# 2023 National Conference on Energy Efficiency as a Resource

**PROGRAM**

DoubleTree by Hilton Philadelphia Center City ● Philadelphia, PA ● October 16–18

### Monday, October 16

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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>9:00 am–7:00 pm</td>
<td>Registration</td>
<td>Overture</td>
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<tr>
<td>10:00 am–5:00 pm</td>
<td>Industrial Heat Pumps Workshop <em>(preregistration required)</em></td>
<td>Maestro</td>
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<tr>
<td>1:00–5:00 pm</td>
<td>Climate-Forward Efficiency Workshop <em>(preregistration required)</em></td>
<td>Orchestra</td>
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<tr>
<td>5:00–7:00 pm</td>
<td>Reception</td>
<td>The Terrace</td>
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### Tuesday, October 17

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<tr>
<th>Time</th>
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<tr>
<td>7:00 am–6:00 pm</td>
<td>Registration</td>
<td>Overture</td>
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<tr>
<td>7:00–8:15 am</td>
<td>Continental Breakfast</td>
<td>Ormandy Ballroom</td>
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<tr>
<td>8:15–9:30 am</td>
<td>Welcome, Introductions, and Keynote Address</td>
<td>Symphony Ballroom</td>
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Welcome: **Dan York**, ACEEE  
**Elizabeth Lankenau**, Director of Sustainability, City of Philadelphia  
Host Sponsor Welcome: **Michael A. Innocenzo**, President and Chief Executive Officer, PECO

Introductions and Q&A Moderator: **Steve Nadel**, ACEEE

**Keynote Address:** Utility and Regulatory Perspectives on Energy Efficiency as a Resource for Addressing the Critical Energy Challenges of Our Times  
Panelists:  
**Vicki Kuo**, Senior Vice President for Customer Energy Solutions, Con Edison  
**Christine Guhl-Sadowy**, President, New Jersey Board of Public Utilities

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<td>9:30–10:00 am</td>
<td>Networking Break</td>
<td>Overture</td>
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Regional Roundup: Utility Energy Efficiency Highlights from around the United States – Recent Accomplishments and Visions for the Future in Energy Efficiency

Panel Leader: **John Taylor**, Executive Director, CEE

Panelists:  
- **Ashley McBride**, Director of Policy, Southeast Energy Efficiency Alliance  
- **Todd McAlister**, Executive Director, South-Central Partnership for Energy Efficiency as a Resource  
- **Justin Brant**, Utility Program Director, Southwest Energy Efficiency Project  
- **David Lis**, Director, Technology Market Transformation, Northeast Energy Efficiency Partnerships  
- **Paige Knutsen**, Executive Director, Midwest Energy Efficiency Alliance  
- **Joe Desmond**, Executive Director, California Efficiency + Demand Management Council  
- **Becca Yates**, Executive Director, Northwest Energy Efficiency Alliance

11:45 am–1:00 pm  
Networking Lunch and Poster Sessions  
**Ormandy Ballroom**

Lunch with an opportunity to view and discuss the following poster presentations. Poster sessions will take place in the third floor Atrium during lunch and the morning and afternoon breaks on Tuesday.

**Miguel Yanez-Barneuvo**, Environmental and Energy Study Institute  
Inclusive On-Bill Financing Programs in Rural Areas

**Joe Bickham**, Franklin Energy  
Identifying Industrial Customers Hidden Savings (Compressed Air Nozzles)

**Elsa Cheng**, Industrial Technology Research Institute  
Screening of Measures for Advancing Energy Efficiency through Market Transformation Strategies: Developments in Taiwan

**Patti Gunderson**, Pacific Northwest National Laboratory  
Adding Insulation When Re-Siding - Let's Write a TRM!

**Carla Giannattasio**, Oracle  
Pushing the Boundaries of BEE Program Design for Greater Savings and Satisfaction

**Amey Patil**, ICF  
Passive House - The New Normal in Massachusetts

**Annika Roberts**, Northwest Power and Conservation Council  
Comfort in the Dark: Valuing Weatherization's Impact on Building Resiliency

**Julie Roth**, City of Ann Arbor, Office of Sustainability and Innovations  
Improving Access and Reducing Barriers to Energy Efficiency: A Pilot Energy Concierge Program in Ann Arbor

**Matthew Socks**, NVS  
**Connecting the Dots: How Connected Lighting Can Support Decarbonization and Grid Flexibility**

**Gary Swan**, National Energy Foundation  
Second National Energy Literacy Survey of High School Seniors and Juniors
1:00–2:00 pm  

