Better Buildings Summit Program

May 27–29, 2015 ▪ Washington, D.C.
### Agenda at-a-Glance
**Wednesday, May 27, 2015**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activities</th>
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<tbody>
<tr>
<td>7:30–8:30 AM</td>
<td>Registration and Continental Breakfast</td>
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<tr>
<td>8:30–9:30 AM</td>
<td>Welcome &amp; Partner Keynote Address</td>
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<tr>
<td>9:30–10:00 AM</td>
<td>Breakfast</td>
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<tr>
<td>10:00–11:30 AM</td>
<td>Morning Sessions*</td>
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<tr>
<td>11:30–12:00 PM</td>
<td>Networking Lunch**</td>
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<td>12:00–1:30 PM</td>
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<tr>
<td>1:30–3:00 PM</td>
<td>Afternoon Sessions*</td>
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<td>3:00–3:30 PM</td>
<td>Break</td>
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<tr>
<td>3:30–5:00 PM</td>
<td>Afternoon Sessions*</td>
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<tr>
<td>5:00–6:00 PM</td>
<td>Better Buildings Challenge Partner Recognition Ceremony (Invite Only)</td>
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### Morning Sessions*
- **Commercial Track**
  - Commercial Real Estate Meet-Up
    - Room: Virginia C
  - Higher Education Meet-Up
    - Room: Maryland B
  - Retail, Food Service & Grocery Meet-Up
    - Room: Virginia B

- **Data Center Track**
  - Planning-Barriers-Solutions for Data Center Project Development
    - Room: Maryland A
  - Maximizing Supermarket Refrigeration System Energy Efficiency
    - Room: Maryland A
  - Reducing Energy Consumption in Restaurants and Kitchens: Turning Down the Heat on Energy Bills
    - Room: Virginia B

- **Industrial Track**
  - Tapping into DOE’s Portfolio of Manufacturing Energy Efficiency Resources
    - Room: Washington 4

### Afternoon Sessions*
- **Commercial Track**
  - Accelerating Energy Efficiency Through the Commercial Lease
    - Room: Virginia C
  - Maximizing Energy Savings in Laboratories
    - Room: Maryland B
  - Reducing Energy Consumption in Restaurants and Kitchens: Turning Down the Heat on Energy Bills
    - Room: Virginia B

- **Data Center Track**
  - Lessons Learned and the Future of Plug Load Controls
    - Room: Maryland C
  - PUE Baselining: Methods and Resources
    - Room: Virginia A

- **Industrial Track**
  - The Role of Energy Efficiency in a New Manufacturing Energy Landscape
    - Room: Washington 4
  - The Value Proposition for Data Center Optimization
    - Room: Virginia A
  - Ending the Tyranny of the 2-Year Payback: Effective Industrial Financing Strategies
    - Room: Washington 4
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<thead>
<tr>
<th>MULTIFAMILY TRACK</th>
<th>PUBLIC TRACK</th>
<th>RESIDENTIAL TRACK</th>
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<tbody>
<tr>
<td><strong>REGISTRATION AND CONTINENTAL BREAKFAST</strong></td>
<td><strong>WELCOME &amp; PARTNER KEYNOTE ADDRESS</strong></td>
<td><strong>BREAK</strong></td>
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<td>MORNING SESSIONS*</td>
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<tr>
<td>Financial Options for Public Housing Authorities</td>
<td>Breaking Down the Barriers to Energy Efficiency &amp; Renewable Energy Deployment in Water &amp; Wastewater Facilities</td>
<td>Developing a Strong Energy Savings Performance Contracting Project</td>
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<td>Room: Roosevelt 2</td>
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<tr>
<td>Green Operations and Management</td>
<td>Giving Your Vision Wings: How to Operationalize Your Sustainability Goals</td>
<td>Strategies and Guidelines for the Cleansing and Analysis of Building Energy Benchmarking Data</td>
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<td>Room: Roosevelt 1</td>
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<td>NETWORKING LUNCH**</td>
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<tr>
<td>How to Get to Zero Energy in Multifamily</td>
<td>Achieving Financial Independence: Lessons on How to Create Sustainable Financing for Your Programs and Projects</td>
<td>Developing Momentum for Clean Energy Policy</td>
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<td>Room: Roosevelt 2</td>
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<tr>
<td>Marketing Your Green Assets to Attract Residents</td>
<td>Emerging Trends in State and Local Energy/Climate Planning</td>
<td>Harnessing the Power of Data to Improve Building Performance</td>
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<td>Meet-Up</td>
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<tr>
<td>Financing Renewables in Multifamily</td>
<td>City-Led Challenge Program Peer Huddle</td>
<td>Measuring Savings and Tracking Performance in the Public Sector</td>
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<td>Rooms: Roosevelt 1 &amp; 2</td>
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<td>BETTER BUILDINGS CHALLENGE PARTNER RECOGNITION CEREMONY (INVITE ONLY)</td>
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*Additional Speed Dating with Financial Allies sessions are available, Room: Washington 6.
**Higher Education Data Benchmarking Meet-Up, Room: Maryland B.
# AGENDA AT-A-GLANCE
## THURSDAY, MAY 28, 2015

### CROSS-CUTTING SESSIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Data-Driven Results Track</th>
<th>Financing and Partnerships Track</th>
<th>High-Impact Technologies Track</th>
<th>Portfolio-Wide Strategies Track</th>
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<tr>
<td>7:30–8:30 AM</td>
<td>Registration and Continental Breakfast</td>
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<td>8:30–9:30 AM</td>
<td>Keynote Address, Partner Recognition, Media Panel</td>
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<td>9:30–10:00 AM</td>
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<td>Room: Virginia B</td>
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<td>Room: Roosevelt 2</td>
<td>Room: Virginia C</td>
<td>Room: Virginia A</td>
<td>Room: Maryland B</td>
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<td>Savings Bonanza: Industrial Energy Efficiency Programs That Work</td>
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<td>12:00–1:30 PM</td>
<td>BETTER BUILDINGS CHALLENGE PARTNER LUNCH KEYNOTE &amp; PANEL DISCUSSION</td>
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<td>Room: Virginia B</td>
<td>Room: Delaware B</td>
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<td></td>
<td>Leveraging the Real Estate Industry to Increase Energy Efficiency Upgrades</td>
<td>HVAC Solutions for Small and Large Buildings, Part 1: Life-Cycle Management Approach for Packaged HVAC</td>
<td>Now That We’ve Dipped Our Toe In… Water Pilot Lessons Learned</td>
<td>Strengthening Resiliency with Clean Energy</td>
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<td>Room: Roosevelt 3</td>
<td>Room: Virginia A</td>
<td>Room: Roosevelt 5</td>
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<td>Room: Roosevelt 2</td>
<td>Room: Virginia B</td>
<td>Room: Washington 5</td>
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<td></td>
<td>Accelerating Energy Data Access for Building Owners</td>
<td>Engaging the Homeowner to Learn about Energy Efficiency</td>
<td>CHP: Opportunities for Energy Efficiency and Resiliency</td>
<td>Engaging Employees to Drive Efficiency Behavior</td>
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<td>Room: Roosevelt 4</td>
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<td>Room: Washington 5</td>
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<td>Drive Action Through Energy Data Visualization</td>
<td>FREE MONEY!: Working with Utilities to Make Your Energy Reduction Dreams Come True</td>
<td>High-Performance Street, Area, and Parking Lighting Solutions</td>
<td>How to Drive Change with Workplace Charging</td>
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<td>Room: Delaware B</td>
<td>Room: Roosevelt 2</td>
<td>Room: Virginia C</td>
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<td>Room: Delaware A</td>
<td>Room: Roosevelt 1</td>
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<td>5:15–6:00 PM</td>
<td>BETTER PLANTS RECOGNITION CEREMONY &amp; POSTER SESSION (ALL ATTENDEES)</td>
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<td>6:00–7:30 PM</td>
<td>NETWORKING EVENT (ALL ATTENDEES)</td>
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*Additional Speed Dating with Financial Allies sessions are available, Room: Washington 6.
<table>
<thead>
<tr>
<th>Time</th>
<th>BETTER BUILDINGS ACCELERATORS TRACK</th>
<th>COMMERCIAL TRACK</th>
<th>MULTIFAMILY TRACK</th>
<th>PUBLIC TRACK</th>
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<tr>
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<td>Better Buildings Accelerator: Outdoor Lighting Technical Assistance Office Hours (Invite Only) Room: Roosevelt 2</td>
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<td>SEP Competitive Cohort Meeting: Sustainable Financing for Retrofits (Retrofitting Public Buildings) (Invite Only) Room: Roosevelt 1</td>
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<td>10:00–10:30 AM</td>
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<td>Better Buildings Accelerator: Outdoor Lighting (Invite Only) Room: Roosevelt 2</td>
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<td>12:00–1:00 PM</td>
<td><strong>WORKING LUNCH</strong></td>
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<td><strong>AFTERNOON MEETINGS</strong></td>
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GET STARTED ON YOUR ENERGY EFFICIENCY SOLUTION TODAY

