

PANEL 5 SESSION SCHEDULE

(FINAL)

PANEL 5 - Codes and Standards

		LEAD AUTHOR/ORGANIZATION	TITLE
Mon 8/13	Session 1 8:30 am - 10:00 am Pouring Foundations for Codes and Standards	Josh Butzbaugh, Pacific Northwest National Laboratory	<i>Understanding the U.S. Commercial Building Stock: Building Envelope and Mechanical Systems Characteristics Using 2012 CBECS Data Analysis</i>
		Kelly Cunningham, Pacific Gas & Electric Company	<i>Zero Net Energy: 7,000 kWh/yr to Near Zero in 12 Years Flat</i>
		Michael Tillou, Atelier Ten	<i>Parametric Analysis to Evaluate ASHRAE 90.1-2016 Performance-Based Compliance</i>
	Session 2 10:30 am - 12:00 pm New Metrics for Better Building Codes	Duane L. Jonlin, City of Seattle	<i>The Total System Performance Ratio</i>
		Jim Edelson, New Buildings Institute	<i>Taking the (Fuel) Blinders off Energy Codes</i>
		Brendon Levitt, University of California, Berkeley	<i>Beyond Window to Wall Ratio: Making the Good Possible</i>
Tues 8/14	Session 1 8:30 am - 10:00 am Making Code Compliance Easy & Enticing	Chris Burgess, Midwest Energy Efficiency Alliance	<i>Derby Reins and Midnight Trains: Improving Residential Energy Code Compliance in Kentucky and Georgia</i>
		Russ Landry, Center for Energy and Environment	<i>Results from Commercial Energy Code Compliance Pilot Program with Plan Review Services</i>
		Amber Watkins, DNV GL	<i>Scofflaw State: Quantifying HVAC Permit Rates and Energy Efficiency for Residential Changeouts in California</i>
	Session 2 10:30 am - 12:00 pm Codes & Standards: Do They Work?	Reid Hart, Pacific Northwest National Laboratory	<i>Are Energy Controls Delivering Real Savings?</i>
		Bing Liu, Northwest Energy Efficiency Alliance	<i>Let the Good Times Roll – Energy Code Savings into the Future</i>
		Brian Stickles, ACEEE	<i>Jobs Impact of General Service Lamps</i>

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		LEAD AUTHOR/ORGANIZATION	TITLE
Wed 8/15	<p>Session 1 8:30 am - 10:00 am What's Next? Creating a Path Forward for Codes</p>	John Jennings, Northwest Energy Efficiency Alliance	<i>Market Transformation Strategies for Commercial Code Enhancement</i>
		Diana Hun, Oak Ridge National Laboratory	<i>Airtightness of Commercial Building Envelopes: Where are We and Where Could We Go?</i>
		Alex Chase, 2050 Partners, Inc.	<i>Appliance Standards: Tactical Planning to Maximize Federal Savings and Legislative Priorities to Re-Enable State Leadership</i>
	<p>Session 2 10:30 am - 12:00 pm Get Smart with Smarter Test Procedures</p>	Gregg Hardy, Pacific Crest Labs	<i>Smart Devices Require Smarter Test Methods – the TV Example</i>
		Ryan Firestone, SamDiego Consulting	<i>A Realistic Measure of Residential Clothes Dryer Performance</i>
		Joanna Mauer, Appliance Standards Awareness Project	<i>Moving to Load-based Testing to Capture Greater Savings</i>
Thurs 8/16	<p>Session 1 8:30 am - 10:00 am Climate Mitigation & Resiliency through Building Codes</p>	Meg Waltner, Arup	<i>Designing for the Future: Are Today's Building Codes Locking in the Wrong Strategies by Using Past Climate Data?</i>
		Jenn Fox, 2050 Partners	<i>Embodied Energy in Building Codes: How Do We Assess and Harness the Savings?</i>
		Heidi Hauenstein, Energy Solutions	<i>The Real Deal: Improving Building Ratings with System or Device Level Energy Use Data</i>
	<p>Session 2 10:30 am - 12:00 pm Make It Easy: Simplifying Codes for Better Compliance</p>	Amir Roth, U.S. Department of Energy	<i>Rulesets are Great. Certified Rulesets are Greater.</i>
		Dimitri Contoyannis, NORESKO	<i>ZNE Codes: Getting There with Performance Trade-offs</i>
		Mark Lyles, New Buildings Institute	<i>Stretch Codes on the Road to Zero Energy – Potholes and Speed Traps Ahead</i>

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Fri 8/17	Session 1 8:30 am - 10:00 am Law & Policy	Hans-Paul Siderius, Netherlands Enterprise Agency	<i>Do Voluntary Agreements for Appliance Efficiency Deliver?</i>
		Jen Amann, ACEEE	<i>Ahead of the Curve: Proactive Policies to Address Energy Consumption in the Cannabis Industry</i>
		Michael McGaraghan, Energy Solutions	<i>The 11th Hour for General Service Lamps; The 10 Year Battle Over the Incandescent Phase-out Turns to the Court Room</i>
	Session 2 10:30 am - 12:00 pm Emerging Issues: Surgical Suites, Electric Vehicles, & Wireless Power	Aaron Conger, Michaels Energy	<i>Safe, Comfortable, and Efficient: Pick Two? - Navigating Code Compliance and Energy Efficiency for Surgical Suites</i>
		Ed Pike, Energy Solutions	<i>Driving Plug-in Electric Vehicle Adoption with Green Building Codes</i>
		Suzanne Foster Porter, Kannah Consulting	<i>Wireless Power for Residential Devices: What is the Energy Penalty of Cutting the Cord?</i>

See Panel 14 for schedule	POSTERS	Posters with published papers in Panel 5	
		Rory Cox, California Public Utilities Commission	<i>Avoiding the Unintended Consequences of a Zero Net Energy Building Code</i>
		Jeremy Williams, U.S. Department of Energy	<i>Things Aren't As Bad (or Good) as They Seem: Lessons from the DOE Residential Energy Code Field Studies</i>
		Alyssa Na'im, NMR Group, Inc.	<i>Polishing a Hidden Gem: A Novel Evaluation Method for Energy Codes & Standards Programs</i>
		Chris Perry, ACEEE	<i>Updating Rating Methods to Better Reflect Equipment Performance</i>