**Breakout Sessions**

1A: Commercial Programs  
**Orchestra**

Moderator: **Ricardo Jordan**, Eversource

- **Public Sector Program: Delivering Results by Beating the Barriers**
  Speaker: **Jean Gibson**, Peoples Gas and North Shore Gas

- **K-12 Efficiency as the Equitable Pathway for Rippling Benefits**
  Speakers: **Mike Li**, U.S. Department of Energy  
  **Annabelle Swift**, U.S. Department of Energy

- **EMPOWERING Hawaii: The Multiple Benefits of Grant Programs for Small Businesses**
  Speaker: **Chester Carson**, Hawaii Energy

1B: Alternative Approaches for Acquiring Energy Efficiency  
**Maestro**

Moderator: **Andy Frank**, Sealed

- **Energy Efficiency and Wholesale Markets in 2023: DERA Participation Models, Capacity Accreditation Reform, and Program Design Implications**
  Speaker: **Madeline Emerson**, TRC

- **The Power of Performance: Using Meter-Based Savings to Drive Action** *(video recording)*
  Speaker: **Allison Bially**, Alternative Energy Systems Consulting

- **Maximizing Energy Efficiency through Auction Mechanisms: A Comprehensive Analysis and Case Studies**
  Speaker: **Philippe Beaudoin**, Dunsky Energy + Climate

1C: Advancements in Cost-Effectiveness Testing  
**Aria**

Moderator: **Jillian Winterkorn**, UI/Avangrid

- **Following the Framework: National Standard Practice Manual and Non-energy Impacts in the Midwest**
  Speaker: **Gregory Ehrendreich**, Midwest Energy Efficiency Alliance

- **One Metric to Rule Them All: A Common Metric to Comprehensively Value All Distributed Energy Resources**
  Speaker: **Mohit Chhabra**, NRDC

- **Balancing the Scale: Building a Cost-Benefit and Avoided Cost Method that Works for Combined Energy Efficiency and Beneficial Electrification Programs**
  Speaker: **Jeremy Petersen**, Xcel Energy

1D: Role of Energy Efficiency in Decarbonization: Planning  
**Concerto**

Moderator: **Zack Tyler**, Opinion Dynamics

- **The Utility Transition, Leading Utilities, and the Role of Demand-Side Management**
  Speaker: **Lakin Garth**, Smart Electric Power Alliance

- **Building Efficiency and Flexibility Can Avoid Up to $100 Billion in Power Sector for Decarbonization Costs**
  Speaker: **Jared Langevin**, Lawrence Berkeley National Laboratory

- **The Role of Energy Efficiency in Decarbonizing the Northwest**
  Speaker: **Kevin Smit**, Northwest Power and Conservation Council

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2023 ACEEE National Conference on Energy Efficiency as a Resource  
#EER23  
@aceeedc
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<tr>
<th>Time</th>
<th>Breakout Sessions</th>
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<tr>
<td>2:15–3:15 pm</td>
<td><strong>2A: Natural Gas Energy Efficiency Programs</strong></td>
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<tr>
<td></td>
<td><strong>Moderator:</strong> Sagarika Subramanian, ACEEE</td>
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<tr>
<td></td>
<td><strong>Program Evolution Is Key to Success</strong></td>
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<td>Speaker: Ryan Carter, Franklin Energy</td>
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<td></td>
<td><strong>Residential Program: Impactful Solutions for Income-Eligible Customers</strong></td>
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<td>Speaker: Omayra Garcia, Peoples Gas and North Shore Gas</td>
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<td><strong>The New Normal</strong></td>
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<td>Speaker: Tyler Glewwe, CenterPoint Energy</td>
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<td><strong>2B: Community Approaches</strong></td>
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<td><strong>Moderator:</strong> Tracy Narel, U.S. Environmental Protection Agency</td>
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<td><strong>Innovation in Arizona and New Mexico to Reduce Energy Burden</strong></td>
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<td>Speaker: Michael Kenney, Southwest Energy Efficiency Project</td>
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<td><strong>Leveraging Innovative Partnerships to Mitigate Climate Change in the City of Brotherly Love</strong></td>
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<td>Speaker: Jeff Byers, PECO</td>
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<td><strong>Matching Utility Programs with Municipal Incentives for Climate Wins</strong></td>
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<td>Speaker: Emily Ziring, City of St. Louis Park, Minnesota</td>
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<td><strong>2C: Non-Energy Impacts/Benefits of Energy Efficiency</strong></td>
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<td><strong>Moderator:</strong> Jasmine Mah, ACEEE</td>
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<td><strong>A Holistic Consideration of Non-Energy Impacts (NEIs): Prioritizing NEIs for Evaluation</strong></td>
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<td>Speaker: Thomas Olson, Consortium for Energy Efficiency</td>
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<td><strong>Impact of Carbon Pricing on Economic Feasibility of Energy Efficiency Measures for Utilities</strong></td>
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<td>Speaker: Ali Bozorgi, ICF</td>
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<td><strong>Weatherization Programs: A Key to Supporting Equity Efforts</strong></td>
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<td>Speaker: Adriana Kraig, Opinion Dynamics</td>
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<td><strong>2D: Role of Energy Efficiency in Decarbonization: Programs</strong></td>
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<td><strong>Moderator:</strong> Kim Cullinane, Eversource</td>
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<td><strong>Climate-Forward Efficiency</strong></td>
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<td>Speaker: Mike Specian, ACEEE</td>
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<td><strong>Evolving EmPOWER Maryland from Energy Efficiency to Carbon Reduction</strong></td>
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<td>Speakers: Nicole Zeichner, Maryland Office of People’s Counsel</td>
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<td>Dylan Voorhees, VEIC</td>
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<td><strong>Leveraging Policy Implementation to Bridge Efficient and Renewable Energy</strong></td>
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<td>Speaker: John Karyczak, Avangrid</td>
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3:15–3:45 pm Networking Break