BETTER BUILDINGS SOLUTION CENTER

The Solution Center is designed to help your organization find a solution by topic, building type, solution type, building size, sector, technology, location, and more. Learn how a variety of organizations finance their building solutions, implement emerging technologies, build their team’s energy expertise, motivate staff, get buy-in from management, or establish community-wide initiatives. Explore the more than 200 solutions tested and proven by partners.

energy.gov/betterbuildings/solutioncenter
Wednesday

Keynote Address and Welcome
Tom Barrett, Mayor of Milwaukee, WI
Dr. Kathleen Hogan, Deputy Assistant Secretary for Energy Efficiency, DOE
8:30 – 9:30 AM
Rooms: Salon 1 & 2

Speed Dating: Learn about Offerings from Better Buildings Challenge Financial Allies
10:00 AM – 5:00 PM
Room: Washington 6

Networking Lunch: Higher Education Data Benchmarking Meet-Up
12:00 – 1:30 PM
Room: Maryland B

Sector Specific Building Tours (Invite Only)
3:30 – 5:00 PM
Offsite/Various Locations

Better Buildings Challenge Partner Recognition Event (Invite Only)
6:00 – 7:30 PM
Eisenhower Executive Office Building
White House Campus

Thursday

Keynote Address and Recognition Ceremony
Dr. David Danielson, Assistant Secretary for Energy Efficiency and Renewable Energy, DOE
8:30 – 9:00 AM
Rooms: Salon 1 & 2

Making the News: Media Views on Issues of Energy Efficiency and Leadership
9:00 – 9:30 AM
Rooms: Salon 1 & 2

Speed Dating: Learn about Offerings from Better Buildings Challenge Financial Allies
10:00 AM – 5:00 PM
Room: Washington 6

Lunch Address
Michael Nutter, Mayor of Philadelphia, PA
12:45 – 1:00 PM
Rooms: Salon 1 & 2

Better Buildings Challenge Partner Lunch Panel and Twitter Town Hall
Bigger, Faster, Better: Better Buildings Challenge partners Going Above and Beyond for Energy Reductions
1:00 – 1:30 PM
Rooms: Salon 1 & 2, and on Twitter

Follow the discussion at #BBSummit2015.

Better Plants Recognition Ceremony and Poster Session (All Attendees)
5:15 – 6:00 PM
Rooms: Salon 1 & 2

Networking Event (All Attendees)
6:00 – 7:30 PM
Rooms: Salon 1 & 2

Friday

Working Lunch
12:00 – 1:00 PM
Rooms: Salon 1 & 2

Best Practices in Data Access, Tracking, and Analysis: Workshop for the Public Sector
8:30 AM – 12:30 PM
Room: Roosevelt 3

Workshop on Multifamily Efficiency Programs
8:30 AM – 12:00 PM
Room: Washington 4

High-Impact Technologies Forum: Harnessing American Ingenuity and Innovation
8:30 AM – 2:00 PM
Room: Maryland B
WEDNESDAY: 10:00–11:30 AM

COMMERCIAL TRACK

Commercial Real Estate Meet-Up

ROOM Virginia C
LEVEL Lobby

Join the round table of commercial real estate sector leaders from the Better Buildings Alliance and Better Buildings Challenge. This session will feature short presentations and a discussion on making energy consumption data actionable and the role of solar PV in commercial leased buildings. Participants will have an opportunity to share their most exciting energy efficiency projects and challenges.

PANELISTS
Deb Cloutier, JDM Associates
Steve Harrison, Parmenter Realty Partners
Jay Paidipati, Navigant Consulting
Drew Torbin, Renewable Energy, ProLogis

Moderator
Jason Hartke, DOE

Healthcare Meet-Up

ROOM Maryland A
LEVEL Lobby

Join the round table of healthcare sector leaders from the Better Buildings Alliance and Better Buildings Challenge. This session will feature short presentations and discussions on energy independence and zero energy construction. Participants will have an opportunity to share their most exciting energy efficiency projects and challenges.

PANELISTS
Yuri Millo, Better Place International
Erin Richmond, JDM Associates
Corey Zarecki, Gundersen Health System

Moderator
Priya Swamy, DOE

Higher Education Meet-Up

ROOM Maryland B
LEVEL Lobby

Join the round table of higher education sector leaders from the Better Buildings Alliance and Better Buildings Challenge. This session will feature short presentations and discussions on a strategic management model and a self-funding, retro-commissioning program. Participants will have an opportunity to share their most exciting energy efficiency projects and challenges.

PANELISTS
Wendell Brase, University of California, Irvine
Susan Corry, University of Maryland
John Jameson, ICF International
Jesse Warren, University of Virginia

Moderator
Kristen Taddionio, DOE

Hospitality Meet-Up

ROOM Virginia C
LEVEL Lobby

Join the round table of hospitality sector leaders from the Better Buildings Alliance and Better Buildings Challenge. This session will feature short presentations and a discussion on energy trends and the hotel brand/franchisee relationship. Participants will have an opportunity to share their most exciting energy efficiency projects and challenges.

PANELISTS
Chris Magee, MGM Resorts International
Jen Singer, ICF International
Faith Taylor, Wyndham Worldwide
Lindsay Wilkinson, InterContinental Hotels Group

Moderator
Andy Mitchell, DOE

Retail, Food Service & Grocery Meet-Up

ROOM Virginia B
LEVEL Lobby

Join the round table of retail, food service, and grocery sector leaders from the Better Buildings Alliance and Better Buildings Challenge. This session will feature short presentations and a discussion on rooftop unit retrofits and replacements for the retail, food service and grocery sector. Participants will have an opportunity to share their most exciting energy efficiency projects and challenges.

PANELISTS
Zach Abrams, ICF International
Cara Bastoni, ICF International
Kyle Wilkes, JCPenney

Moderator
Holly Carr, DOE
This session will address the barriers associated with challenging a business-as-usual approach where energy efficiency often takes a back seat to concerns about reliability. Panelists from the private sector and federal agencies will share their approaches to successfully tackling some of their largest institutional hurdles when planning and implementing projects to improve efficiency in their data centers.

**PANELISTS**

Andy Ashbaugh, Lawrence Livermore National Laboratory  
John Dumler, Digital Realty  
David Oshinski, The Home Depot  
Moderator  
Will Lintner, DOE

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A range of DOE programs and resources are available to help companies save energy, reduce operating costs, and improve competitiveness. In this panel, Better Plants partners will describe how they have leveraged various resources to help them make progress toward the aggressive energy efficiency goals set by their organizations.

**PANELISTS**

Muneer Chowdhury, Bridgestone Americas  
Bert Hill, Volvo Group North America  
Steve Schultz, 3M  
Moderator  
Jay Wrobel, DOE

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Limited funding does not need to exclude investing in energy efficiency improvements. This session will demonstrate how Public Housing Authorities can use Energy Performance Contracts and the Rental Assistance Demonstration program to support their energy commitments.

