

**PANEL 10 SESSION SCHEDULE**

**(DRAFT: Subject to change)**

**PANEL 10 - Net Zero: Moving Beyond 1%**

		LEAD AUTHOR/ORGANIZATION	TITLE
Mon 8/13	Session 1 8:30 am - 10:00 am <b>Zeroing in on Schools</b>	Jim Maskrey, University of Hawaii	Second Generation NZE: Inheriting the Good Genes
		Amy Cortese, New Buildings Institute	Zeroing in on Energy Performance in New and Existing Schools
		Paul Torcellini, National Renewable Energy Laboratory	Moving K-12 Zero Energy Schools to the Mainstream--Establishment of Design Guidance and Energy Targets.
	Session 2 10:30 pm - 12:00 pm <b>Trendz in ZE</b>	Chelsea Petrenko, Opinion Dynamics Corp.	A Study of the Zero Net Energy Home Market: How Much Do Homebuyers and Real Estate Market Actors Value Energy Efficiency?
		Jeremy Smith, Itron, Inc.	The Stakeholders Have Spoken: A Crowd-Sourced Perspective on ZNE Technology Gaps and Barriers
		Daniel Gerber, Lawrence Berkeley National Laboratory	Energy and Cost Benefits of DC Power in ZNE Buildings (modeled res and comm)
Tues 8/14	Session 1 8:30 am - 10:00 am <b>Innovating Residential ZE to Scale - Home Runs</b>	Theresa Gilbride, Pacific Northwest National Laboratory	Making Zero Energy Easier: Ingenious Off-the-Shelf Hacks from Real Zero Energy Home Builders
		Sam Rashkin, U.S. Department of Energy	What Did We Learn on the way to 2 Million ENERGY STAR Certified Homes that is Positioning Zero Energy Ready Homes for Exponential Growth?
		Jennifer McWilliams, DNV GL	Manufactured Housing: It is Easy and Enticing, is it Energy Efficient?
	Session 2 10:30 pm - 12:00 pm <b>Residential ZE Programs</b>	Elizabeth Murphy, The United Illuminating Co.	The Path to Zero Energy for Existing Homes
		William Healy, National Institute of Standards and Technology, U.S. Department of Commerce	Net-Zero Homes – It’s about more than energy: a case study of power performance
		Rachel Romero, National Renewable Energy Laboratory	Developing the Next Generation of Net Zero Professionals through the Race to Zero

**PANEL 10 SESSION SCHEDULE**  
**(DRAFT: Subject to change)**

		LEAD AUTHOR/ORGANIZATION	TITLE
Wed 8/15	Session 1 8:30 am - 10:00 am <b>Communities and Carbon</b>	Celia Hoag, DNV GL	ZNE marks the spot! The journey down two roads to 2030: city and utility!
		Angela Sanguinetti, University of California, Davis	Keeping track to stay on track for zero net energy: Modeling building-level and end-use consumption targets for a ZNE community
		Gregory Raffio, Go Sustainable Energy	The Un-tapped Potential of Existing Buildings in the Quest for Carbon Neutrality
	Session 2 10:30 am - 12:00 pm <b>Community Scale ZE</b>	Peter Turnbull, Pacific Gas & Electric Company	The Role of Community Distributed Energy in Zero Net Energy Compliance
		Sarah Zaleski, U.S. Department of Energy	Communities of the Future: Accelerating Zero Energy District Master Planning
		Otto VanGeet, National Renewable Energy Laboratory	University Zero Net Energy: A 2018 progress update in reaching campus energy goals
Thur 8/16	Session 2 8:30 am - 10:00 am <b>International Road to ZE</b>	Carolyn Szum, Lawrence Berkeley National Laboratory	Best Practices from Asia-Pacific Economic Cooperation (APEC) Economies for Scaling Net Zero Energy Buildings
		Siyue Guo, Tsinghua University	Achieving nZEB by promoting suitable energy efficiency measures in urban residential China: Discussion based on Simulation Analysis
		James Connelly, International Living Future Institute	China's Roadmap to Nearly Zero Energy Buildings
	Session 2 10:30 pm - 12:00 pm <b>ZE and Grid Harmonization</b>	Ram Narayanamurthy, Electric Power Research Institute	The concept of Building capacitance: Future proofing high performance and net zero energy buildings to a changing energy network (control and designs for res?)
		Heidi von Korff, Stanford University	The Path to Zero Net Energy and Achieving Zero Net Grid
		Monisha Shah, National Renewable Energy Laboratory	Valuing Energy Efficiency and Distributed Energy Resources in the Built Environment

## PANEL 10 SESSION SCHEDULE

**(DRAFT: Subject to change)**

		LEAD AUTHOR/ORGANIZATION	TITLE
Fri 8/17	Session 1 8:30 am - 10:00 am <b>Bringing ZE to Affordable Housing</b>	Penn Zhao, Electric Power Research Institute	Demonstrated Scalable Deep Energy Retrofits in Low Income Multifamily Housing
		Peter Schneider, Vermont Energy Investment Corporation	Net Zero + Low Income + Innovative Thinking = Residential Energy Efficiency of the Future
		Neil Leslie, Gas Technology Institute	Innovative Zero Net Energy Home Designs for Affordable Housing
	Session 2 10:30 pm - 12:00 pm <b>Looking to the Future</b>	Annie Koch DNV-GL	Clear Skies, Full Pockets, Can't Lose: Utility & Zero Energy ( <i>commercial pilot program at Consumers</i> )
		Robert Best, Arup	An Innovative Approach to Evaluating Energy Efficiency Measures for Zero Net Energy Supermarkets
		Amy Solana, Pacific Northwest National Laboratory	Making Progress toward Net Zero through Scenario Analysis ( <i>US Army</i> )

See Panel 14 for schedule	POSTER	Poster with published paper in Panel 10	
		Max Wei, Lawrence Berkeley National Lab.	Approaches to More Cost-Effective ZNE Homes