3:45-4:45 pm Breakout Sessions

3A: Industrial Programs

Moderator: Hellen Chen, ACEEE

Going Deeper with Industrial Customers via Energy Management Information Systems
Speaker: Steven LaBarge, ComEd

Presenting on the Expansion of the Industrial Assessment Centers
Speaker: Clifton Yin, U.S. Department of Energy

Speaker: Paulomi Nandy, Oak Ridge National Laboratory

3B: Energy Efficiency and Market Transformation

Moderator: Charlie McCrudden, Daikin

Digging Deeper on Efficiency and Emissions Savings: Minnesota’s New Statewide Market Transformation Approach
Speaker: Carl Nelson, Center for Energy and Environment

Reaping a Resilient Harvest: Market Transformation for Resource-Efficient Controlled Environment Agriculture
Speaker: Jennifer Amann, ACEEE

Efficient Shopping for All – Program Innovation & Regulatory Reforms
Speaker: Clayton Claassen, Enervee

3C: Current Research on Engaging Energy Customers

Moderator: Beth Conlin, U.S. Environmental Protection Agency

Low-Income Renter Energy Efficiency Needs Assessment
Speaker: Steve Grover, Evergreen Economics

Communication in a World of Distrust: Dealing with Changing Information Paradigms
Speakers: Chrissi Antonopoulos, Pacific Northwest National Laboratory

How Customer Targeting Can Improve Grid and Customer Outcomes
Speaker: Alex Pollard, Recurve

3D: Energy Efficiency and Electrification: Planning

Moderator: Nick Minderman, Xcel Energy

Forecasting Electrification as Energy Efficiency
Speaker: Donald Johnson, Con Edison

From Conservation to Climate: Challenges in the Transition
Speaker: Jacob Burlin, Exelon

Home is Where the Heart Is: Assessing the Residential Building Stock in the City of Brotherly Love
Speakers: David Pudleiner, ICF
Nidhi Krishen, City of Philadelphia
Wednesday, October 18

7:00 am–4:00 pm  Registration  
Overture

7:30–8:30 am  Continental Breakfast  
Ormandy Ballroom

7:30–8:30 am  Women in Energy Efficiency Breakfast (ticketed event)  
Orchestra

8:30–10:00 am  Plenary Panel  
Symphony Ballroom

Federal Funding Opportunities for Utility Energy Efficiency Programs

Moderator: Lowell Ungar, Director of Federal Policy, ACEEE

Panelists:  
Thomas R. Davis, Director of the Office of Recapitalization, U.S. Department of Housing and Urban Development  
Anthony Fiore, Chief Program Officer, NYSERDA  
Tilak Subrahmanian, Vice President, Energy Efficiency, Eversource  
Danielle Walker, Program Specialist, IRA Home Rebate Programs, Office of State and Community Energy Programs, U.S. Department of Energy

10:00–10:30 am  Networking Break  
Overture

10:30–11:30 am  Breakout Sessions  
Symphony Ballroom

4A: Multifamily Programs

Moderator: Natalia Sudyka, Eversource

Race to Decarbonization: Concrete Pathways Towards Retrofit Affordability  
Speaker: Lynda Nguyen, Kinetic Communities Consulting

