

PANEL 10 ACCEPTED PAPERS

Title	Category	Lead Author First Name	Lead Author Last Name	Lead Author Organization
Energy Performance of New Low-Rise Multifamily Buildings in the United States	Oral	Robert	Davis	Ecotope, Inc.
A Scalable Method for Decarbonizing Modular Building Solutions	Oral	Noah	Klammer	
Net-zero Energy Building Codes: Comparisons and Possible Paths for Brazil	Oral	Laisa	Brianti	Mitsidi Projetos
Embodied Carbon Building Codes: Are we ready?	Oral	Nora	Esrām	American Council for an Energy-Efficient Economy
Advanced Energy-Efficient and Fire-Resistive Envelope Systems Utilizing Vacuum Insulation for Manufactured Homes	Oral	KAUSHIK	BISWAS	Gas Technology Institute, 123 C Street, Davis CA 95616
The Present and Future of Decarbonizing through Electrification in Commercial Buildings in the Midwest	Oral	Scott	Hackel	Slipstream
Research, Development, Demonstration, and Deployment Efforts on Integrating Energy Efficiency Strategies with Industrialized Construction	Oral	Ankur	Podder	Community and Urban Science Research Group, National Renewable Energy Laboratory, Golden, CO
Turning the Wrenches of Beneficial Electrification: Understanding HVAC Contractor Decision-Making	Oral	Joe	Van Clock	Apex Analytics, LLC
Cracking the Code to EV Readiness in New Buildings	Oral	Peter	Banwell	EPA ENERGY STAR Program
Scaling Up Passive House New Construction Multifamily: The Massachusetts Story	Oral	Beverly	Craig	Massachusetts Clean Energy Center
Sharing What’s Already Shared – Findings from Common Spaces in Multifamily Buildings	Oral	Jenny	Hughes	Evergreen Economics
DOE’s Zero Energy Ready Home Program: Getting Builders from Code to Net Zero and Beyond	Oral	Theresa	Gilbride	Pacific Northwest National Laboratory
Cost-effective HVAC Improvements in New Manufactured Homes	Oral	David	Chasar	FSEC Energy Research Center
Falling Short: Does Energy Code Compliance and Enforcement Vary by Income?	Oral	Ian	Blanding	PNNL
Cost-effectiveness Methodology Update	Oral	Matt	Tyler	Pacific Northwest National Laboratory
Driving Decarbonization with Codes	Oral	Sean	Denniston	New Buildings Institute
Prescriptive approach for achieving energy efficiency in India’s upcoming Housing	Oral	Dharini	Sridharan	Alliance for an Energy Efficient Economy
How Low Can You (Economically) Go? Finding the Least-Cost Path to Net Zero New Homes	Oral	Brian	Greenfield	Eversource

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Are We Ready for a 100% Performance Based Energy Code?	Oral	Michael	Tillou	Pacific Northwest National Laboratory
Lessons Learned on the Journey to Bring Zero Energy Modular to Scale	Oral	Alison	Donovan	VEIC
Zero for Who: Net Zero Code Implications for Owners and Residents of Multifamily Buildings in the Northeast	Oral	Jacob	Shimkus Erickson	Cadmus Group
Off-site Construction in an On-site regulatory world: Streamlining the path to Decarbonized Homes	Oral	Ian	Blanding	PNNL
Benefits of Passive Houses to the California Electric Grid	Oral	Ellen	Steiner	Opinion Dynamics Corporation
Estimating Energy and Greenhouse Gas Impacts in All-Electric Residential New Construction	Oral	Collin	Elliot	Verdant Associates
Compliance in the Cornhusker State: Nebraska's Energy Code Support Program	Oral	Karin	Gredvig	Midwest Energy Efficiency Alliance
Assessing ZEB v2.0 Viability with ESS and PVs Across the US with Marginal and Average Emissions	Oral	Jamy	Bacchus	ME Engineers
Tradeoff Analysis - Envelope vs Equipment and Renewable Energy Generation	Oral	Rob	Salcido	Pacific Northwest National Laboratory
Convincing Clients to Make Zero a Reality--Views from the Design and Construction Community	Oral	Julia	Sullivan	National Renewable Energy Laboratory
Future of California Energy Code: Where Do We Go After 2022?	Oral	Rahul	Athalye	NORESKO
Cracking the Code: Overcoming Compliance Barriers to Ensure Building Codes Produce Savings	Oral	Miles	Ingram	DNV
Innovative RNC Program to Drive New Construction to Carbon Neutrality	Alternate	Nic	Dunfee	TRC
Delineate the Implementation of Residential Building Energy Codes in India	Alternate	Shatakshi	Suman	Alliance for an Energy Efficient Economy (AEEE)
Incentive Measure to Codes and Standards: A timeless idea that deserves a fresh look	Alternate	Bryan	Boyce	Energy Solutions
Watt are they waiting for? Potential and Barriers to Decarbonizing Commercial New Buildings	Alternate	Keith	Rivers	Evergreen Economics
Affordable, all-electric cold climate homes: a look inside the winning 2021 Solar Decathlon Build Challenge house	Visual	Jennifer	Scheib	University of Colorado, Boulder (CU Boulder)
History of Residential Energy Code Progress Toward Net-Zero	Visual	Rob	Salcido	Pacific Northwest National Laboratory