**PANELISTS**

Chris Jedd, Denver Housing Authority  
Beth Keel, San Antonio Housing Authority  
Rick Rentz, TA Engineering/Housing Authority of Baltimore City  
Moderator  
Shauna Sorrells, HUD

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Besides strengthening resident engagement programs, it is important to implement Green O&M practices to reduce energy consumption in your portfolio. This session will share best practices and available toolkits to educate site staff.

**PANELISTS**

Toby Ast, Preservation of Affordable Housing  
Jennifer Reed, Eden Housing  
Becky (Rebecca) Schaaf, Stewards of Affordable Housing for the Future  
Moderator  
Krista Egger, Enterprise Community Partners
**PUBLIC TRACK**

### ROOM Washington 5
**LEVEL** Exhibition

In this session, states, local governments, and water and wastewater utilities will discuss how they overcame some of the persistent barriers to deploying energy efficiency and renewable energy at their facilities and the tools needed to increase deployment nationwide.

**PANELISTS**
- **Martin Adams**, Los Angeles Department of Water and Power
- **Jessica Burdette**, Minnesota Department of Commerce
- **Barry Liner**, Water Environment Federation

**Moderator**
Ira Birnbaum, DOE

### ROOM Roosevelt 5
**LEVEL** Exhibition

How do I know if my project is right for an ESPC? What EM&V procedures should I specify? Come hear how your peers have addressed these questions by applying best practices in ESPC project development and negotiation, including assessing audit results, leveraging available resources to benchmark energy conservation measure packages, preparing for ESCO selection, and defining reliable and cost-effective EM&V approaches.

**PANELISTS**
- **Peter Berger**, Minnesota Department of Commerce
- **Larry Falkin**, Cincinnati Office of Environment & Sustainability
- **Michael O’Connor**, Appalachian State University

**Moderator**
Chris Halpin, Celtic Energy

### ROOM Roosevelt 4
**LEVEL** Exhibition

This session will feature state and local governments that have established internal sustainable operations plans and policies for their own organizations as a means of operationalizing their energy and climate goals. Learn strategies to realize sustainability goals through employee orientation and programming, departmental budget innovation, and technology platform development.

**PANELISTS**
- **Lynn France**, Chula Vista, CA
- **Matt Gray**, Cleveland, OH
- **Lloyd Kass**, New York Power Authority
- **Kim Vagher**, Arvada, CO

**Moderator**
Sarah Zaleski, DOE

### ROOM Roosevelt 3
**LEVEL** Exhibition

A growing number of local governments and states are collecting building benchmarking data from thousands of public and private building owners. Data cleansing is a critical step prior to analysis and interpretation of data. Learn about methodologies and principles that leading organizations are employing to cleanse benchmarking data and improve the accuracy of future year data sets.

**PANELISTS**
- **Andrea Hessenius**, Massachusetts Department of Energy Resources
- **Christine Liaukus**, New Jersey Institute of Technology
- **Tony O’Donnell**, Sustainability Institute at the College of New Jersey & Sustainability NJ
- **Scott Wagner**, Consortium for Building Energy Innovation

**Moderator**
Mona Khalil, DOE
Incentives: What Gets Homeowners to Move, What Not So Much

ROOM Delaware B
LEVEL Lobby

What incentives did homeowners respond to in a $500 million Recovery Act grant program, and what was learned from incentives that did not work so well? This session will utilize the Better Buildings Residential Program Solution Center to share proven strategies for energy efficiency programs.

PANELISTS
Dana Fischer, Efficiency Maine
Rob McCracken, Greater Cincinnati Energy Alliance
Mary Templeton, Michigan Saves

Moderator
Jonathan Cohen, DOE

Overcoming the Home Upgrade Information Tower of Babel with HPXML

ROOM Delaware A
LEVEL Lobby

Home Performance (HP) XML is transforming the way home energy upgrade programs collect and transfer information from one software system to another, leading to improved contractor satisfaction, lower administrative costs, and technological advancements in the home performance industry. During this session, presenters will provide an overview of HPXML and its benefits, and discuss how the data standard is facilitating technological and process improvements among home energy upgrade programs and software developers in the United States.

PANELISTS
Cynthia Adams, Pearl Certification
Julie Caracino, NYSERDA
Gavin Hastings, Tierra Resource Consultants, LLC
Greg Thomas, Performance Systems Development

Moderator
Dale Hoffmeyer, DOE
WEDNESDAY: 12:00–1:30 PM

SPECIAL EVENT

Networking Lunch: Higher Education Data Benchmarking Meet-Up

ROOM Maryland B  LEVEL Lobby

Are you interested to compare your campus buildings' energy performance to other similar buildings across the country? Join the conversation to share current higher education benchmarking practices and needs. View a demonstration of DOE’s Building Performance Database as a potential benchmarking tool for colleges and universities.

Moderators
Elena Alschuler and Holly Carr, DOE
The lease is a powerful tool for tenants and landlords to achieve sustainability and corporate social responsibility goals. So why aren’t more organizations putting green leasing into practice? This session will provide a primer on commercial green leases and showcase successes and challenges faced by leading organizations that are implementing lease clauses to accelerate and achieve energy performance goals.

**Panelists**
- **Jeffrey Lesk**, Nixon Peabody
- **Becca Rushin**, Jamestown Properties
- **Brant Smith**, NEO Realty Group

**Moderator**
- **Deb Cloutier**, JDM Associates
**WEDNESDAY: 1:30 – 3:00 PM**

**DATA CENTER TRACK**

**PUE Baselining: Methods and Resources**

ROOM Virginia A
LEVEL Lobby

DOE will begin this session by providing an overview of PUE baselining strategies that address various challenges reported by Better Buildings Challenge and Accelerator partners.

**INDUSTRIAL TRACK**

**The Role of Energy Efficiency in a New Manufacturing Energy Landscape**

ROOM Washington 4
LEVEL Exhibition

The industrial energy landscape is changing in profound ways, with new supplies of domestic natural gas driving prices down and helping improve the competitive positioning of U.S. manufacturers. Panelists in this session will provide an overview of the industrial energy landscape, its impact on manufacturing competitiveness, and the continuing importance of industrial energy efficiency.

**MULTIFAMILY TRACK**

**How to Get to Zero Energy in Multifamily**

ROOM Roosevelt 2
LEVEL Exhibition

By installing on-site renewable sources and integrating energy-efficient design approaches, buildings can produce all of the energy they use. This session examines case studies and resources available to reaching zero net energy performance in multifamily buildings.

**Marketing Your Green Assets to Attract Residents**

ROOM Roosevelt 1
LEVEL Exhibition

For multifamily developers that do not receive federal subsidies, actively marketing energy efficiency and other sustainability measures can catch the attention of potential tenants. Learn from other Partners about how to attract residents by promoting your work to cut energy costs.

**PANELISTS**

**PANELISTS**

**PANELISTS**

**PANELISTS**

**PANELISTS**

Steve Greenberg, Lawrence Berkeley National Laboratory
Steve Hammond, National Renewable Energy Laboratory

Walt Brockway, Alcoa
Tom Lorenz, Energy Information Administration
Sharon Nolen, Eastman Chemical Company

Gina Ciganik, Aeon
Tabitha Crawford, Balfour Beatty Communities
Benjamin Knopp, Community Housing Partners

John Corcoran, Corcoran Management
Krista Egger, Enterprise Community Partners
Jill Ziegler, Forest City

Moderator
Elena Berger, DOE
Moderator
Neal Elliot, ACEEE
Moderator
Ralph DiNola, New Buildings Institute
Moderator
Kevin Bush, HUD

Learn more at energy.gov/betterbuildings/summit
Achieving Financial Independence: Lessons on How to Create Sustainable Financing for Your Programs and Projects

**ROOM** Roosevelt 4
**LEVEL** Exhibition

This session will highlight state and local government agencies that are using innovative mechanisms to create sustainable funding streams for their programs.