No Resident Left Behind: Efficiency Upgrades for Low-Income DC Residents  
Speaker: Shayna Vayser, DC Sustainable Energy Utility (DCSEU)

Lessons Learned in ENERGY STAR® Multifamily New Construction Programs  
Speakers: Steve Klocke, Steven Winter Associates
4B: Equitable Policies and Programs
Moderator: Kate Peters, Eversource
- Centering Equity with Metrics
  Speaker: Yiran He, Northeast Energy Efficiency Partnerships
- Beyond the Average Customer: Distributional Equity Analysis
  Speaker: Danielle Goldberg, Synapse Energy Economics
- ACEEE’s Leading with Equity Initiative and Metrics in the 2023 Utility Energy Efficiency Scorecard
  Speaker: Amanda Dewey, ACEEE

4C: Energy Efficiency and Integrated Resource Planning
Moderator: Mike Specian, ACEEE
- Using Energy Efficiency to Help Meet Distribution System Capacity Needs
  Speaker: Guillermo Pereira, Lawrence Berkeley National Laboratory
- Reimagining Resource Planning
  Speaker: Katerina Stephan, RMI (*Rachel Gold, RMI will present on Katerina's behalf,*
- TVA EnergyRight: Leveraging Customer-Focused Energy Efficiency Programs as a Least-Cost Resource
  Speaker: Jason Snyder, Milepost

4D: Energy Efficiency and Electrification: Programs
Moderator: Charles Franklin, American Chemistry Council
- Rhode Island Residential Utility Energy Efficiency and HVAC Rebate Program – 17 Years of Savings
  Speaker: Charlie McCracken, CLEAResult LLC
- Designing Residential Electrification Offerings to Benefit Income-Eligible Customers
  Speaker: Kara Jonas, ComEd
- Best Practices in Community-Based Program Design for Paths to Single-Family Decarbonization
  Speaker: Honnie Leinartas, Elevate

Moderator: Beth Conlin, U.S. Environmental Protection Agency
- A Generalized Approach to Develop Residential Energy Retrofit Analysis for U.S. Communities
  Speaker: Jes Brossman, National Renewable Energy Laboratory
- Building Stock End-Use Energy Datasets from the National Renewable Energy Laboratory
  Speaker: Philip White, National Renewable Energy Laboratory
- A New Data Platform for Building Upgrade Recommendations and Modeled Cost Targets to Transform the US. Residential Retrofit Market
  Speaker: Aven Satre-Meloy, Lawrence Berkeley National Laboratory
The Outlook for the Future of Energy Efficiency as a Utility Resource and Its Importance for Achieving a Low-Carbon, Just, and Affordable Energy Future

Moderator: Marty Kushler, ACEEE
Speaker: Gene Rodrigues, Assistant Secretary for Energy, Office of Electricity, U.S. Department of Energy (Prerecorded Presentation)
Q&A: Joseph Paladino, Office of Electricity, U.S. Department of Energy

1:15–2:15 pm  Breakout Sessions

5A: Residential Programs
Moderator: Charles Newborn, SEEL, LLC.
Living Sustainably: New Construction All-Electric Opportunities in Connecticut
Speaker: Alysse Rodrigues, Avangrid
Measured-Savings Pathway to Energy Efficiency, Electrification, and Peak Reduction – All in a Single Residential Program
Speaker: Justin Kjeldsen, Franklin Energy

5B: Low-Income Energy Efficiency Programs
Moderator: Gil Peach, Adapt Global
Whole-Home Repairs: Pathway to Energy Equity for Pennsylvania
Speaker: Rachel Goodgal, Keystone Energy Efficiency Alliance
Health and Safety Solutions for Low Income Philadelphians
Speaker: Zachary Popkin, Philadelphia Gas Works
Home Repair as a Prerequisite to Energy Efficiency Equity in Michigan
Speaker: Jessica Minor-Baetens, Guidehouse

5C: Energy Efficiency in Planning
Moderator: Joananne Bachman, VEIC
Integrating Co-benefits of Energy Efficiency into Energy and Climate Policy
Speaker: Will Mulhern, Oregon Department of Energy
The Changing Value of Energy Efficiency
Speaker: Kevin Smit, Northwest Power and Conservation Council
Least Cost Procurement in Rhode Island: A 15-Year Retrospective
Speaker: Jeremy Newberger, Guidehouse
5D: Natural Gas Energy Efficiency Policies for a Climate Era

