

PANEL 14: POSTER PRESENTATIONS (Meeting Room: Merrill Hall)**Panel Leader: Kristen Parrish**

TUESDAY, AUGUST 23 4-6 PM	
POSTER TITLE	AUTHOR
<i>DSM benefits all financially! – We just have to show a more complete picture of the DSM financials!</i>	Ali Bozorgi, ICF
<i>Laboratory Performance Assessment of High Efficiency Refrigerated Display Cases with Low GWP Refrigerants</i>	Ramin Faramarzi, National Renewable Energy Laboratory
<i>Benchmark Datasets Development and Applications</i>	Tianzhen Hong, Lawrence Berkeley National Laboratory
<i>A New Disaster-Resistance Construction Tool in the Building America Solution Center</i>	Theresa Gilbride, Pacific Northwest National Laboratory
<i>Healthy Homes and Occupant Comfort: The Hidden Benefits of Energy Retrofit</i>	Samuel Rosenberg, Pacific Northwest National Laboratory
<i>Data Highlights from the 2018 Commercial Building Energy Consumption Survey (CBECS)</i>	Presented by: Tuncay Alparslan, U.S. Energy Information Administration (Lead: Joelle Michaels, U.S. Energy Information Administration)
<i>Energy in Design: Toward Performance-based Recognition in Architectural Design Awards</i>	Christopher Meek, University of Washington
<i>Bridging the Knowledge Gap on Advanced Building Controls</i>	Dave Vigliotta, Slipstream
<i>Affordable, All-electric Cold Climate Homes: a Look Inside the Winning 2021 Solar Decathlon Build Challenge House</i>	Jennifer Scheib, University of Colorado, Boulder
<i>The Policy Mullet: Good Intentions in Front, Bad Policy in Back</i>	Christopher Payne, Lawrence Berkeley National Laboratory
<i>High Rise Low Carbon; Office Deep Retrofit Profiles</i>	Richard Yancey, Building Energy Exchange
<i>Testing the Waters: Why Challenging Department of Energy Assumptions is Vital for Our Energy Future</i>	Kayla Kirksey, Evergreen Economics
<i>Helping cities efficiently navigate building decarbonization around the world</i>	Kayla Rakes, World Resources Institute
<i>Residential Modeling Enhancements to Identify Least-Cost Pathways to Net Zero Carbon Homes</i>	Ben Polly, National Renewable Energy Laboratory
<i>Designing for Accessibility: Lessons from User Experience Research</i>	Katie Cary, TRC
<i>Recruitment for Representative In-Home Research During COVID-19: Strategies and Lessons Learned from the Front Line</i>	Kevin Price, Evergreen Economics
<i>From Purchasing to Viewing – Tuning in to Customer Practices with Televisions</i>	Presented by: Liandra Chapman, Evergreen Economics (Lead: Jenny Hughes, Evergreen Economics)
<i>The Lost World of Energy Savings: Part III</i>	Matt Tyler, Pacific Northwest National Laboratory
<i>The Case for Holistic Energy Efficiency Programs, featuring the City of Pomona</i>	Rachel Pennington, The Energy Coalition
<i>Everyone's a Winner!</i>	Amy Buege, Verdant Associates

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TUESDAY, AUGUST 23 4-6 PM (continued)

