

PANEL 14: Poster Display Presentations

Panel Leader: Kristen Parrish, Arizona State University

Day TBD: Tuesday (8/4) or Thursday (8/6)/ Time: 4-6 PM, Room: Merrill Hall

PANEL	Title	Name		Organization
14	<i>Residential Battery Customer Energy Profile and Flexible Capacity Analysis</i>	Leland	Keller	City of Fort Collins, CO
14	<i>AI-Enabled Solar and Smart Home Integration for Energy Efficiency and Resilient Living</i>	Boris	Budagyan	
14	<i>Overcoming the Min/Max Conundrum: Achieving Efficiency in Cultural Institutions</i>	Alexi	Miller	New Buildings Institute
14	<i>Innovation in Action: Insights from Minnesota's Weatherization Initiatives</i>	Hannah	Hoeger	State of Minnesota
14	<i>Embracing the Complex: Longitudinal Evaluation of Energy Efficiency Market Transformation Programs in a Changing World</i>	Christopher	Cardiel	Northwest Energy Efficiency Alliance
14	<i>Mapping Equity: A Geographic Dashboard for Assessing Distributional Outcomes in Energy Efficiency Programs</i>	Robert	Stephenson	VEIC
14	<i>Spatial Patterns of Combined Energy Burdens: Comparing Household Energy Burden and Transportation Energy Burden in Massachusetts</i>	Deandra	Boyle	
14	<i>Causal Effects of Building Vintage on Heating and Cooling Energy Use in Korean Office Buildings</i>	Young-Seo	Yoo	KICT
14	<i>Evidence-Based Policy for Building Sector Carbon Neutrality: The Case of Korea's Building Energy Cap System</i>	Hyery	Shin	KICT
14	<i>Leveraging Construction Trend Data to Address Housing Affordability</i>	Chris	Perry	US Department of Energy
14	<i>Data-Driven Profiling of Urban Building Energy Use Using the Intrinsic Degree Day Framework</i>	Ki Uhn	Ahn	KICT
14	<i>Visualizing Minnesota Weatherization's Equity Impacts with WAPMAP</i>	Hannah	Hoeger	State of Minnesota
14	<i>Building Bright Futures: Youth Engagement in the Clean Energy Transition</i>	David	Vigliotta	Slipstream
14	<i>Assessing New Jersey's Urban Heat Island Mitigation Program (UHI Program) through a Community-Centered Approach</i>	Aileen	Eagleton	NJ Board of Public Utilities
14	<i>Real world operation of commercial heat pumps; collecting data in an under-characterized but important market</i>	Nate	Baker	
14	<i>Watt's the Bottom Line? Monitoring Savings Across Your Project Portfolio</i>	Maggie	Jacoby	kw Engineering
14	<i>The Gusty Guide: A Comparative Analysis of Offshore Wind Governance for a Transformed Energy Market</i>	Tiana	Elame	North Carolina State University
14	<i>Consumer Attitudes, Experiences, and Willingness to Purchase Connected Consumer Products</i>	Zdanna	King	Northwest Energy Efficiency Alliance
14	<i>Remote efficiency auditing: using bulk home analysis to enhance weatherization programs</i>	Brittany	Farrell	Clean Power
14	<i>Impact of space heating options on electricity rates and affordability</i>	Philip	White	National Renewable Energy Laboratory
14	<i>Repair, Revisit, Repeat: Tracking the Journey of Compressed Air Leak Repairs to determine the Effective Useful Life</i>	Michael	Soda	Guidehouse