Participants will hear from successful policy implementers on practical strategies to build political support and momentum around energy efficiency policies. Presenters will share their efforts and results from the regional, state, and local perspectives.

**PANELISTS**
- Jennifer Gunby, Kansas City, MO
- Brendon Slotterback, Minneapolis, MN
- John Sykes, Interfaith Power and Light

**Moderator**
Caroline Keicher, Institute for Market Transformation

Developing Momentum for Clean Energy Policy

**ROOM** Roosevelt 5
**LEVEL** Exhibition

State and local governments are increasingly creating plans to reduce greenhouse gas emissions using energy efficiency. Presenters include Illinois on its efforts to position energy efficiency and renewable energy as primary options for environmental compliance; Houston and its work on the Mayors’ National Climate Action Agenda; and New York State and Yonkers on New York’s Five Cities program, which works with cities to develop local components to state energy and climate targets.

**PANELISTS**
- Lisa Lin, Houston, TX
- Molly Lunn, Illinois Energy Office
- Katherine Rougeux, New York Power Authority
- Brad Tito, Yonkers, NY

**Moderator**
Amy Royden-Bloom, DOE

Harnessing the Power of Data to Improve Building Performance

**ROOM** Roosevelt 3
**LEVEL** Exhibition

Benchmarking and data management practices are generating a rich collection of readily accessible energy performance data. Learn how state and local governments are driving savings in public and private buildings, from strategic management and commissioning of public buildings to making the energy performance of commercial and multifamily buildings available and meaningful to prospective tenants and buyers.

**PANELISTS**
- Gabriel Cowles, New York Power Authority
- Emily Levin, VEIC
- Ron Mohr, Los Angeles, CA
- Zach Wilson, New City Energy

**Moderator**
Mona Khalil, DOE
WEDNESDAY: 1:30–3:00 PM

RESIDENTIAL TRACK

Scaling Residential Energy Efficiency Programs

ROOM  Delaware B
LEVEL  Lobby

What approaches did grantees in a $500 million Recovery Act grant program and other residential upgrade programs take to scale operations to achieve over 100,000 upgrades? Learn about the financing, data, contractor, customer engagement, and target marketing decisions that made the difference.

PANELISTS
Rachel Cluett, ACEEE
Patrick MacRoy, Elevate Energy
Derek Smith, Clean Energy Works
Moderator
Danielle Sass Byrnett, DOE

Solving the Problems of Residential Energy Efficiency Programs: The Mastermind Session

ROOM  Delaware A
LEVEL  Lobby

Join the Better Buildings Residential Network for a Mastermind session—a problem-solving facilitation method from the business sector, which will use one member’s current challenge and draw on a combined 100+ years of experience of the other participants to generate solutions. All members share common problems and opportunities. The ideas we generate for one will benefit all of us.

PANELISTS
Michael Walton, Green Spaces Chattanooga
Moderator
Jonathan Cohen, DOE
WEDNESDAY: 3:30–5:00 PM

COMMERCIAL TRACK

The Art and Science of Appraising Green Buildings

ROOM Virginia C
LEVEL Lobby

Appraisers’ understanding of green building benefits is critical to ensuring that buyers purchase buildings that meet their comfort and operational expectations, and sellers receive appropriate compensation for the effort spent improving and maintaining their buildings. As the sustainable real estate industry becomes more sophisticated, appraisers and underwriters need better training and guidance, as well as information about individual buildings and their market comparisons. This session will cover a range of resources being developed to support green appraisals, and the breakthroughs and challenges that owners and lenders have experienced when implementing them.

PANELISTS
Jim Landau, MetLife
Cliff Majersik, Institute for Market Transformation
Genevieve Sherman, Connecticut Green Bank
Moderator
Elena Alschuler, DOE

Retrofits: Making the Most of What You Have

ROOM Maryland A
LEVEL Lobby

As facility managers face the dilemma of replacing or upgrading aging equipment, it requires careful, and sometimes nuanced calculations on the costs and benefits. In this session, we will hear how leading companies faced with the replace or retrofit scenario have opted to retrofit. Panelists will share their stories, logic, and experiences retrofitting lights, air conditioners, and refrigeration.

PANELISTS
Mike Ellinger, Whole Foods Market
Russ Subjinske, Wendy’s
Brenna Walraven, Corporate Sustainability Strategies, Inc.
Moderator
Andy Mitchell, DOE

Sector Specific Building Tours (Invite Only)

ROOM 815 Connecticut Avenue
LEVEL Lobby

Come see energy-efficient buildings by touring partner showcase buildings across the nation’s capital. For those registered, please meet in the Main Lobby of the Marriott Wardman Park Hotel at 3:10 PM.

815 Connecticut Avenue
815 Connecticut Avenue, NW, Washington, D.C. 20006
This 12-story, class-A office building underwent energy improvements as part of a renovation by manager and Better Buildings Challenge partner Transwestern. Upgraded chillers, high-efficiency lighting, and condenser water loops resulted in 30% energy savings.
To sign up, contact: Jake Dowling, jdowling@jdmgmt.com, 703.873.7143

Hotel Monaco
700 F Street, NW, Washington, D.C. 20004
Built in 1842, the Hotel Monaco is a General Services Administration property and Better Buildings Challenge showcase project for the District of Columbia. The building has shown 28% energy savings with upgrades to chillers, lighting, air handling units, BAS, boiler, and more.
To sign up, contact: Jen Singer, jen.singer@icfi.com, 703.934.3889

George Washington University
2300 Eye Street, NW, Washington, D.C. 20037
Milliken Hall, a LEED Platinum new construction classroom building, features chilled beam cooling, a green roof, and rainwater harvesting. Participants also will learn about the recent LEED Gold laboratory renovation in Ross Hall, which includes HVAC optimization, enhanced commissioning, and performance optimization.
To sign up, contact: Erin Richmond, erichmond@jdmgmt.com, 571.237.7628

Starbucks Coffee
1730 Pennsylvania Avenue, NW, Washington, D.C. 20006
Better Buildings Challenge partner Starbucks Coffee Company achieved a 17% reduction in energy use through energy upgrades to refrigeration and food cases, lighting, dish machines, and HVAC systems, as well as ice machine and brewer equipment change outs.
To sign up, contact: Cara Bastoni, cara.bastoni@icfi.com, 703.225.2915
The Value Proposition for Data Center Optimization

ROOM Virginia A
LEVEL Lobby
Learn how industry leaders are driving energy and cost savings through a range of solutions. Panelists will share summaries of specific technological changes and/or improvements through consolidation and the tangible financial and environmental benefits they produced.

PANELISTS
Matt Gleason, CoreSite
Steve Naumann, Social Security Administration
Paul Santana, eBay
Moderator
Dale Sartor, Lawrence Berkeley National Laboratory

Ending the Tyranny of the 2-Year Payback: Effective Industrial Financing Strategies

ROOM Washington 4
LEVEL Exhibition
Manufacturers typically subject energy efficiency projects to strict return on investment and payback rules. While many companies only fund projects that pay for themselves in 2 years or less, manufacturers represented on this panel will discuss mechanisms they have employed to stretch or work around conservative energy efficiency investment rules.

PANELISTS
Bob Bechtold, Harbec
Gary Londo, General Motors
Richard Russell, Nissan North America
Bruce Schlein, Citi
Moderator
Andre de Fontaine, DOE

Financing Renewables in Multifamily

ROOM Roosevelt 1 & 2
LEVEL Exhibition
Many affordable multifamily housing developers are finding innovative ways to finance clean energy. Learn about recent solar PV and storage projects from leading housing owners and resilient-power advocates.

