

**PANEL 4: COMMERCIAL BUILDINGS: PROGRAM DESIGN, IMPLEMENTATION, AND EVALUATION**

**(Meeting Room: Evergreen)**

**Panel Leaders: Sharyn Barata and Sarah Zaleski**

<b>MONDAY, AUGUST 22</b>	<b>SESSION 1 (8:30 am - 10:00 am)</b>	<b>TUESDAY, AUGUST 23</b>	<b>SESSION 1 (8:30 am - 10:00 am)</b>
	<b>Zooming Out - Insights Gained through Birdseye View Look at Programs</b>		<b>Evolving Pathways to Decarbonize Buildings</b>
	<i>Two Decades of ENERGY STAR® - A Retrospective Study of EPA's ENERGY STAR Buildings Score and Certification</i> Bill Von Neida, U.S. Environmental Protection Agency		<i>No Reservations - Hotels See the Benefits of Energy Management Systems</i> Vestal Tutterow, Lawrence Berkeley National Laboratory
	<i>Evaluating Workforce Programs – Toward Designing More Effective and Creative Interventions</i> Riana Johnson, Illume Advising		<i>Architects, Engineers, and Contractors—Key to Moving towards a Zero Carbon Future</i> Paul Torcellni, National Renewable Energy Laboratory
	<i>Interactions between Demand Flexibility and Energy Efficiency: The Opportunity Cost of Saved Energy</i> Imran Sheikh, Western Washington University		<i>B-Y-E to C-H-P - How One C&amp;I Program Evolved to Support Decarbonization</i> Jake Fuller, EcoMetric Consulting
	<b>SESSION 2 (10:30 am - 12:00 pm)</b>		<b>SESSION 2 (10:30 am - 12:00 pm)</b>
	<b>Transitioning Policy into Program Design</b>		<b>Innovations in Commercial Program Evaluation</b>
	<i>Accelerating State-wide Benchmarking Laws into Programs of the Future</i> Presented by: Beth Robinweiler, Puget Sound Energy and Samantha Ip, Stillwater Energy (Lead Author: Chad Gillless, Stillwater Energy)		<i>All About That Base...line - An Evaluation of Demand Response Baseline Performance for Generation and High Frequency Event</i> Ethan Barquest, Verdant Associates
<i>Maximizing Public Sector Energy Efficiency Programs: Adapting to Policy through Innovative Design</i> Pranesh Venugopal, The Energy Coalition	<i>Enhancing California's NMEC Programs; Technical Reviewer's Perspective</i> Arash Kialashaki, Pacific Gas & Electric Company		
<i>Building Performance Standards: A Lifecycle Approach to Building Decarbonization</i> Harry Bergmann, U.S. Department of Energy	<i>CalTRACK and Commercial Buildings: Confronting COVID and Other Non-Routine Events</i> Stephanie Bieler, Demand Side Analytics		

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<b>WEDNESDAY, AUGUST 24</b>	<b>SESSION 1 (8:30 am - 10:00 am) <span style="color: red;">SESSION TO BE BROADCASTED</span></b>	<b>THURSDAY, AUGUST 25</b>	<b>SESSION 1 (8:30 am - 10:00 am)</b>
	<b>Time to Flex - Toning up EE, Flexibility, and Demand Response</b>		<b>New Approaches for Serving Hard-to-Reach Commercial Markets</b>
	<i>When Do Efficiency and Demand Flexibility Go Hand-in-hand?</i>		<i>Investing in Main Street: an Energy Program to Support Small Businesses in Disadvantaged Communities</i>
	<i>Jingging Liu, Lawrence Berkeley National Laboratory</i>		<i>Carolyn Greer, Tennessee Valley Authority</i>
	<i>Comparative Analysis and Trends of Energy Efficiency and Demand Management Program Budgets and Savings Impact Across the U.S.</i>		<i>Opportunities to Decarbonize Small Commercial Buildings</i>
	<i>Ian Metzger, TRC Companies</i>		<i>Kassandra Grimes, U.S. Department of Energy</i>
	<i>Demand FLEXmarket — Creating a Market Access Model to Unleash Solutions Providers and Scale Demand Flexibility</i>		<i>Developing an Online Application that Puts the Customers and the Utility First</i>
	<i>Carmen Best, Recurve</i>		<i>Katie Cary, TRC</i>
	<b>SESSION 2 (10:30 am - 12:00 pm)</b>		<b>SESSION 2 (10:30 am - 12:00 pm)</b>
	<b>People Power - Recognizing and Harnessing the Human Dimension</b>		<b>Equitably Expanding Access to Commercial Energy Opportunities</b>
<i>Tunnel Vision: The Impact of Ignoring Behavior in Technological Innovation</i>	<i>Understanding Commercial Building Performance, Electrification, and the Use of Renewable Energy in Socially Vulnerable Communities</i>		
<i>Jes Rivas, ILLUME Advising</i>	<i>Tracey Narel, US EPA</i>		
<i>Ignorance is BAS: How EMS/BAS Operator Knowledge Can Impact Performance</i>	<i>Market Transformation through Equal Impact of 179D</i>		
<i>Christopher Dyson, DNV</i>	<i>Ryan Meyer, National Renewable Energy Laboratory</i>		
<i>Observational Research Methods for Evaluating Emerging Technologies for the Built Environment</i>	<i>DEI: More than a Residential Framework, It's a Roadmap for Energy Equity</i>		
<i>Ruth Taylor, Pacific Northwest National Laboratory</i>	<i>Chad Gilless, Stillwater Energy</i>		

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FRIDAY, AUGUST 26	<b>SESSION 1 (8:30 am - 10:00 am)</b>
	<b>Emerging Technologies for Evolving Market Needs</b>
	<i>Advanced Lighting Systems in Smart Buildings: Findings and Lessons Learned from the U.S. Department of Energy Integrated Lighting Campaign and 10 Field Evaluations</i>
	<i>Felipe Leon, Pacific Northwest National Laboratory</i>
	<i>New Product Development: How to Keep the DSM Product Pipeline Flowing</i>
	<i>Jeremy Kraft, TRC</i>
	<i>A Bigger Bang for Your Efficiency Program Buck: How Helping Customers Reduce Refrigerant Emissions Helps the Climate &amp; Utility Energy Efficiency Programs Too.</i>
	<i>Kristen Taddonio, Institute for Governance &amp; Sustainable Development</i>
	<b>SESSION 2 (10:30 am - 12:00 pm)</b>
	<b>Diving Deep: Sector-Specific Insights on High-Impact Opportunities</b>
<i>Innovative Kitchen Management Application Test and Learn Project</i>	
<i>Liza Legaspi, Southern California Gas Company</i>	
<i>Driving Deeper Operational Savings in SMB Facilities through Virtual Commissioning Using Real-Time, 1-Minute Interval Energy Usage Data</i>	
<i>Rick Tonielli, ComEd</i>	
<i>Towards Climate-smart Hospitals: Insights from India's First Nationwide Hospital Energy Survey</i>	
<i>Akash Goenka, Alliance for an Energy Efficient Economy</i>	