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14	<i>Splitting the difference: Modeling Mini-Split Heat Pump Adoption with the National Energy Modeling System</i>	Kevin	Jarzomski	Energy Information Administration
14	<i>Access by Design: Developing a Community Framework to Improve Affordability and Resiliency</i>	Amalia	Hicks	Cadmus
14	<i>Stop Calculating Your BCA Like It's 1999: The Rise of the NSPM</i>	Steven	Schiller	Schiller
14	<i>The Use of AI and Digital Twins in DER Potential Studies: A Case for Granular Forecasting of DER Solutions to Address Local Grid Requirements</i>	Ali	Bozorgi	ICF
14	<i>Understanding Electric Consumption and Burden in and out of Environmental Justice Communities</i>	Gregory	Romine	Eversource
14	<i>Advancing insights into the global status of the buildings and construction sector</i>	Jerson	Amorocho	Buildings Performance Institute
14	<i>At a Crossroads: Is it Time for a Change in Our Approach to Transportation Electrification?</i>	Shannon	Kahl	Esource
14	<i>Beyond Home Energy Rebates: Building Market Demand for Home Energy Efficiency</i>	Jason	Christensen	Cadmus
14	<i>The City of Phoenix Mobile Career Unit: A Case Study in Alternative Hiring Models for the Renewable Energy Transition</i>	Michelle	Pham	Apex Analytics
14	<i>Tool to Estimate Financial Implications of Building Energy Retrofit Projects</i>	Chitra	Nambiar	Pacific Northwest National Laboratory
14	<i>Beyond the Install: Protecting Tenant Savings Through Performance Monitoring in SOMAH</i>	Lauren	Robinson	Verdant Associates
14	<i>Filling the Lighting Gap. Canned Spray Foam as an Energy Efficiency Program Measure?</i>	Ethan	Barquest	Verdant Associates
14	<i>Do Heat Pumps Deliver? Field Lessons from Cold-Climate and Dual-Fuel Systems</i>	Amine	Lazrak	DNV
14	<i>AI and Home Performance Upgrades</i>	Kara	Saul-Rinaldi	Anndyl
14	<i>Rethinking the Cost-Effectiveness Toolkit: Integrating Time-Varying Value into DER and Electrification Planning</i>	Matt	Wisnefske	Cadmus
14	<i>Measures to Improve Indoor Air Quality, Energy Efficiency, and Comfort in Buildings</i>	Anna	Mowris	Greenfan Inc.
14	<i>Turning Evaluation into Action: Leveraging Site-Specific Energy Reports to Drive Commercial Efficiency Participation</i>	Kiersten	Williams	Eversource
14	<i>Extreme Heat and Electricity Demand: A Study of Tallahassee, FL Households</i>	Stacy	Godfreey-Igwe	Carnegie Mellon University
14	<i>Expanding Ground Source Heat Pump Feasibility in Urban Environments: Measurement and Verification of a Novel Aquifer-Based System</i>	Jeff	Pritchard	Michaels Energy
14	<i>Supporting Commercial Real Estate Customers through Major Post-Covid Market and Use Changes</i>	Ali	Matisko	CLEAResult
14	<i>Accelerating Building Electrification through Innovation in Data-driven Customer Segmentation</i>	Sangeetha	Kumar	SV Clean Energy