PANELISTS
Darien Crimmin, WinnCompanies
Jeff Greenberger, Affordable Community Energy
Jared Lang, National Housing Trust
Rob Sanders, Clean Energy Group
Moderator
Mara Blitzer, HUD
Accessing Secondary Markets to Stimulate Financing for Energy Efficiency Investments

**ROOM** Roosevelt 3  
**LEVEL** Exhibition

This panel will showcase recent developments and successes of selling energy efficiency loan portfolios to secondary markets. Panelists will also discuss how to address the continued need for consistent data across programs to create investor confidence.

**PANELISTS**  
Cisco DeVries, Renewable Funding  
Benjamin Healey, Connecticut Green Bank  
Nicholas Whitcombe, NY Green Bank

**Moderator**  
Emily Martin Fadrhonc, Lawrence Berkeley National Laboratory

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City-Led Challenge Program Peer Huddle

**ROOM** Roosevelt 4  
**LEVEL** Exhibition

Leaders of energy efficiency challenge programs, and those interested in launching challenge programs in their jurisdictions, are invited to participate in a facilitated peer discussion on strategies to design, administer, and grow programs in their respective markets.

**PANELISTS**  
Matt Cox, Atlanta, GA  
Eric Friedman, Massachusetts Department of Energy Resources  
Jay Luboff, Navigant Consulting

**Moderator**  
Michael Li, DOE

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Measuring Savings and Tracking Performance in the Public Sector

**ROOM** Roosevelt 5  
**LEVEL** Exhibition

As local governments begin to implement energy efficiency policies and programs, the need to better understand energy savings becomes important. What energy savings can we attribute to benchmarking and disclosure laws? How do we apply data in Portfolio Manager and verify that the energy reductions were a result of efficiency practices? In this session, we will explore ways that local governments can measure these savings.

**PANELISTS**  
Heidi Burkart, Camas School District  
John Phelan, Fort Collins Utility Energy Services  
Marta Tomic, Maryland Energy Administration  
Kellie Williams, Houston Independent Public Schools

**Moderator**  
Crystal McDonald, DOE

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Ramping up Technology to Mitigate Climate Change: Innovations in Project Design and Program Development

**ROOM** Washington 5  
**LEVEL** Exhibition

The development and deployment of renewable energy technologies are important parts of our “all of the above” strategy to mitigate climate change. In this session, hear from a state government, local government, and K-12 school district that have developed innovative programs or approaches to clean energy project design including microgrids, renewable energy technologies, and energy master planning.

**PANELISTS**  
Heidi Burkart, Camas School District  
John Phelan, Fort Collins Utility Energy Services  
Marta Tomic, Maryland Energy Administration  
Kellie Williams, Houston Independent Public Schools

**Moderator**  
Crystal McDonald, DOE
RESIDENTIAL TRACK

Better Buildings Residential Network/Georgetown University Energy Prize (GUEP) Participant Meet-Up

ROOM Delaware A
LEVEL Lobby

Meet with Better Buildings Residential Network members and discuss a vision for the coming year. A national GUEP meeting will take place right afterward, where participating communities will discuss the competition in the coming year and share challenges, strategies for success, and ways to maximize the impact of achieving energy goals.

Moderators
Jonathan Cohen, DOE
Chris Nelson, Georgetown University

ALL TRACKS

Combined Heat and Power Meet-Up

ROOM Wilson C
LEVEL Mezzanine

What does combined heat and power (CHP) mean to you? Join us in a lively discussion on CHP and how it might work in your facility. CHP experts will be available to talk about the direct technical assistance that they provide via DOE funding to help you get CHP installed in your facility.

Moderator
Claudia Tighe, DOE
SPECIAL EVENTS

**Speed-Dating:**
Learn About Offerings from
Better Buildings Challenge
Financial Allies

(Wednesday and Thursday: All Day)

**ROOM**  Washington 6  
**LEVEL**  Exhibition

Interested attendees will be matched with Financial Allies for 20-minute “speed dating” sessions to learn about financial offerings for their building portfolios. Attendees will complete a short questionnaire in advance of the Summit to identify specific financing questions and needs. There are 25 Allies providing a wide range of financing solutions, including PACE, ESPCs, insurance, bonds, and more, for all building types.

**Making the News:**
Media Views on Issues of
Energy Efficiency and Leadership

(Thursday: 9:00–9:30 AM)

**ROOM**  Salon 1 & 2  
**LEVEL**  Lobby

Listen in on a panel of national media reporters and journalists who report on energy and environmental issues to learn what types of stories they’re looking for, and how to tell your building’s energy savings story. At the end of the panel discussion, attendees will have the chance to ask reporters for instant feedback on potential Better Buildings Challenge stories.

**PANELISTS**

- **Jon Fahey**, Associated Press
- **Matthew Philips**, Bloomberg Businessweek
- **Scott Tong**, Marketplace

**Moderator**

Maria T. Vargas, DOE
THURSDAY: 10:00–11:30 AM

DATA-DRIVEN RESULTS TRACK

DOE Asset Score: Coming to a Building Near You

ROOM Roosevelt 4
LEVEL Exhibition

Property owners, energy efficiency services and engineering companies, architecture firms, and state and local governments are using the Building Energy Asset Score to inform building energy efficiency investment opportunities. Panelists will discuss the value of the Asset Score and its role in the energy efficiency marketplace.

PANELISTS
Aaron Mehta, FS Energy
Greg Thomas, Performance Systems Development

Moderator
Cody Taylor, DOE

Getting the Savings You Want: Strategies for Ensuring Real Energy Savings in New Construction and Existing Building Retrofits

ROOM Delaware A
LEVEL Lobby

Organizations are setting aggressive Watts per square foot requirements for new construction buildings and holding design and construction teams accountable for results. New models are emerging for ensuring that the performance of existing building energy retrofits meets expectations. Learn the ins and outs of these strategies from colleagues in the energy trenches.

PANELISTS
Chris Lohman, Energi
Paul Torcellini, National Renewable Energy Laboratory
Corey Zarecki, Gundersen Health System

Moderator
Holly Carr, DOE
Capturing the Value of Efficiency: Incorporating Energy Performance into Commercial Real Estate Investment Practices

Financing Energy Improvements Through the Utility Bill

Savings Bonanza: Industrial Energy Efficiency Programs That Work

ROOM Roosevelt 3
LEVEL Exhibition

There is increasing anecdotal evidence showing the financial benefits of high-performing commercial real estate, seen not just in reduced operating costs, but also in improved rents, vacancy levels, occupant productivity, and sale prices. This panel discussion will provide insights from industry innovators on how they are positioning energy efficiency as a prudent investment strategy, and explore the design of future research and other interventions to further prove the benefits.

ROOM Roosevelt 2
LEVEL Exhibition

States, utilities, and utility cooperatives have all found success with on-bill financing programs. This session will highlight how this innovative financing product is helping reach unique segments of the efficiency market.

ROOM Roosevelt 1
LEVEL Exhibition

Industrial customers have much to gain from partnering with their utilities on energy efficiency, but a series of barriers have led to lower industrial participation rates in utility programs relative to other sectors. This panel will highlight effective utility programs for industrial customers, identifying key attributes that drive greater industrial participation and lead to significant energy and cost savings.

PANELISTS
Ari Frankel, Deutsche Asset Wealth Management
Phil Payne, Ginkgo Residential
Will Teichman, Kimco Realty

Moderator
Elena Alschuler, DOE

PANELISTS
Tammy Agard, Arkansas
Jeff Pitkin, NYSERDA
Frank Spasaro, Pacific Gas & Electric

Moderator
Eleni Pelican, DOE

PANELISTS
Greg Baker, Efficiency Vermont
Jason Krupp, Tennessee Valley Authority
Rick Pettibone, Franklin Energy
Gregory Walthers, Franklin Energy

Moderator
Sandy Glatt, DOE
Adaptive Reuse: Reimagining Existing Buildings

ROOM Virginia B
LEVEL Lobby

Prolonging the lives of buildings through reuse not only retains a sense of place, but also promotes energy conservation. Hear how RUPCO turned an abandoned factory in Kingston, NY, into a vibrant anchor for the arts community with housing and galleries, while yielding significant energy savings. Other case studies explore the intersection of preservation and sustainability at the University of Virginia and nationally.

