

PANEL 4 SESSION SCHEDULE

(FINAL)

PANEL 4 - Commercial Buildings: Program Design, Implementation, and Evaluation

| | | LEAD AUTHOR/ORGANIZATION | TITLE |
|-----------|---|--|---|
| Mon 8/13 | Session 1 8:30 am - 10:00 am Wait! Lighting Isn't Finished! | Mary Yamada, Navigant | <i>Lighting Isn't Finished: Pivoting beyond the LED Bulb</i> |
| | | Dan Mellinger, Energy Futures Group | <i>Getting to 50: How Vermont Plans to Reach 50% Market Adoption of Linear LED by 2025</i> |
| | | Jessica Aiona, Bonneville Power Administration | <i>Reality Check: Using Market Analysis to Illuminate Non-residential Lighting Opportunities</i> |
| | Session 2 10:30 am - 12:00 pm Moving Beyond Lighting: Diversifying the Measure Mix | Lark Lee, Tetra Tech, Inc. | <i>Easing Away from Just Lighting: Effectively Diversifying the Commercial Measure Mix</i> |
| | | Jeannette LeZaks, Seventhwave | <i>The Treasures You Find after the Lights Go Out: Non-lighting Savings Opportunities in the Small Commercial Sector</i> |
| | | Meegan Kelly, ICF | <i>A National Review of Combined Heat and Power Programs in Utility Energy Efficiency Portfolios</i> |
| Tues 8/14 | Session 1 8:30 am - 10:00 am Diving Deep: Encouraging Comprehensive EE | Cynthia Regnier, LBNL | <i>Beyond Widgets – Deploying System Incentive Programs for Utilities, Current and Future Directions</i> |
| | | Greg Thomas, Performance Systems Development, Inc. | <i>Making Commercial Whole Building Program Delivery Easier and Less Risky</i> |
| | | Chris Smith, Energy 350 | <i>Pay for Performance Case Study – 3 Years of Performance</i> |
| | Session 2 10:30 am - 12:00 pm Diving Deep II: Metering vs. Modeling | Faith DeBolt, SBW Consulting | <i>Calibrated Simulation or Meter-Based Analysis? Determining the Best Approach for Estimating Whole Building Savings</i> |
| | | Jess Burgess, CEE | <i>A Comparative Analysis of Customer Success Factors in Meter Data-Driven Whole Building Programs</i> |
| | | David Jump, kW Engineering | <i>Best Practices for the Design, Implementation and Evaluation of Commercial Whole Building Programs</i> |

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|------------|--|--|---|
| Wed 8/15 | Session 1 8:30 am - 10:00 am Hitting the Bullseye: Using Data to Target Customers | Tim Sennott, DNV GL | <i>Opening the Door: Analytical Deep Dives to Create Customer-Focused Dialogue on Cost Effective Energy Efficiency Program Outcomes</i> |
| | | Michael Authier, Fort Collins Utilities | <i>Advancing Efficiency Initiatives with Data: Simple, Scalable, and Affordable Strategies for Wrangling Complex Datasets</i> |
| | | Frances Dahlquist, PG&E | <i>Magic Powers: Customer Targeting with Machine Learning</i> |
| | Session 2 10:30 am - 12:00 pm Just in Time: Approaches to Real-time Evaluation | Megan Campbell, Opinion Dynamics | <i>A Developmental Approach: Realizing the Value in Evaluation</i> |
| | | Teri Lutz, Michaels Energy | <i>Beyond Traditional Evaluation for Systems-based Program Designs</i> |
| | | Joe Dolengo, National Grid | <i>Into the Great Wide Open: A Comparison of M&V 2.0 and Traditional Evaluation Methods for a Small Business Direct Install Program</i> |
| Thurs 8/16 | Session 1 8:30 am - 10:00 am On the Road to Zero Net Energy: Program Learnings and Results | Arash Kialashaki, Lincus, Inc. | <i>Enhancing Savings By Design Program; Technical Reviewer's Perspective</i> |
| | | Peter Turnbull, Pacific Gas & Electric Company | <i>Lessons Learned from a Zero Net Energy Prop 39 School Retrofit Pilot</i> |
| | | Cindy Strecker, CLEAResult | <i>Lessons in Seeing the First Net Zero Ready Buildings through the Finish Line: A Program's Critique</i> |
| | Session 2 10:30 am - 12:00 pm Don't You Forget about Me: Reaching Small-Medium Businesses | Christine Del Priore, Agentis Energy | <i>Understanding Efficiency Opportunities: How Multi-Pronged Touch Points Educate and Enhance SMB Customer Satisfaction of Utility Energy Efficiency Programs</i> |
| | | Danielle Marquis, AM Conservation Group, Inc. | <i>Collaboration, Analytics & Innovation: Small Business Programs 2.0</i> |
| | | Rachael Sherman, Arizona State University | <i>Identifying Stakeholders' Decisions and Efficiency Measures for Small Commercial Buildings: A Review of 30 Case Studies</i> |

