# 2023 National Conference on Energy Efficiency as a Resource

## PROGRAM

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

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<th><strong>Monday, October 16</strong></th>
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<th><strong>Tuesday, October 17</strong></th>
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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

| **9:30–10:00 am** | Networking Break |

*Overture*
# Opening Plenary Panel

**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 McAlister**, 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

## Networking Lunch and Poster Sessions

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
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, Dunskey 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

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2:15–3:15 pm  Breakout Sessions

2A: Natural Gas Energy Efficiency Programs  
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  
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  
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  
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
**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
- **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  
*Lynda Nguyen*, Kinetic Communities Consulting

No Resident Left Behind: Efficiency Upgrades for Low-Income DC Residents  
*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: Elaina Present, 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 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
### 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: 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 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

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

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.)
3:30-4:00 pm  Networking Break  Overture

4:00-5:00 pm  Closing Plenary Panel  Symphony Ballroom

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