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PANEL	Title	Name		Organization
14	<i>Escaping from the Net: A Tool for Assessing and Improving EE Program Attribution</i>	Christopher	Dyson	DNV
14	<i>Improving Factory-Built Housing from the Inside Out</i>	Christian	Kaltreider	Pacific Northwest National Laboratory
14	<i>Closing the Thermal Bridge in Concrete and Steel Construction</i>	Theresa	Gilbride	Pacific Northwest National Laboratory
14	<i>Have Your Cake and Eat it Too: Transitioning DSM Programs for the Priorities of the Future</i>	Claire	Miziolek	Energy Solutions
14	<i>The Great Transition from Energy Savings to Net Benefits</i>	Rachel	Murray	DNV
2	<i>Characterizing Electrical Panel Constraints of Residential Energy Retrofit Deployment at Scale</i>	Lixi	Liu	National Renewable Energy Laboratory
2	<i>Evolving Electrification Policy and Program Design in the Pursuit of Decarbonization</i>	Justin	Spencer	Apex Analytics
2	<i>Improving Residential Energy Programs Using GIS & Geospatial AI Analysis</i>	Matthew	Mininberg	GDS Associates
2	<i>Lessons and Future of the Home Energy Rebates</i>	Kara	Saul-Rinaldi	Anndyl
2	<i>Residential experiences and home electrification: Organizational Support and Community Learning</i>	Sarai	Benitez	Colorado State University
3	<i>Saving the Bacon: Low-Cost Supermarket Air-Curtain Refrigeration Retrofit Pilot Results</i>	Adam	Keeling	Skytop Consulting
3	<i>Field Demonstration of Non-Intrusive Secondary Window Systems for Energy Efficiency and Thermal Comfort Enhancement in Commercial Buildings</i>	Rui	Zhang	GTI
4	<i>Applicability Assessment of Quasi-Experimental Design Methodologies for Building Energy Policy Evaluation</i>	Hye	Gi Kim	Ajou University
5	<i>Radical Affordability in Residential Electrification</i>	Jake	Marin	VEIC
5	<i>From Policy to Practice: Implementing Colorado's Building Performance Standards</i>	Kudret	Utebay	ICF
5	<i>Speaking Their Language: Identifying Energy Assistance Disparities for Limited English Proficiency Populations in California</i>	Trace	O'Rorke	Verdant Associates
5	<i>Modeling Community Energy Flexibility for Energy Security: Virtual Power Plants as Grid Assets</i>	Archana	Ghodeswar	Oak Ridge National Laboratory
6	<i>Leveraging Hourly Meter Data for Heat Pump Identification and Agent-Based Modeling in Utility Planning</i>	Aidan	Dwyer	Duqlight
6	<i>It's a Brave New World: Keeping Ratepayer Funded Energy Efficiency Relevant</i>	Rafael	Friedmann	
6	<i>Unlocking Access Through Data Sharing and Proactive Categorical Eligibility</i>	Jessica	Ariel-Wamata	Promise
6	<i>Scaling Dynamic Pricing: What Can We Squeeze Out of Today's Pilots?</i>	Jingjing	Liu	Lawrence Berkeley National Laboratory

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6	<i>Mapping the Future of Electrification in the Context of Evolving Policies and Market Drivers: A Case Study in Seattle, WA</i>	Mazen	Daher	EPRI
6	<i>New Terrain: Accounting for Community Benefits in Power System Planning</i>	Scott	Reeves	Energy Futures Group
7	<i>Embedding equity in market transformation through a participatory engagement approach</i>	Rachel	Good	CalMTA
7	<i>The Promise and Progress of Minnesota's Statewide Market Transformation Program</i>	Emily	McPherson	MNCEE
7	<i>Connecting the Dots: How Utility Data Access Enables Building Performance Success</i>	Dan	Streit	Slipstream
8	<i>Love and Heat Pumps</i>	Dave	Houghton	Avila Partners
8	<i>Lost in Translation: Lessons from expanding language access to program evaluation</i>	Ignacio	Obejero-Paz	Eversource
8	<i>The Impact of Weatherization on Unhealthy Indoor Temperature and Humidity</i>	Michaela	Marincic	Three Cubed
8	<i>Unlocking Access: Barriers and Opportunities for Public Agencies in Energy Efficiency Retrofits</i>	Sulma	Hernandez	LA County
9	<i>Dude Where's My Resilience: The Case for Resilience Benefit Valuation in Energy Code Cost-Effectiveness</i>	Tristan	Grant	New Buildings Institute
9	<i>City of Boulder – Policy Scan and Decarbonization Roadmap</i>	Anuradha	Kadam	Arup
9	<i>From Zero to Hero, How to Get Started with BPS and Comply with Flying Colors</i>	Mazen	Daher	EPRI
10	<i>Decarbonizing Manufactured Housing: Lessons from Equity-Focused Projects Navigating Technical and Systemic Barriers</i>	Meghan	Harwood	VEIC
10	<i>Field Performance and Policy Implications of All-Electric Manufactured Homes in Hot Climates</i>	Agatha	Kazdan	EPRI
10	<i>Electrification in Mobile and Manufactured Housing: Barriers and Opportunities</i>	Christopher	Read	CA
10	<i>One Energy Code After Another: Barriers to Zero-Carbon New Construction</i>	Rhys	Davis	Resource Refocus
10	<i>Partnership in Practice: A Replicable Approach to Energy Code Advancement</i>	Angela	Peterson	MNCEE
11	<i>Pick One or Both - Contrasting and Combining HPWH load Control Approaches</i>	Stephan	Barsun	Verdant Associates
11	<i>The Part-Load Problem (and Several Solutions)</i>	Alan	Meier	Lawrence Berkeley National Laboratory
11	<i>Whole-Home Automated DR: A Home Run for Utilities and Their Customers?</i>	Barend	Dronkers	Energy350
11	<i>Optimal Operation of Residential High Performance Water Heater Control for Reduction of Electricity Cost and Peak Demand Through Field Validation</i>	Guodong	Liu	Oak Ridge National Laboratory
11	<i>Advancing Smart Home Optimization for Demand Flexibility: Are We There Yet?</i>	Mark	Martinez	Southern California Edison

