# 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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<th>Time</th>
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<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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<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>
<td>7:00 am–6:00 pm</td>
<td>Registration</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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<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-Sadovy**, 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
### Breakout Sessions

#### 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**

- **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** *(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
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
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
2:15–3:15 pm  Breakout Sessions

2A: Natural Gas Energy Efficiency Programs  Orchestra
Moderator: Sagarika Subramanian, ACEEE

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

The New Normal
Speaker: Tyler Glewwe, CenterPoint Energy

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

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

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

2023 ACEEE National Conference on Energy Efficiency as a Resource #EER23 @aceeedc
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

4A: Multifamily Programs  Symphony Ballroom

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

**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

5A: Residential Programs  Symphony Ballroom

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  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: 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

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

**Spray and Pray Marketing No More. How Data-First Efficiency Programming Is Redefining Go-To-Market Approaches for Utility EE and KW Reduction**
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.)
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