

PANEL 10 SESSION SCHEDULE

(FINAL)

PANEL 10 - Net Zero: Moving Beyond 1%

		LEAD AUTHOR/ORGANIZATION	TITLE
Mon 8/13	Session 1 8:30 am - 10:00 am Zeroing in on Schools	Jim Maskrey, University of Hawaii	<i>Second Generation ZNE: Inheriting the Good Genes</i>
		Amy Cortese, New Buildings Institute	<i>Zeroing in on Energy Performance in New and Existing Schools</i>
		Shanti Pless, National Renewable Energy Laboratory	<i>Moving K-12 Zero Energy Schools to the Mainstream--Establishment of Design Guidance and Energy Targets</i>
	Session 2 10:30 am - 12:00 pm Survey Synopsis - ZE Guidance from Consumers and Stakeholders	Chelsea Petrenko, Opinion Dynamics Corp.	<i>A Study of the Zero Net Energy Home Market: How Much Do Homebuyers Value Energy Efficiency?</i>
		Mitch Rosenberg, DNV GL	<i>Here Comes the Sun, Maybe</i>
		Jeremy Smith, Itron, Inc.	<i>The Stakeholders Have Spoken: A Crowd-Sourced Perspective on ZNE Technology Gaps and Barriers</i>
Tues 8/14	Session 1 8:30 am - 12:00 pm Facing New Factors: DC-Peak Power-ZE and the Grid	Daniel Gerber, Lawrence Berkeley National Laboratory	<i>Energy and Cost Benefits of DC Power in ZNE Buildings</i>
		William Healy, U.S. Department of Commerce	<i>Net-Zero Homes – It's about More than Energy: a Case Study of Power Performance</i>
		Monisha Shah, National Renewable Energy Laboratory	<i>Valuing Energy Efficiency and Distributed Energy Resources in the Built Environment</i>
	Session 2 10:30 am - 12:00 pm Commercial Complexities to Get to Zero	Annie Koch, DNV GL	<i>Clear Skies, Full Pockets, Can't Lose: Utility & Zero Energy</i>
		Robert Best, Arup	<i>An Innovative Approach to Evaluating Energy Efficiency Measures for Zero Net Energy Supermarkets</i>
		Amy Solana, Pacific Northwest National Laboratory	<i>Making Progress toward Net Zero Sites in the Army Reserve through Analysis of Multiple Scenarios</i>

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Wed 8/15	Session 1 8:30 am - 10:00 am ZE Communities and Carbon	Rachel Romero, National Renewable Energy Laboratory	<i>Developing the Next Generation of Net Zero Professionals through the Race to Zero</i>
		Angela Sanguinetti, University of California, Davis	<i>Keeping Track to Stay on Track for Zero Net Energy: Modeling Building-Level and End-use Consumption Targets for a ZNE Community</i>
		Gregory Raffio, Go Sustainable Energy	<i>The Un-tapped Potential of Existing Buildings in the Quest for Carbon Neutrality</i>
	Session 2 10:30 am - 12:00 pm Community Scale ZE	Rachel Allen, Pacific Gas & Electric Company	<i>Community Solar Challenges and Solutions: Essential Steps on the Road to ZNE</i>
		Sarah Zaleski, U.S. Department of Energy	<i>Communities of the Future: Accelerating Zero Energy District Master Planning</i>
		Otto VanGeet, National Renewable Energy Laboratory	<i>University Zero Net Energy: A 2018 Progress Update in Reaching Campus Energy Goals</i>
Thur 8/16	Session 1 8:30 am - 10:00 am Home Runs - Getting ZE on Every Base	Sam Rashkin, U.S. Department of Energy	<i>What Did We Learn on the Way to 2 Million ENERGY STAR Certified Homes that is Positioning Zero Energy Ready Homes for Exponential Growth?</i>
		Theresa Gilbride, Pacific Northwest National Laboratory	<i>Making Zero Energy Easier: Ingenious Off-the-Shelf Hacks from Real Zero Energy Home Builders</i>
		Elizabeth Murphy, The United Illuminating Co.	<i>The Path to Zero Energy for Existing Homes</i>
	Session 2 10:30 am - 12:00 pm International Road to ZE	Carolyn Szum, Lawrence Berkeley National Laboratory	<i>Best Practices from Asia-Pacific Economic Cooperation (APEC) Economies for Scaling Net Zero Energy Buildings</i>
		Siyue Guo, Tsinghua University	<i>Achieving nZEB by Promoting Suitable Energy Efficiency Measures in Urban Residential China: Discussion Based on Simulation Analysis</i>
		James Connelly, International Living Future Institute	<i>China's Roadmap to Nearly Zero Energy Buildings</i>

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Fri 8/17	Session 1 8:30 am - 10:00 am Bringing ZE to Affordable Housing	Penn Zhao, Electric Power Research Institute	<i>Technical and Economic Evaluation of the Replicable and Scalable Near-Zero Net Energy Deep Retrofits for Low-Income Communities</i>
		Jennifer McWilliams, DNV GL	<i>Manufactured Housing: It is Easy and Enticing, is it Energy Efficient?</i>
		Peter Schneider, Vermont Energy Investment Corporation	<i>Net Zero + Low Income + Innovative Thinking = Residential Energy Efficiency of the Future</i>
	Session 2 10:30 am - 12:00 pm Building Next Gen Students and Homes - How All - Elec and Mixed-Fuel ZE Compares	Neil Leslie, Gas Technology Institute	<i>Innovative Zero Net Energy Home Designs for Affordable Housing</i>
		Max Wei, Lawrence Berkeley National Lab.	<i>Approaches to More Cost-Effective ZNE Homes</i>
		No presentation	