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<i>Advancing Equity, Urban Resilience and Energy Savings Through Heat Mitigation Strategies</i>	Samarth Medakkar, Midwest Energy Efficiency Alliance
<i>The Many Faces of HVAC Performance through TSPR</i>	Supriya Goel, Pacific Northwest National Laboratory
<i>A Brick Enabled and Mortar Tested Application to Detect Passing Valves in Hot Water Distributions Systems</i>	Carlos Duarte Roa, Center for the Built Environment, University of California, Berkeley
<i>Watt are they waiting for? Potential and Barriers to Decarbonizing Commercial New Buildings</i>	Keith Rivers, Evergreen Economics
<i>Quantifying the community health impacts of delayed commercial energy code adoption</i>	Madison Johnston, Midwest Energy Efficiency Alliance
<i>High-bays, Hangars, and Hoops: Validating Wireless Lighting Controls for Military Installations</i>	Bryan Urban, Fraunhofer USA
<i>How Much Green are We Talking About? – Estimating Customer Bill and Green House Gas Impacts from DR Load Increase and Decrease Event</i>	Presented by William Marin, Verdant Associates (Lead: Lauren Robinson, Verdant Associates)
<i>Building Resilient Communities through Equitable Financing Strategies</i>	Patrick Ngo, Lincus, Inc.
<i>Battery storage behavior – cutting through the hype with real world data</i>	Brian McAuley, Verdant Associates
<i>Price-Based Grid Coordination</i>	Bruce Nordman, Lawrence Berkeley National Laboratory
<i>Development of an empirically calibrated calculator to predict air sealing savings using the Alberta Air Infiltration Model – An effective tool for a Performance-based Air Sealing Program</i>	Sooria Narsiah, Summerhill Group
<i>“If One GEB is Good, a Community of GEBs is Better”</i>	Presented by Cindy Regnier, Lawrence Berkeley National Laboratory (Lead: David Nemptzow, U.S. Department of Energy)
<i>How to Build a Connected Community: Government Policies to Promote GEBs</i>	David Nemptzow, U.S. Department of Energy
<i>The challenges and opportunities to electrify service hot water and cooking appliances in commercial kitchens: lessons learned from reach code cost effectiveness analysis</i>	Jingjuan Dove Feng, TRC Companies, Inc.
<i>Some like it hot – but well-insulated is better</i>	Glenn Gavi, DNV
<i>Building Energy Efficiency Policy and Social Innovation: the Green Remodeling Project in South Korea</i>	Soojin Shin, University of Delaware
<i>What is Inclusive Utility Investment for Site-specific Energy Upgrades, and What Can We Learn from Reported Field Experience</i>	Jill Ferguson, LibertyHomes

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THURSDAY, AUGUST 25 4-6 PM	
POSTER TITLE	AUTHOR
<i>Connecticut Department of Energy Home Energy Score Initiative</i>	John Karyczak, Avangrid
<i>Celebrating 20 Years of Advancing the Buildings Industry</i>	Holly Carr, National Renewable Energy Laboratory
<i>Implementing an Eclipse VOLTTRON-based Software Platform to Make a Building "Grid-Interactive"</i>	Presented by Scott Hackel, Slipstream (Lead: Xiaohui Zhou, Slipstream)
<i>Revisiting Zion: Evaluating Passive Design Strategies for Net Zero Ambitions</i>	Zachary Berzolla, MIT
<i>Home Work: How Students Designed a Net-Zero Energy Tiny House</i>	Mariana Sanchez, Western Washington University
<i>Expanding outreach and services to low-income communities</i>	Jean Perez, Oncor Electric Delivery
<i>Building Blocks of Whole Facility Savings Analytics Platform</i>	Abigail Hotaling, VEIC
<i>Comparing Wall Retrofit Systems by Performance, Cost and Constructability</i>	Presented by Cheryn Metzger, Pacific Northwest National Laboratory (Lead: Patti Gunderson, Pacific Northwest National Laboratory)
<i>Almost DIY: Nonintrusive Way to Make Your Home Grid Integrated</i>	Michael Zeifman & Hannah Fontenot, Fraunhofer
<i>It's Getting BETR: The Building Electrification Technology Roadmap</i>	Alexi Miller, New Buildings Institute
<i>There's Underserved Customers in Them There Hills: Identifying and Understanding the Needs of Underserved Communities</i>	Joe Van Clock, Apex Analytics
<i>The New Grid Demands Flexibility: How Utility Programs Can Encourage Buildings to Play an Active Role in Grid Transformation Through Demand Flexibility</i>	Alexi Miller, New Buildings Institute
<i>Building a framework to support geographically focused efforts to support peak demand reductions, carbon emissions reductions, or increased demand response participation</i>	Presented by Tracy Scott/Andrew Shepard, Energy Trust of Oregon (Lead: Quinn Cherf, Energy Trust of Oregon)
<i>Exploring an Advanced Role for DERs in Ontario's Electricity Market</i>	Ahmed Hanafy, Dunsky Energy + Climate Advisors
<i>Energy Equity Metrics: Examples and Best Practices for Measuring the Impact of Clean Energy Policies and Programs</i>	Roxana Ayala, ACEEE
<i>One size fits none: An analysis of regional differences in building and equipment stock for utility program planning</i>	Maddie Koolbeck, Slipstream
<i>A New Ruleset Application Testing Standard to Support Performance-Path Compliance and Above Code Programs</i>	Amir Roth, U.S. Department of Energy
<i>Digitizing the Manufacturing Process using Industry 4.0 Strategies and Building Systems Optimization</i>	Bhanu Kaini, Eversource Energy