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|---|--|--|---|
| Fri 8/17 | Session 1 8:30 am - 10:00 am Non-Energy Benefits: Capturing Value Beyond Energy | Morgan Hood, VEIC | <i>The Customer is Always Right: How Design Thinking Saved a Dim Lighting Program</i> |
| | | Lisa Skumatz, Skumatz Economic Research Associates, Inc. | <i>State Treatment of NEBs in Cost-Effectiveness Tests – Dominos for Reducing Bias in Consideration of EE as a Resource</i> |
| | | Noel Stevens, DNV GL | <i>You can have Your Cake but can't Eat It Too...We're all Happy to Count NEI's but Let's Only Count Them Once</i> |
| | Session 2 10:30 am - 12:00 pm Going Hand-in-Hand: City and Community Engagement | Marta Schantz, Waypoint Energy | <i>All-Hands-on-Deck Community Engagement Approach to Achieve Utility Efficiency Savings Goals</i> |
| | | Kelly Crandall, Institute for Market Transformation | <i>"It is amazing what you can accomplish if you do not care who gets the credit": Creating Alignment Between Cities and Utility Energy Efficiency Programs</i> |
| | | Anna Weingord, Urban Green Council | <i>NYC Large Buildings Reduce Energy Use and Cut Emissions from 2010 to 2015</i> |
| Posters with published papers in Panel 4 | | | |
| See Panel 14 for schedule | POSTERS | Emily Pearce, Waypoint Building Group | <i>Getting Ahead of the Savings Curve: Utility Pay-For-Performance Program Design for Commercial Real Estate Customers</i> |
| | | Barry Hooper, Department of Environment, City of San Francisco | <i>The BayREN Integrated Commercial Retrofits Project: An Introduction and Preliminary Results</i> |
| | | Zhiqin Zhang, DNV GL | <i>Using Machine Learning to Tackle Uncertainty of Deemed Savings</i> |
| | | Jeff Ihnen, Michaels Energy | <i>Embedded Evaluation and Data Mining to Increase Audit Conversions</i> |
| | | Eric Boxer, Go Sustainable Energy, LLC | <i>More Reasons Why Outcome-Base Rebates and Changes to M&V are Needed for Proper New Construction Efficiency Accountability</i> |
| | | Julian Ricardo, NMR Group | <i>Time to Move On: An Examination of Metering Periods for Small Business Direct Install Participants</i> |
| | | Michelle Lichtenfels, Bonneville Power Administration | <i>Preparing for Illumageddon: A Survivalist's Guide</i> |
| | | Robert Gugliemetti, National Renewable Energy Laboratory | <i>Large-scale Daylighting Analysis for Buildings, Products, and Policy</i> |
| | | Charles Ampong, Navigant | <i>Towards the End of the Lighting Tunnel: The End-uses that Matter</i> |