# 2023 National Conference on Energy Efficiency as a Resource

## PROGRAM

DoubleTree by Hilton Philadelphia Center City • Philadelphia, PA • October 16–18, 2023

### Monday, October 16

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 am–7:00 pm</td>
<td>Registration</td>
<td>Overture</td>
</tr>
<tr>
<td>10:00 am–5:00 pm</td>
<td>Industrial Heat Pumps Workshop</td>
<td>Maestro</td>
</tr>
<tr>
<td>1:00–5:00 pm</td>
<td>Climate-Forward Efficiency Workshop</td>
<td>Orchestra</td>
</tr>
<tr>
<td>5:00–7:00 pm</td>
<td>Reception</td>
<td>The Terrace</td>
</tr>
</tbody>
</table>

### Tuesday, October 17

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am–6:00 pm</td>
<td>Registration</td>
<td>Overture</td>
</tr>
<tr>
<td>7:00–8:15 am</td>
<td>Continental Breakfast</td>
<td>Ormandy Ballroom</td>
</tr>
<tr>
<td>8:15–9:30 am</td>
<td>Welcome, Introductions, and Keynote Address</td>
<td>Symphony Ballroom</td>
</tr>
</tbody>
</table>

Welcome: Dan York, ACEEE  
Darrell Clarke, Council President, Philadelphia Energy Authority

Host Sponsor Welcome: TBA, 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: Christine Guhl-Sadovy, Commissioner, New Jersey Board of Public Utilities  
Vicki Kuo, Senior Vice President for Customer Energy Solutions, Con Edison

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:30–10:00 am</td>
<td>Networking Break</td>
<td>Overture</td>
</tr>
</tbody>
</table>
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:
- **Justin Brant**, Utility Program Director, Southwest Energy Efficiency Project
- **Joe Desmond**, Executive Director, California Efficiency + Demand Management Council
- **Paige Knutsen**, Executive Director, Midwest Energy Efficiency Alliance
- **David Lis**, Director, Technology Market Transformation, Northeast Energy Efficiency Partnerships
- **Todd McAllister**, Executive Director, South-Central Partnership for Energy Efficiency as a Resource
- **Ashley McBride**, Director of Policy, Southeast Energy Efficiency Alliance
- **Becca Yates**, Executive Director, Northwest Energy Efficiency Alliance

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

Lunch with an opportunity to view and discuss the following poster presentations.

- **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!
- **Melissa Leymon**, 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
1A: Commercial Programs

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

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
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

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 Peterson, Xcel Energy

1D: Role of Energy Efficiency in Decarbonization: Planning

Moderator: Zack Tyler, Opinion Dynamics

The Utility Transition, Leading Utilities, and the Role of Demand-Side Management
Speaker: Lake 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
2:15–3:15 pm  Breakout Sessions

2A: Natural Gas Energy Efficiency Programs  Orchestra

Moderator: Carter Dedolph, CenterPoint Energy

Program Evolution Is Key to Success
Speaker: Ryan Carter, Franklin Energy

Residential Program: Impactful Solutions for Income-Eligible Customers
Speaker: Omayra Garcia, Peoples Gas and North Shore Gas

Weatherization: From Customer Comfort to System Reliability
Speaker: Enrica Galasso LoRusso, National Grid

2B: Community Approaches  Maestro

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

Innovation in Arizona and New Mexico to Reduce Energy Burden
Speaker: Michael Kenney, Southwest Energy Efficiency Project

Leveraging Innovative Partnerships to Mitigate Climate Change in the City of Brotherly Love
Speaker: Jeff Byers, PECO

Matching Utility Programs with Municipal Incentives for Climate Wins
Speaker: Emily Ziring, City of St. Louis Park, Minnesota

2C: Non-Energy Impacts/Benefits of Energy Efficiency  Aria

Moderator: Jasmine Mah, ACEEE

A Holistic Consideration of Non-Energy Impacts (NEIs): Prioritizing NEIs for Evaluation
Speaker: Thomas Olson, Consortium for Energy Efficiency

Speaker: Ali Bozorgi, ICF

Weatherization Programs: A Key to Supporting Equity Efforts
Speaker: Adriana Kraig, Opinion Dynamics

2D: Role of Energy Efficiency in Decarbonization: Programs  Concerto

Moderator: Kim Cullinane, Eversource

Climate-Forward Efficiency
Speaker: Mike Specian, ACEEE

Leveraging Policy Implementation to Bridge Efficient and Renewable Energy
Speaker: John Karyczak, Avangrid

Evolving EmPOWER Maryland from Energy Efficiency to Carbon Reduction
Speakers: Nicole Zeichner, Maryland Office of People’s Counsel
Dylan Voorhees, VEIC
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

Speaker: Paulomi Nandy, Oak Ridge National Laboratory

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

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: Uses of Data

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, ICF
Welcome Reception

RECEPTION SPONSOR:

Wednesday, October 18

5:00–7:00 pm  Welcome Reception  The Terrace

6

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  Orchestra

8:30–10:00 am  Federal Funding Opportunities for Utility Energy Efficiency Programs  Symphony Ballroom

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, Vice President, Clean and Resilient Buildings, NYSERDA

Tilak Subrahmanian, Vice President, Energy Efficiency, Eversource

Theodore K. Toon, Senior Advisor for Building Decarbonization and Finance, U.S. Environmental Protection Agency

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

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

There’s a New Tool in Town
Speaker: Ben Park, National Renewable Energy Laboratory

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: Elaina Present, National Renewable Energy

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
11:45 am–1:00 pm  Lunch and Keynote  Ormandy Ballroom

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  Symphony Ballroom

5A: Residential Programs

Moderator: Charlies Newborn, SEEL, LLC.

Living Sustainably: New Construction All-Electric Opportunities in Connecticut
Speaker: Alyssse Rodrigues, Avangrid

Energy Resilient and Healthy Homes
Speaker: James Purcell, Energize Delaware

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  Orchestra

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  Maestro

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: Tina Jayaweera, 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

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

Speakers: Richard Cowart, Regulatory Assistance Project
          Chris Neme, Energy Futures Group

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

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: Hamad Chaudry, 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, 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
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30-4:00 pm</td>
<td>Networking Break</td>
<td></td>
</tr>
<tr>
<td>4:00-5:00 pm</td>
<td>Closing Plenary Panel</td>
<td>Symphony Ballroom</td>
</tr>
</tbody>
</table>

**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  
**Nicholas Mark**, Xcel Energy  
**Emily Schapira**, President and CEO, Philadelphia Energy Authority  
**Carla Walker-Miller**, Founder and CEO, Walker Miller Energy