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<i>Increasing Equity for Growers through Strategic Energy Management</i>	Evan Gutierrez, TRC
<i>Is There Gold in Them There Hills? Mining Public Records for Commercial HVAC System Details</i>	Presented by Bretnie Eschenbach, Cadeo Group (Lead: Jonah Hessels, Cadeo Group)
<i>A window into the future of lighting programs</i>	Meryl Compton, Esource
<i>Building Resiliency into Operational Improvements with Combined Heat and Power (CHP) and Microgrids</i>	Rosemary Jojic, Pepco Holdings Inc.
<i>To count or not to count, now that is the question: accounting for pandemic related effects in programs</i>	Santiago Rodriguez-Anderson, SBW Consulting
<i>Development of an Annual Air Handling Unit Fault Dataset for FDD Tools: Lessons Learned and Consideration for FDD Developers</i>	Armando Casillas, Lawrence Berkeley National Laboratory
<i>Building Envelope Campaign - Program Design and Stakeholder Engagement</i>	Anthony Aldykiewicz, Oak Ridge National Laboratory
<i>Identifying Savings Potential for Simple Buildings through Regression-based Modeling Tools</i>	Chitra Nambiar, Pacific Northwest National Laboratory
<i>Engaging a Diverse Workforce in the Building Sciences through the JUMP into STEM Program: Impact Assessment</i>	Presented by Kim Trenbath, National Renewable Energy Laboratory (Lead: Kerry Rippy, National Renewable Energy Laboratory)
<i>Electrification's Massive Opportunity: promote equity or promote a different shade of status quo?</i>	Carl Samuelson, Michaels Energy
<i>NOx, NOx - Who's There? Decarbonizing Buildings through NOx Emissions Standards</i>	Nancy Seidman, Regulatory Assistance Project
<i>History of Residential Energy Code Progress Toward Net-Zero</i>	Rob Salcido, Pacific Northwest National Laboratory
<i>Heat Pumps with Phase Change Thermal Storage: Flexible, Efficient, and Electrification Friendly</i>	Dre Helmns, Lawrence Berkeley National Laboratory
<i>Refrigerated Display Cases – Can They Flex Their Power?</i>	Grant Wheeler, National Renewable Energy Laboratory
<i>Energy Credits Let Energy Codes Break Free from Prescriptive Inertia</i>	Reid Hart, Pacific Northwest National Laboratory
<i>Custom Block Rate Design: A Policy Innovation to Accelerate the Rate and Scale of Energy Efficient Technology Adoption in Facilities</i>	Eric Mazzi, Mazzi Consulting
<i>100% Means Everyone: The Imperative for Inclusive Financial Solutions for Equitable Decarbonization</i>	Holmes Hummel, Clean Energy Works
<i>Understanding electricity use in student apartments: small percentages of residents use disproportionate amounts of electricity</i>	Claudia Bustamante, Clarkson University
<i>An Interactive Data Viewer for a National End-Use Load Profile Dataset Covering All Major Building Types, End Uses, and Geographies</i>	Eric J.H. Wilson, National Renewable Energy Laboratory
<i>Developing a Tool to Quickly Assess a Customer's Readiness for Participation in a Connected Communities Program</i>	Kristen Parrish, Arizona State University