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11	<i>Rate Rhythms: Orchestrating Solar, Storage, and Load Shifting under Dynamic Pricing</i>	Lauren	Robinson	Verdant Associates
12a	<i>Building Codes and Policy Pathways for Energy Resilience in Wilmington, Delaware</i>	Shaleen	Munuhe	
12a	<i>Energy Efficiency and Wildfire Mitigation: Surprise Synergy?</i>	Jess	Kincaid	Pacific Northwest National Laboratory
12a	<i>Designing for Adoption: Implementing Digital Code Enforcement in Resource-Constrained Communities</i>	Ryan	Colker	ICC Safe
12a	<i>Breaking Down Barriers: Unlocking the Potential of Weatherization and Electrification in New England's Homes</i>	Annemarie	Eastwood	Guidehouse
12a	<i>Beyond Low Hanging Fruit: Recovery, Renewal, and Residential Efficiency in the Merrimack Valley</i>	Liss	Reichart	Mass Gov
12a	<i>Massachusetts Commercial Energy Storage Program Deployment for Resilient Communities</i>	Jane	Marsh	Cadmus
12a	<i>Respiratory Riddles: Untangling How Home Weatherization Impacts Asthma and Respiratory Health</i>	Bruce	Tonn	ThreeCubed
12b	<i>Integrating Edge Data Centers: Addressing Growth and Interconnection Challenges</i>	Aditie	Garg	National Renewable Energy Laboratory
13a	<i>The Smart Building Hierarchy of Needs - A New Framework for Modernizing Building Automation Systems & Processes</i>	Brian	Clark	USACE
13a	<i>Workforce Training of Advanced Controls for High Performance HVAC Systems: Curriculum Development, Implementation, and Lessons Learned</i>	Armando	Casillas	Lawrence Berkeley National Laboratory
13a	<i>PDI: Boosting Affordability for Utility Customers Through Contractor Incentives</i>	Emily	Kubiak	SNOPUD
13a	<i>Stay Tuned: Emerging HVAC Business Models that Enable Commissioning</i>	Alison	Shereda	Pacific Northwest National Laboratory
13a	<i>Data Center High Temperature Liquid Cooling and Heat Reuse Techno-Economic Study</i>	Shanti	Pless	National Renewable Energy Laboratory
13a	<i>A Flight Simulator for Buildings: New Interactive Tools to Train the Incumbent Workers and Next-Generation Facilities Engineers</i>	Paul	Lazlo	Lawrence Berkeley National Laboratory
13a	<i>Building a Resilient Workforce: Skills and Success in Commercial Building Operations</i>	Melissa	Sokolowsky	Northwest Energy Efficiency Council
13b	<i>A Roadmap to 10x: Increasing the Production and Affordability of "Climate-Ready" and "Climate-Friendly" Homes in California</i>	Kyle	Konis	
13b	<i>Affordable and Scalable Modular Multifamily Housing: A Case Study on Cost and Construction Time Savings in California</i>	Thibault	Marzullo	National Renewable Energy Laboratory