

# 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

9:00 am–7:00 pm	Registration	<i>Overture</i>
10:00 am–5:00 pm	Industrial Heat Pumps Workshop	<i>Maestro</i>
1:00–5:00 pm	Climate-Forward Efficiency Workshop	<i>Orchestra</i>
5:00–7:00 pm	Reception	<i>The Terrace</i>

### Tuesday, October 17

7:00 am–6:00 pm	Registration	<i>Overture</i>
7:00–8:15 am	Continental Breakfast	<i>Ormandy Ballroom</i>
8:15–9:30 am	Welcome, Introductions, and Keynote Address	<i>Symphony Ballroom</i>

Welcome: **Dan York**, ACEEE

**Darrell Clarke**, Council President, Philadelphia Energy Authority

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

9:30–10:00 am	Networking Break	<i>Overture</i>
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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: **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

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***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

Speaker: **Allison Bially**, Alternative Energy Systems Consulting

Maximizing Energy Efficiency through Auction Mechanisms: A Comprehensive Analysis and Case Studies

Speaker: **Philippe Beaudoin**, Dunsy Energy + Climate**1C: Advancements in Cost-Effectiveness Testing***Aria*Moderator: **Jilian 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***Concerto*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

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**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**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

Impact of Carbon Pricing on Economic Feasibility of Energy Efficiency Measures for Utilities

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

Overture

3:45-4:45 pm

Breakout Sessions

### 3A: Industrial Programs

Orchestra

Moderator: **Hellen Chen**, ACEEE

Going Deeper with Industrial Customers via Energy Management Information Systems

Speaker: **Steven LaBarge**, ComEd

The Role of Energy Efficiency for Zero-carbon Manufacturing Transformation in an Environment of More Affordable Low- and Zero-Carbon Energy

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

Maestro

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

Aria

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

Concerto

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

5:00–7:00 pm

Welcome Reception

The Terrace



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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

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, 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

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

*Orchestra*

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

*Maestro*

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

*Aria*

Moderator: **Charles Franklin**, American Chemistry Council

Rhode Island Residential Utility Energy Efficiency and HVAC Rebate Program – 17 Years of Savings

Speaker: **Charlie McCracken**, CLEARresult 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

## 4E: Federal Tools Session: Analytical Tools for Residential Energy Efficiency

*Concerto*

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 Crossman**, 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

## 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

### 5A: Residential Programs

*Symphony Ballroom*

Moderator: **Charlies Newborn**, SEEL, LLC.

Living Sustainably: New Construction All-Electric Opportunities in Connecticut

Speaker: **Alyse 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: **Joanne 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

*Aria*

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

*Orchestra*

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

*Maestro*

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

*Aria*

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

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

**Nicholas Mark**, Manager, DSM Strategy & Policy, Xcel Energy

**Emily Schapira**, President and CEO, Philadelphia Energy Authority

**Carla Walker-Miller**, Founder and CEO, Walker Miller Energy