



Better Buildings Summit Program

May 27–29, 2015 ■ Washington, D.C.

AGENDA AT-A-GLANCE

WEDNESDAY, MAY 27, 2015

	COMMERCIAL TRACK	DATA CENTER TRACK	INDUSTRIAL TRACK
7:30–8:30 AM	REGISTRATION AND CONTINENTAL BREAKFAST		
8:30–9:30 AM	WELCOME & PARTNER KEYNOTE ADDRESS		
9:30–10:00 AM	BREAK		
10:00–11:30 AM	MORNING SESSIONS*		
	5 concurrent sessions; choose 1		Planning-Barriers-Solutions for Data Center Project Development Room: Virginia A
	Commercial Real Estate Meet-Up Room: Virginia C	Healthcare Meet-Up Room: Maryland A	
	Higher Education Meet-Up Room: Maryland B	Hospitality Meet-Up Room: Virginia C	
	Retail, Food Service & Grocery Meet-Up Room: Virginia B		
12:00–1:30 PM	NETWORKING LUNCH**		
1:30–3:00 PM	AFTERNOON SESSIONS*		
	5 concurrent sessions; choose 1		PUE Baselineing: Methods and Resources Room: Virginia A
	Accelerating Energy Efficiency Through the Commercial Lease Room: Virginia C	Lessons Learned and the Future of Plug Load Controls Room: Maryland C	
	Maximizing Energy Savings in Laboratories Room: Maryland B	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		
3:00–3:30 PM	BREAK		
3:30–5:00 PM	AFTERNOON SESSIONS*		
	4 concurrent sessions; choose 1	2 concurrent sessions; choose 1	2 concurrent sessions; choose 1
	The Art and Science of Appraising Green Buildings Room: Virginia C	Combined Heat and Power Meet-Up Room: Wilson C	Combined Heat and Power Meet-Up Room: Wilson C
	Retrofits: Making the Most of What You Have Room: Maryland A	Sector Specific Building Tours (Invite Only) Offsite/Various Locations	Ending the Tyranny of the 2-Year Payback: Effective Industrial Financing Strategies Room: Washington 4
6:00–7:30 PM	BETTER BUILDINGS CHALLENGE PARTNER RECOGNITION CEREMONY (INVITE ONLY)		

MULTIFAMILY TRACK	PUBLIC TRACK		RESIDENTIAL TRACK
REGISTRATION AND CONTINENTAL BREAKFAST			
WELCOME & PARTNER KEYNOTE ADDRESS			
BREAK			
MORNING SESSIONS*			
2 concurrent sessions; choose 1	4 concurrent sessions; choose 1		2 concurrent sessions; choose 1
Financial Options for Public Housing Authorities Room: Roosevelt 2	Breaking Down the Barriers to Energy Efficiency & Renewable Energy Deployment in Water & Wastewater Facilities Room: Washington 5	Developing a Strong Energy Savings Performance Contracting Project Room: Roosevelt 5	Incentives: What Gets Homeowners to Move, What Not So Much Room: Delaware B
Green Operations and Management Room: Roosevelt 1	Giving Your Vision Wings: How to Operationalize Your Sustainability Goals Room: Roosevelt 4	Strategies and Guidelines for the Cleansing and Analysis of Building Energy Benchmarking Data Room: Roosevelt 3	Overcoming the Home Upgrade Information Tower of Babel with HPXML Room: Delaware A
NETWORKING LUNCH**			
AFTERNOON SESSIONS*			
2 concurrent sessions; choose 1	4 concurrent sessions; choose 1		2 concurrent sessions; choose 1
How to Get to Zero Energy in Multifamily Room: Roosevelt 2	Achieving Financial Independence: Lessons on How to Create Sustainable Financing for Your Programs and Projects Room: Washington 5	Developing Momentum for Clean Energy Policy Room: Roosevelt 4	Scaling Residential Energy Efficiency Programs Room: Delaware B
Marketing Your Green Assets to Attract Residents Room: Roosevelt 1	Emerging Trends in State and Local Energy/Climate Planning Room: Roosevelt 5	Harnessing the Power of Data to Improve Building Performance Room: Roosevelt 3	Solving the Problems of Residential Energy Efficiency Programs: The Mastermind Session Room: Delaware A
BREAK			
AFTERNOON SESSIONS*			
2 concurrent sessions; choose 1	5 concurrent sessions; choose 1		Better Buildings Residential Network/Georgetown University Energy Prize (GUEP) Participant Meet-Up Room: Delaware A
Combined Heat and Power Meet-Up Room: Wilson C	Accessing Secondary Markets to Stimulate Financing for Energy Efficiency Investments Room: Roosevelt 3	Combined Heat and Power Meet-Up Room: Wilson C	
	City-Led Challenge Program Peer Huddle Room: Roosevelt 4	Measuring Savings and Tracking Performance in the Public Sector Room: Roosevelt 5	
Financing Renewables in Multifamily Rooms: Roosevelt 1 & 2	Ramping up Technology to Mitigate Climate Change: Innovations in Project Design and Program Development Room: Washington 5		
BETTER BUILDINGS CHALLENGE PARTNER RECOGNITION CEREMONY (INVITE ONLY)			

*Additional Speed Dating with Financial Allies sessions are available, Room: Washington 6.