**Moderator:** Marty Kushler, ACEEE

- **Natural Gas Efficiency Policy for a Decarbonized Future (Minnesota)**
  Speaker: Audrey Partridge, MNCEE

- **Gas Utility Decarbonization in Colorado**
  Speaker: Justin Brant, Southwest Energy Efficiency Project

- **Clean Heat Standards: New Tools for Thermal Savings**
  Speakers: Richard Cowart, Regulatory Assistance Project
  Chris Neme, Energy Futures Group

**Concerto**

5E: Federal Tools Session: Analytical Tools for Multiple Impacts of Energy Efficiency and Electrification

**Moderator:** Tracy Narel, U.S. Environmental Protection Agency

- **Building Your Decarbonization Plan with 50001 Ready**
  Speaker: Jay Wrobel, U.S. Department of Energy Building Technology Office

- **U.S. EPA’s Energy Savings and Impacts Scenario Tool (ESIST) Assesses Multiple Benefits**
  Speaker: David Tancabel, U.S. Environmental Protection Agency

- **Time-Sensitive Value of Electricity: Data, Tools, and Concrete Use Cases**
  Speaker: Margaret Pigman, Lawrence Berkeley National Laboratory

- **Commercial End Use Savings Shapes**
  Speaker: Matthew Dahlhausen, National Renewable Energy Laboratory

2:30 pm–3:30 pm  Breakout Sessions

6A: Industrial Strategic Energy Management Programs  
**Symphony Ballroom**

**Moderator:** Kyle Svendsen, Eversource

- **UI – Strategic Energy Management (SEM) Program**
  Speaker: Shea Kirwin, United Illuminating

- **Plan-Do-Check-Act: Analyzing the Impact of 17,000 Actions from SEM Opportunity Registers to Identify Program Design Enhancements**
  Speaker: Zach Podell-Eberhardt, Cascade Energy

- **Success of Strategic Energy Management (SEM) in California’s Industrial Sector**
  Speaker: Anna Smidebush, Pacific Gas & Electric
6B: Energy Efficiency Programs for Small Businesses

Moderator: Steven Menges, National Grid

Speaker: Earl Sarain, Duquesne Light Company

Business, Big Impact: Increasing Weatherization in Massachusetts Businesses
Speaker: Ashley Muspratt, Center for EcoTechnology

Expanding Equitable Access to Small Business Efficiency Offerings
Speaker: Emily Hazelton, Eversource

6C: Time Value of Energy Efficiency

Moderator: Jillian Winterkorn, UI/Avangrid

Considering the Time and Locational Value of Efficiency in Electricity Planning
Speaker: Natalie Mims Frick, Lawrence Berkeley National Laboratory

Managing Peak Demand in Distribution Systems with Efficiency and Flexibility as Buildings and Transportation Electrify
Speakers: Sean Murphy, Lawrence Berkeley National Laboratory
Mary Horsey, Fort Collins Utility

Knowledge is Power: Combining Energy Management Information with Time-Varying Pricing for Maximum Demand and Energy Impact
Speaker: Marie-Claude Hamelin, Econoler

6D: State Policy Support for Energy Efficiency

Moderator: Susan Stratton, Stratton Gilmore Group

Energy Efficiency Resource Standards: What’s Next?
Speaker: Anthony Sandonato, Lawrence Berkeley National Laboratory

Performance Incentive Mechanisms for Efficient & Equitable Decarbonization
Speaker: Carina Rosenbach, RMI

Lessons from the Land of Lincoln: Illinois’ Climate and Equitable Jobs Act
Speaker: Delmar Gillus, Elevate Energy

6E: Federal Tools Session: Office Hours with Presenters from Sessions 4E and 5E

(Presenters from Sessions 4E and 5E will be available to discuss and demonstrate their tools. Bring your own laptop if you would like to access and try them out.)
3:30-4:00 pm  Networking Break

4:00-5:00 pm  Closing Plenary Panel

Breakthroughs and Breakouts: Scaling Energy Efficiency to Meet the Climate Challenge and Achieve Greater Energy Equity

Moderator:  Sharyn Barata, Senior Vice President of Industry Engagement, Opinion Dynamics

Panelists:  Rebecca Foster, Chief Executive Officer, VEIC  
            Steve Menges, National Grid  
            Emily Schapira, President and CEO, Philadelphia Energy Authority  
            Carla Walker-Miller, Founder and CEO, Walker Miller Energy