Panel 2: Residential Buildings: Program Design, Implementation, and Evaluation

PANEL LEADERS: Amit Kulkarni, Eversource and Lauren Ross, US Department of Energy

DATE	SESSION	TITLE	LEAD AUTHOR, ORGANIZATION
Mon 8/5	Session 1 8:30 - 10:00 am	Promoting heat pumps in cold climates: comparing strategies.	Elizabeth Font, Cadeo Group
	Deploying High Performance, Cold- climate Heat Pumps	Air Source Heat Pump (ASHP) Case Study – Presentation of In Situ Operational Performance	Peter Klint, Eversource
		Heat Pump Upgrades and their Impact on Household Peak Demand	Brennan Less, Lawrence Berkeley National Laboratory
	Session 2 10:30 am - 12:00 pm	The New Retro – Leveraging IRA incentives in designing home retrofit programs for low-income and beyond	Joe Schambach, ICF
	Effective Program Delivery for Low- income Households	Massachusetts' "Solar Access Program": Design, Implementation and Savings Results for Residential Retrofits Serving Lower Income Homeowners	Gabrielle Stebbins, Center for Sustainable Energy
		Heat Pump Buyers Be Wary: Weighing the Effects of Refrigerants	Rachel Murray, DNV
Tues 8/6	Session 1 8:30 - 10:00 am	La Mora Senior Apartments; The Ups and Downs of Building Passive House, Modular, Affordable Senior Housing	Kara Magoolaghan, The Mulford Corporation
	Delivering Whole	Housing Sustainability Collaborative: Co-Creating Green Financing Solutions for Affordable Housing	Patrick Kelley, Housing Partnership Network
	Building Retrofits in Affordable Multifamily	Getting Past the Doorman: Key Challenges, Solutions, and Findings of a Determined Multifamily Baseline Study Team	Mitt Jones, NYSERDA
	Session 2 10:30 am - 12:00 pm	Integrated approaches to reduce the cost and risk of low income rental decarbonization	Richard Andrulis, Performance Systems Development
		Increasing Uptake of Residential HVAC Commissioning – The Time is Now	Christian Valoria, Pacific Northwest National Laboratory
	for Performance, Cost, and the Environment	Cold hard facts: Contextualizing refrigerant leakage emissions under high residential building electrification	Jared Langevin, Lawrence Berkeley National Laboratory

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Wed 8/7	Session 1 8:30 - 10:00 am	Fossil Fuel Displacement Strategies: How Partial Electrification Can Make Electric Run Buildings Feasible	Rosibel Tavares, Kinetic Communities Consulting
		Getting Heat Pumps Under Control: The Success of the Heat Pump Revolution Requires Getting Heat Pump Sizing and Controls Right	Christian Douglass, Ptarmigan Consulting
		Not Your Parent's Heat Pump: Training and Tools to Size Heat Pumps for Heating	Christian Kaltreider, Pacific Northwest National Laboratory
	Session 2 10:30 am - 12:00 pm	Ready, set, go! Lessons Learned and Innovative Approaches to Capture the Benefits of the Transformational IRA programs.	Danielle Walker, US Department of Energy
	New Opportunities and Challenges in EM&V for Decarbonization	Meeting Customers Where They're At Literally: Virtual Verification as a Carbon-Friendly EM&V Tool for Residential Programs	Matt Rankins, Guidehouse
		Challenges and Performance from Seven Ducted Mini- Split Heat Pump Retrofits	Simon Pallin, Frontier Energy
Thurs 8/8	Session 1 8:30 - 10:00 am	The Price is Right: Aligning Utility Incentives with Decarbonization Goals	Ashley Muspratt, Center for EcoTechnology
	Building Design and Technology to	The design, advancement, prototyping and field testing of scalable technologies and strategies for manufactured homes to decarbonize	Agatha Kazdan, EPRI
	Decarbonize	Defining the Electrical Panel Barrier to Residential Electrification	Douglas Lindsey, EPRI
	Session 2 10:30 am - 12:00 pm	Delivering Low Income Whole Home Retrofits: Consumption Based Targeting for Deep Energy Savings	Bryce Dias, Pacific Gas & Electric Co.
	Making Heat Pumps Work for People:	The Customer Bill Impacts of Efficient Building Electrification	Andrew Satchwell, Lawrence Berkeley National Laboratory
		Combining Energy Star's Brand Recognition with ResStock Modeling to Create a Go-To Heat Pump Savings Estimator	Hamza Zaheer, ICF

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Fri 8/9		Avoiding Locking in Emission through Electrification Readiness	Amy Dryden, Association for Energy Affordability
	Drogram Ctratagy	Electrification Prognostication: A Data-Driven Approach to Predict the Carbon Offset of Ductless Mini-Split Heat Pumps	Patrick Hewlett, DNV
		The value of proactive customer targeting for meeting utility goals	Pranav Gupta, ICF
	I 10:30 am - 12:00 nm	Electrification of Centralized Water Heating in an Affordable Housing Community: Lessons Learned from a Pilot Demonstration	Mazen Daher, EPRI
		Heat Pump Water Heaters - Taking the Emergency out of Emergency Water Heater Replacements	Chris Badger, VEIC
		Factors Influencing Grid-connected Heat Pump Water Heater Performance in the Southeast U.S.	Karen Fenaughty, Florida Solar Energy Center

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