PANELISTS
Peter Bell, National Housing & Rehabilitation Association
Kevin O’Connor, Rural Ulster Preservation Company
Kristine Vey, University of Virginia

Moderator
Rachel Isacoff, HUD

Integrating Solar PV: Strategies and Case Studies

ROOM Virginia C
LEVEL Lobby

In this session, we will present strategies on how to best make the business case for solar PV for different sectors and hear a case study on a successful implementation.

PANELISTS
Eugenia Gregorio, The Tower Companies
Matt Lynn, Lend Lease
Mark Manthy, Direct Energy Solar

Moderator
Jay Paidipati, Navigant Consulting

Managing Data Centers in Multi-Use Environments

ROOM Virginia A
LEVEL Lobby

This session will address the challenges encountered while implementing energy efficiency improvements in existing data centers within multi-use buildings. Panelists will share successful strategies on crossing logistical and financial barriers as well as cost-effective metering strategies to allow PUE tracking of their data centers within the context of the surrounding buildings and/or infrastructure.

PANELISTS
Jordon Dagg, Schneider Electric
Steve Hammond, National Renewable Energy Laboratory
Bill (William) Lakos, Michigan State University

Moderator
Dale Sartor, Lawrence Berkeley National Laboratory
THURSDAY: 10:00–11:30 AM

PORTFOLIO-WIDE STRATEGIES TRACK

Driving Energy Savings in the Supply Chain

ROOM Roosevelt 5
LEVEL Exhibition

Large companies are increasingly looking to advance energy efficiency within their supply chains to control costs, minimize risk, and improve their corporate sustainability credentials. As they do, a key issue is understanding the unique needs and challenges facing small businesses—a topic that is also relevant for state and local governments interested in advancing energy efficiency among small manufacturers located in their jurisdictions. Speakers on this panel will explore this issue from a variety of different perspectives.

PANELISTS
Paul Bertram, Kingspan Insulated Metal Panels North America
Mike Muller, Rutgers University
Catherine Potter, Johnson Controls

Moderator
John Smegal, DOE

Intelligent Efficiency: Delivering 21st Century Energy Savings

ROOM Maryland B
LEVEL Exhibition

Low-cost sensors, ubiquitous Internet connectivity, and other technological advances are opening new doors for energy efficiency in homes, buildings, and factories. Sometimes called “intelligent efficiency,” this network-based, high-tech approach could cut the nation’s energy use by 12% to 24% according to some experts. Panelists will discuss new opportunities, developments, and challenges in this emerging field.

PANELISTS
Paul Hamilton, Schneider Electric
Marshall Runkel, Clean Energy Works
Theresa A. Spurling-Wood, Alachua County Public Schools

Moderator
Ethan Rogers, ACEEE

Seize the Day: Turning Building Life-Cycle Milestones into Energy Efficiency Opportunities

ROOM Washington 5
LEVEL Exhibition

There are numerous milestones in the building life-cycle in which energy efficiency can be integrated—refinancing, aesthetic renovations, environmental compliance, etc. Learn how innovative organizations are leveraging these opportunities to drive energy savings, improve project payback, and infuse efficiency into the DNA of their organizations.

PANELISTS
Peter Brandon, Hillsboro, OR
Darien Crimmin, WinnCompanies
Jesse Warren, University of Virginia

Moderator
Elizabeth Stuart, Lawrence Berkeley National Laboratory
**DATA-DRIVEN RESULTS TRACK**

Finding and Funding an Energy Management Information System That Is Right for Your Building Portfolio

**ROOM** Roosevelt 4  
**LEVEL** Exhibition

Energy management information systems (EMIs) are powerful; organizations that have implemented them have reported savings of up to 20% due to better energy performance and operations. However, finding the right EMIS for your organization can be difficult, and securing funding can be even harder. At this session, hear from organizations on how they funded their EMISs and learn about options and resources available for yours.

**PANELISTS**
- Eugenia Gregorio, The Tower Companies
- Pat Lydon, LSO Supply Chain Management
- Russell Subjinske, Wendy’s
- Jon Utech, Cleveland Clinic

**Moderator**
Jessica Granderson, Lawrence Berkeley National Laboratory

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**SPECIAL EVENT: WORKING LUNCH**

Better Buildings Challenge Partner Lunch Panel and Twitter Town Hall

Bigger, Faster, Better: Better Buildings Challenge partners Going Above and Beyond for Energy Reductions

**ROOM** Salon 1 & 2  
**LEVEL** Lobby

Meet Better Buildings Challenge partners who are taking their energy commitments to new levels. Leaders from these organizations describe the key elements of their success in the Challenge so far, and the next milestones they are striving for in energy reduction. This moderated panel discussion will be open to questions from the audience and will be live tweeted as part of a Twitter Town Hall. Follow the discussion at #BBSummit2015.

**PANELISTS**
- Wendell Brase, University of California, Irvine
- Amy Hargroves, Sprint
- Kathy Loftus, Whole Foods Market
- Susan Rochford, Legrand North America
- Jon Utech, Cleveland Clinic

**Moderator**
Maria T. Vargas, DOE
Advancing Commercial and Industrial Energy Efficiency Policies and Programs

ROOM | Roosevelt 1
LEVEL | Exhibition

Across the country, states are working with policy-makers, regulators, utilities, and end users to accelerate the adoption of energy efficiency and combined heat and power (CHP). Learn from State Energy Office representatives about their goals and recent strategies for driving deployment of CHP and energy efficiency in the commercial, institutional, and industrial sectors.

PANELISTS
Jessica Burdette, Minnesota Department of Commerce
Michael Leslie, Maryland Energy Administration
Marty Stipe, Oregon Department of Energy

Moderator
Jay Wrobel, DOE

Leveraging the Real Estate Industry to Increase Energy Efficiency Upgrades

ROOM | Roosevelt 3
LEVEL | Exhibition

The full value of energy efficiency and high-performance homes has yet to be represented in the market; however, a number of “green” real estate industry initiatives are emerging. Energy efficiency programs are beginning to get involved at specific points in the real estate transaction chain. Hear the first three key steps program managers can take to engage the real estate industry.

PANELISTS
Denee Evans, Council of Multiple Listing Services
Emily Levin, VEIC
Elizabeth Stuart, Lawrence Berkeley National Laboratory
Laura Stukel, Elevate Energy

Moderator
Joan Glickman, DOE

PACE: Innovations in Energy Efficiency Financing

ROOM | Roosevelt 2
LEVEL | Exhibition

This session will highlight innovative and successful models of commercial PACE programs and discuss how they help provide access to low-cost, long-term capital to finance improvements to public and private buildings.

PANELISTS
Jody Clark, Hannon Armstrong
Ben Healey, Connecticut Green Bank
Erick Shambarger, Milwaukee, WI

Moderator
Eleni Pelican, DOE
THURSDAY: 1:30–3:00 PM

HIGH-IMPACT TECHNOLOGIES TRACK

High-Performance Troffer Lighting Solutions

ROOM Virginia C
LEVEL Lobby

Recessed troffers represent over half of all commercial fluorescent lighting fixtures and consume more than 87 TWh of electricity annually. Come learn how you could achieve 45% energy savings or more by applying the Better Buildings Alliance troffer specification; learn about free tools, resources, and technical assistance available through the Interior Lighting Campaign; and hear from building owners who will share results and lessons learned from recent troffer lighting upgrade projects. Participants will also learn how to join the Interior Lighting Campaign focused on troffer lighting with controls.

