

Panel 10: New Construction from Codes to Net Zero

Panel Leaders: Rob Salcido & Scott Hackel

MONDAY, AUGUST 22

SESSION 1 (8:30 am - 10:00 am)
Compliance is Key to Impact
<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
SESSION 2 (10:30 am - 12:00 pm)
The Electric Transition: Examining Impacts as We Move toward Electrified Homes
<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

TUESDAY, AUGUST 23

SESSION 1 (8:30 am - 10:00 am)
Manufacturing Our Way to Zero Zero with Industrialized Construction
<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
SESSION 2 (10:30 am - 12:00 pm)
The Present Reality and Future Hopes for Zero Carbon Buildings
<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

WEDNESDAY, AUGUST 24

SESSION 1 (8:30 am - 10:00 am)
Equity in New Construction
<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
SESSION 2 (10:30 am - 12:00 pm)
Manufactured or Modularized Homes of the Future
<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
TBD

THURSDAY, AUGUST 25

SESSION 1 (8:30 am - 10:00 am)
New Approaches for New Housing
<i>Benefits of Passive Houses to the California Electric Grid</i> Kessie Aseivkova, 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
SESSION 2 (10:30 am - 12:00 pm)
Looking Forward: Pondering the Next Generation of Codes, Act 1
<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

FRIDAY, AUGUST 26

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