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!	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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DATE	SESSION	TITLE	LEAD AUTHOR, ORGANIZATION				
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				
	Duel Fuel Systems and Integrated Controls for	Getting Heat Pumps Under Control: The Success of the Heat Pump Revolution Requires Getting Heat Pump Sizing and Controls Right	Christian Douglass, Ptarmigan Consulting				
	Heat Pumps in Colder Climates	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	Meeting Customers Where They're At Literally: Virtual Verification as a Carbon-Friendly EM&V Tool for Residential Programs	Matt Rankins, Guidehouse				
	Decarbonization	Challenges and Performance from Seven Ducted Mini- Split Heat Pump Retrofits	James Haile, Frontier Energy				
	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				
Thurs 8/8	Decarbonize	Defining the Electrical Panel Barrier to Residential Electrification	Douglas Lindsey, EPRI				
111015 0/0	Session 2	Delivering Low Income Whole Home Retrofits:	Roberta Brunkalla, Pacific Gas & Electric Co.				
	10:30 am - 12:00 pm	Consumption Based Targeting for Deep Energy Savings					
	Making Heat Pumps	The Customer Bill Impacts of Efficient Building Electrification	Andrew Satchwell, Lawrence Berkeley National Laboratory				
	Work for People: Recommendations for						
	Program Design and	Combining Energy Star's Brand Recognition with ResStock Modeling to Create a Go-To Heat Pump	Hamza Zaheer, ICF				
	Targeting	Savings Estimator					

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DATE	SESSION	TITLE	LEAD AUTHOR, ORGANIZATION				
Fri 8/9		Avoiding Locking in Emission through Electrification Readiness	Amy Dryden, Association for Energy Affordability				
	Program Strategy Targeting for Electrification Readiness	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				
	Session 2 10:30 am - 12:00 pm	Electrification of Centralized Water Heating in an Affordable Housing Community: Lessons Learned from a Pilot Demonstration	Mazen Daher, EPRI				
	Scaling Up Heat Pump Water Heaters	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.	Joshua Butzbaugh, Pacific Northwest National Laboratory				