PANELISTS
William Evans, Princeton University
Chris Magee, MGM Resorts International

Moderator
Michael Myer, Pacific Northwest National Laboratory

HVAC Solutions for Small and Large Buildings, Part 1: Life-Cycle Management Approach for Packaged HVAC

ROOM Virginia A
LEVEL Lobby

Commercial space conditioning (heating, cooling, and ventilation) accounts for about 7.0 quads of primary energy per year, or about 40% of total commercial use in the United States. Come learn about new research into the next generation of HVAC equipment and how proper technology planning can lead to incredible savings. Part 1 will focus on packaged HVAC systems that are treated as individual equipment with minimal maintenance.

PANELISTS
Pat Hagan, Wawa
Brian Walser, Bank of America

Moderator
Michael Deru, National Renewable Energy Laboratory

Zero Energy Buildings: Defining Them and Building Them

ROOM Virginia B
LEVEL Lobby

Zero energy buildings are all the rage, but what exactly does it mean to achieve this level of performance? Learn about a national effort to develop definitions and standards for zero energy buildings, campuses, and facilities. Then hear from building owners in the retail, residential, and healthcare sectors about their zero energy projects.

PANELISTS
Chad Harrell, Lend Lease
Yuri Millo, Better Place International
Jason Robbins, Walgreens

Moderators
Cody Taylor, DOE
## PORTFOLIO-WIDE STRATEGIES TRACK

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Strategic Energy Management approaches, including ISO 50001 and DOE’s Superior Energy Performance Program, can lead to continuous improvement in energy performance and help companies uncover a wealth of low-cost saving opportunities. Hear how these companies and organizations have implemented strategic energy management programs to improve energy efficiency and reduce costs.

### Now That We’ve Dipped Our Toe in... Water Pilot Lessons Learned

A select group of Better Buildings Challenge partners are working with DOE to set water-saving goals, track progress, and share solutions with their peers. This panel will feature a cross-sector group of organizations sharing early results and key insights on strategies they have used to improve water efficiency.

**PANELISTS**
- Len Hoey, North Carolina
- Jared Lang, National Housing Trust
- Heidi McKenzie, Ford
- Anne White, Transwestern

**Moderator**
- Steven Goldman, Environmental Defense Fund

### Strengthening Resiliency with Clean Energy

As the impacts of climate change are felt more locally and deeply, cities, states, companies, and institutions are increasingly looking for ways to bolster their readiness for natural disasters, energy supply disruptions, and sea level rise. Attendees will learn how cities, states, campuses, and businesses are strengthening the climate resiliency of their communities and operations by harnessing energy efficiency, renewable energy, and district energy systems.

**PANELISTS**
- Andrew Peterman, Arup
- Travis Sheehan, Boston, MA
- Michael Winka, New Jersey Board of Public Utilities

**Moderator**
- Sarah Zaleski, DOE

### Using Technology to Engage Tenants and Save Energy

Building owners and operators are increasingly using smart meters and apps to encourage occupants to cut energy consumption. Learn from the commercial, multifamily, and educational building sectors on how to promote energy efficiency behavior through technology.

**PANELISTS**
- Jackie Dadakis, Green Coast
- Lloyd Kass, New York Power Authority
- Jeff Wrigley, University of Utah

**Moderator**
- Kevin Bush, HUD
Many utilities are helping commercial property owners measure building energy performance by providing access to whole-building energy data. Panelists will discuss the types of data access solutions being offered by utilities and the challenges that remain, and provide an update on nationwide progress and the role of the Better Buildings Energy Data Accelerator.

**PANELISTS**

**Accelerating Energy Data Access for Building Owners**

James Cater, Eversource
Phillip Henderson, Natural Resources Defense Council

Moderator
Monisha Shah, National Renewable Energy Laboratory

**Drive Action Through Energy Data Visualization**

Aaron Bastian, Atlanta, GA
Cody David, Southface/Atlanta, GA
Andrew Sharp, Philadelphia, PA
Dan Walworth, HEI Hotels & Resorts

Moderator
Sarah Zaleski, DOE

**Energy Savings Performance Contracting M&V**

Dave Birr, Independent Consultant
Phil Coleman, Lawrence Berkeley National Laboratory
Kevin Vaughn, Schneider Electric

Moderator
Michael Li, DOE
THURSDAY: 3:30 – 5:00 PM

FINANCING AND PARTNERSHIPS TRACK

Engaging the Homeowner to Learn about Energy Efficiency

ROOM  Roosevelt 3
LEVEL  Exhibition

Who hasn’t heard the residential energy efficiency lament that homeowners do not understand energy efficiency and will not spend significant sums of money on something they don’t understand? How can programs talk with different audiences, such as low-, middle-, and high-income markets? Join the Better Buildings Residential Network to learn from examples that have worked well and failed miserably.

FREE MONEY!: Working with Utilities to Make Your Energy Reduction Dreams Come True

ROOM  Roosevelt 2
LEVEL  Exhibition

Is your organization taking advantage of the millions of dollars utilities make available through energy efficiency programs every year? E Source provides an overview of trends in utility incentive programs, then Better Buildings partners describe their successful collaborations with utilities to make use of existing incentives and design custom incentives tailored to their buildings’ energy uses.

Working with DOE National Labs: Opportunities for Collaboration

ROOM  Roosevelt 1
LEVEL  Exhibition

DOE’s national labs are powerful engines for clean energy innovation. In this session, speakers from the national labs will describe how the private sector can engage with labs to improve energy efficiency, enhance competitiveness, and lower carbon pollution. Panelists will also discuss efforts to assist small businesses, promote entrepreneurship among employees, and provide access to specialized tools and facilities.

PANELISTS

Engaging the Homeowner to Learn about Energy Efficiency

Diane W. Duva, Connecticut Department of Energy and Environmental Protection
Beth Galante, PosiGen
Devon Hartman, Community Home Energy Retrofit Project

Moderator
Jonathan Cohen, DOE

FREE MONEY!: Working with Utilities to Make Your Energy Reduction Dreams Come True

Ken Black, E Source
Mike Ellinger, Whole Foods Market
Juliann Rogers, CKE Restaurant Holdings Inc.

Moderator
Holly Carr, DOE

Working with DOE National Labs: Opportunities for Collaboration

William Farris, National Renewable Energy Laboratory
Ashok Gadgil, Lawrence Berkeley National Laboratory
Johney Green, Oak Ridge National Laboratory
Marianne Walck, Sandia National Laboratories

Moderator
Jetta Wong, DOE
**HIGH-IMPACT TECHNOLOGIES TRACK**

**Combined Heat & Power: Opportunities for Energy Efficiency and Resiliency**

**ROOM** Virginia B  
**LEVEL** Lobby

Panelists will describe how CHP has supported their portfolio energy reduction goals and resiliency concerns. We’ll hear from an industrial Partner that is going back for more CHP, a university that is practicing what it teaches, and a financier who sees CHP’s value in the marketplace. Come see what CHP has to offer you.

**PANELISTS**  
Bob Bechtold, Harbec  
Jack Colby, North Carolina State University  
Claudia Meer, Clark Financial Services

**Moderator**  
Claudia Tighe, DOE

**High-Performance Street, Area, and Parking Lighting Solutions**

**ROOM** Virginia C  
**LEVEL** Lobby

Street lamps, area lighting, and parking lighting are some of the most cost-effective opportunities for energy savings, yet they often remain untapped. Hear from organizations that are saving up to 90% on lighting costs, and learn about free technical assistance, resources, and programs like the Lighting Energy Efficiency in Parking Campaign, Outdoor Lighting Accelerator, and Green Garage Certification Program.

**PANELISTS**  
Nate Mitten, Kimco  
Marissa Thorne, Brookfield Office Properties  
Jennifer Young, Southeast Michigan Regional Energy Office

**Moderator**  
Paul Wessel, Green Parking Council

**HVAC Solutions for Small and Large Buildings, Part 2: Large HVAC Systems**

**ROOM** Virginia A  
**LEVEL** Lobby

Commercial space conditioning (heating, cooling, and ventilation) accounts for about 7.0 quads of primary energy per year, or about 40% of total commercial use in the United States. Come learn about energy-savings opportunities through managing large, complex HVAC systems and proper staff training. Part 2 will focus on central plant HVAC systems.

