratory	
<i>The Present and Future of Decarbonizing through Electrification in Commercial Buildings in the Midwest</i> Scott Hackel, Slipstream	
<i>Driving Decarbonization with Codes</i> Sean Denniston, New Buildings Institute	

<b>WEDNESDAY, AUGUST 24</b>	<b>SESSION 1 (8:30 am - 10:00 am)</b>
	<b>Equity in New Construction</b>
	<i>Sharing What's Already Shared – Findings from Common Spaces in Multifamily Buildings</i> Jenny Hughes, Evergreen Economics
	<i>Falling Short: Does Energy Code Compliance and Enforcement Vary by Income?</i> Ian Blanding, Pacific Northwest National Laboratory
	<i>Scaling Up Passive House New Construction Multifamily: The Massachusetts Story</i> Beverly Craig, Massachusetts Clean Energy Center
	<b>SESSION 2 (10:30 am - 12:00 pm)</b>
<b>Manufactured or Modularized Homes of the Future</b>	
<i>Cost-effective HVAC Improvements in New Manufactured Homes</i> David Chasar, FSEC Energy Research Center	
<i>A Scalable Method for Decarbonizing Modular Building Solutions</i> Zoe Kaufman, National Renewable Energy Laboratory	
<b>TBD</b>	

<b>THURSDAY, AUGUST 25</b>	<b>SESSION 1 (8:30 am - 10:00 am)</b>
	<b>New Approaches for New Housing</b>
	<i>Benefits of Passive Houses to the California Electric Grid</i> Ellen Steiner, Opinion Dynamics Corporation
	<i>Advanced Energy-Efficient and Fire-Resistive Envelope Systems Utilizing Vacuum Insulation for Manufactured Homes</i> Kaushik Biswas, Gas Technology Institute
	<i>Prescriptive Approach for Achieving Energy Efficiency in India's Upcoming Housing</i> Dharini Sridharan, Alliance for an Energy Efficient Economy
	<b>SESSION 2 (10:30 am - 12:00 pm)</b>
<b>Looking Forward: Pondering the Next Generation of Codes, Act 1</b>	
<i>Cracking the Code to EV Readiness in New Buildings</i> Peter Banwell, EPA Energy Star Program	
<i>Embodied Carbon Building Codes: Are We Ready?</i> Nora Efram, ACEEE	
<i>Incentive Measure to Codes and Standards: A Timeless Idea that Deserves a Fresh Look</i> Amy Boyce, Energy Solutions	

**Panel 10 continued**

**SESSION 1 (8:30 am - 10:00 am)**

**Looking Forward: Pondering the Next Generation of Codes, Act 2**

*DOE's Zero Energy Ready Home Program: Getting Builders from Code to Net Zero and Beyond*

*Theresa Gilbride, Pacific Northwest National Laboratory*

*Future of California Energy Code: Where Do We Go After 2022?*

*Rahul Athalye, NORESO*

*Tradeoff Analysis - Envelope vs Equipment and Renewable Energy Generation*

*Rob Salcido, Pacific Northwest National Laboratory*

**SESSION 2 (10:30 am - 12:00 pm)**

*OPEN SESSION*

FRIDAY, AUGUST 26