**PANELISTS**  
Ed Hegwood, Rocky Mountain Education Center  
John Lambert, Bank of America

**Moderator**  
Michael Deru, National Renewable Energy Laboratory
Companies that develop comprehensive employee engagement programs achieve greater energy and water savings than is possible by simply appointing a sustainability champion. Learn strategies to effectively communicate with and motivate behavior change from the people who hold resource consumption in their hands every day, including specific language, techniques for gaining buy-in, and even an app!

**PANELISTS**
Dan Cooper, Toyota  
Chris Magee, MGM Resorts International  
Kathy Pecora, Will County, IL  
Susan Rochford, Legrand North America  
Moderator  
Sandy Glatt, DOE

Plug-in electric vehicle charging access at the workplace has nearly doubled in the last two years as employers of all sectors and sizes are increasingly offering workplace charging. Hear from a few of these employers how workplace charging is helping them to reduce petroleum use and GHG emissions, attract and retain talented employees, and demonstrate leadership and environmental stewardship in their communities.

**PANELISTS**
Peter B Landom, Hillsboro, OR  
Darrel Carter, Sprint  
Emily Levin, VEIC  
Moderator  
Sarah Olexsak, DOE
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<th>Virginia B</th>
<th>Roosevelt 2</th>
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<td>LEVEL</td>
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<td>Lobby</td>
<td>Exhibition</td>
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**Better Buildings Accelerator: Energy Data Meeting**  
(Invite Only)  
(8:30 AM – 3:00 PM)

- **Better Buildings Accelerator: Industrial Superior Energy Performance**  
  (Invite Only)  
  (8:30 AM – 12:00 PM)

- **Better Buildings Accelerator: Outdoor Lighting Technical Assistance Office Hours**  
  (Invite Only)  
  (8:30 – 10:00 AM and 1:30 – 3:00 PM)

**ROOM**  
**LEVEL**

**Better Buildings Energy Data Accelerator partners and stakeholders will present progress on their efforts to achieve the overall objective of the Accelerator—provide whole-building data access for 20% of buildings in their local jurisdictions. Best practices will be presented and discussed on the following topics: system design and implementation and developing and executing an effective stakeholder engagement strategy to address barriers to whole-building data access.**

**ROOM Virginia B**  
**LEVEL Lobby**

**Better Buildings Superior Energy Performance (SEP) enterprise-wide and the ratepayer-funded Accelerator partners will meet to discuss progress toward annual goals. We will demonstrate the new ratepayer-funded “Toolkit” along with discussions on tactics for customer recruitment. The enterprise-wide Partners will be discussing opportunities and challenges to implement ISO 50001 and SEP across a cohort of facilities.**

**ROOM Roosevelt 2**  
**LEVEL Exhibition**

**This session is designed for Outdoor Lighting Accelerator partners and guests to receive one-on-one technical assistance. Meetings are available 8:30–10:00 AM and 1:30–3:00 PM, and should be scheduled in advance. Offered in coordination with the Outdoor Lighting Accelerator partner meetings, these technical assistance meetings are an opportunity to dig deeper into a specific topic, and explore the possible solutions to help address your organization’s needs.**

**Moderator**  
Monisha Shah, National Renewable Energy Laboratory

**Moderators**  
Sandy Glatt and Paul Scheihing, DOE

**Moderator**  
Crystal McDonald, DOE
Workshop on Multifamily Efficiency Programs

(8:30 AM – 12:00 PM)

ROOM  Washington 4
LEVEL  Lobby

This session is for building owners/operators and utilities that serve them to discuss opportunities to increase multifamily participation in efficiency programs. Topics include: improving collaboration in benchmarking; one-stop-shop models for comprehensive deep retrofits, considering methods that can be adopted by utilities; and strategically aligning whole-building measures with points of refinancing.

PANELISTS 1
Toby Ast, Preservation of Affordable Housing
Ed Connelly, New Ecology

PANELISTS 2
Abby Corso, Elevate Energy
Caitlin Rood, Mercy Housing

PANELISTS 3
Ainsley Close, Washington State Housing Finance Commission
Rachael Fredericks, Public Service Enterprise Group
Keith Kindel, District of Columbia Housing Authority
Jogchum Poodt, DC Sustainable Energy Utility

Moderators
Julia Koster, HUD
Lauren Ross, ACEEE
This facilitated workshop will review best practices for establishing a robust process for tracking utility billing data in the public sector. Participants will explore strategies for streamlining access to data and employing it to reach energy reduction goals. Presentations from state/local governments will be followed by breakout discussions focused on successful approaches, current challenges, and opportunities.

**Moderator**
Mona Khalil, DOE

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School facilities managers are looking for ways to streamline the implementation of clean energy technologies for high-performance schools that foster safe, healthy, and optimum learning environments. This session will include special presentations and group discussion for K-12 BBC Partners and other city and state stakeholders engaged in managing education campuses.

**Moderator**
Crystal McDonald, DOE

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This is a closed session by invite only for the SEP Competitive states working on sustainable financing for retrofits.

**Moderator**
Alice Dasek, DOE
COMMERCIAL TRACK

Greening Grants: Minimizing Energy and Environmental Impacts of Federally Funded Research (Invite Only)

ROOM Delaware B
LEVEL Lobby

As follow-up to the Better Buildings Case Competition, this meeting will focus on ways to connect sustainability to federally supported research. This has the dual benefit of reducing the environmental footprint of research and maximizing the effective use of federal dollars.

PANELISTS
Chuck Frost, University of California, Berkeley
Kathryn Ramirez-Aguilar, University of Colorado, Boulder
Phil Wirdzek, I2SL

Moderator
Andy Mitchell, DOE

High-Impact Technologies Forum: Harnessing American Ingenuity and Innovation

ROOM Maryland B
LEVEL Exhibition

Join representatives from federal agencies for a half-day forum focused on the framework that supports partnerships and products that will drive adoption of high-impact technologies. Three topics will be: Leading Edge to Market Ready: The Federal Technology Framework; Innovative, High-Impact Technologies That You Should Know About Today; and Identifying the Next Big Thing: Tech-to-Market Projects for Next-Generation Results.

PANELISTS
Glen R. DeWillie, DoD ESTCP Energy Test Bed
Commander Matt McCann, Federal Energy Performance Contracting
Sven Mumme, DOE, ARPA-E
Chris Payne, FEMP
Pat Phelan, DOE
Kevin Powell, GSA Green Proving Ground

Moderator
Amy Jiron, DOE
FRIDAY: 10:30 AM – 12:00 PM

**BETTER BUILDINGS ACCELERATORS TRACK**

Better Buildings Accelerator: Outdoor Lighting
(Invite Only)

**ROOM** Roosevelt 2
**LEVEL** Exhibition

This session is only for Better Buildings Outdoor Lighting Accelerator partners and guest subject matter experts. This will be the first in-person meeting for Partners to network, conduct a mid-year progress review, and spotlight prevalent issues along their respective project life cycles. The expectation is to develop a list of actionable items for next steps leading to solution sets for each category of barriers to broad deployment of high-performance outdoor lighting.

**PUBLIC TRACK**

SEP Competitive Cohort Meeting:
Supporting Leadership by Example in States
(Invite Only)

**ROOM** Roosevelt 1
**LEVEL** Exhibition

This is a closed session by invite only for the SEP Competitive states working on Leadership efforts.

Moderator
Crystal McDonald, DOE

Moderator
Alice Dasek, DOE
### Exhibition Level

**Dimensions**

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<th>Rooms</th>
<th>W×L×H</th>
<th>Sq. Ft.</th>
<th>Theater</th>
<th>Schoolroom</th>
<th>Conference</th>
<th>U-Shape</th>
<th>Reception</th>
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**Room Capacity**

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Mezzanine Level