**Higher Education Data Benchmarking Meet-Up, Room: Maryland B.

	DATA-DRIVEN RESULTS TRACK	FINANCING AND PARTNERSHIPS TRACK	HIGH-IMPACT TECHNOLOGIES TRACK	PORTFOLIO-WIDE STRATEGIES TRACK
7:30–8:30 AM	REGISTRATION AND CONTINENTAL BREAKFAST			
8:30–9:30 AM	KEYNOTE ADDRESS, PARTNER RECOGNITION, MEDIA PANEL			
9:30–10:00 AM	BREAK			
10:00–11:30 AM	MORNING SESSIONS: 11 CONCURRENT SESSIONS ACROSS 4 TRACKS; CHOOSE 1*			
	DOE Asset Score: Coming to a Building Near You Room: Roosevelt 4	Capturing the Value of Efficiency: Incorporating Energy Performance into Commercial Real Estate Investment Practices Room: Roosevelt 3	Adaptive Reuse: Reimagining Existing Buildings Room: Virginia B	Driving Energy Savings in the Supply Chain Room: Roosevelt 5
		Financing Energy Efficiency Improvements Through the Utility Bill Room: Roosevelt 2	Integrating Solar PV: Strategies and Case Studies Room: Virginia C	Intelligent Efficiency: Delivering 21st Century Energy Savings Room: Maryland B
		Getting the Savings You Want: Strategies for Ensuring Real Energy Savings in New Construction and Existing Building Retrofits Room: Delaware A	Savings Bonanza: Industrial Energy Efficiency Programs That Work Room: Roosevelt 1	Managing Data Centers In Multi-Use Environments Room: Virginia A
12:00–1:30 PM	BETTER BUILDINGS CHALLENGE PARTNER LUNCH KEYNOTE & PANEL DISCUSSION			
1:30–3:00 PM	AFTERNOON SESSIONS: 11 CONCURRENT SESSIONS ACROSS 4 TRACKS; CHOOSE 1*			
	Finding and Funding an Energy Management Information System That Is Right for Your Building Portfolio Room: Roosevelt 4	Advancing Commercial and Industrial Energy Efficiency Policies and Programs Room: Roosevelt 1	High-Performance Troffer Lighting Solutions Room: Virginia C	Achieving Continuous Improvement Through Strategic Energy Management Room: Delaware B
		Leveraging the Real Estate Industry to Increase Energy Efficiency Upgrades Room: Roosevelt 3	HVAC Solutions for Small and Large Buildings, Part 1: Life-Cycle Management Approach for Packaged HVAC Room: Virginia A	Now That We've Dipped Our Toe In... Water Pilot Lessons Learned Room: Roosevelt 5
		PACE: Innovations in Energy Efficiency Financing Room: Roosevelt 2	Zero Energy Buildings: Defining Them and Building Them Room: Virginia B	Strengthening Resiliency with Clean Energy Room: Maryland B
				Using Technology to Engage Tenants and Save Energy Room: Washington 5
3:00–3:30 PM	BREAK			
3:30–5:00 PM	AFTERNOON SESSIONS: 11 CONCURRENT SESSIONS ACROSS 4 TRACKS; CHOOSE 1*			
	Accelerating Energy Data Access for Building Owners Room: Roosevelt 4	Engaging the Homeowner to Learn about Energy Efficiency Room: Roosevelt 3	CHP: Opportunities for Energy Efficiency and Resiliency Room: Virginia B	Engaging Employees to Drive Efficiency Behavior Room: Washington 5
	Drive Action Through Energy Data Visualization Room: Delaware B	FREE MONEY!: Working with Utilities to Make Your Energy Reduction Dreams Come True Room: Roosevelt 2	High-Performance Street, Area, and Parking Lighting Solutions Room: Virginia C	
	Energy Savings Performance Contracting M&V Room: Delaware A	Working with DOE National Labs: Opportunities for Collaboration Room: Roosevelt 1	HVAC Solutions for Small and Large Buildings, Part 2: Large HVAC Systems Room: Virginia A	How to Drive Change with Workplace Charging Room: Maryland B
5:15–6:00 PM	BETTER PLANTS RECOGNITION CEREMONY & POSTER SESSION (ALL ATTENDEES)			
6:00–7:30 PM	NETWORKING EVENT (ALL ATTENDEES)			

*Additional Speed Dating with Financial Allies sessions are available, Room: Washington 6.

	BETTER BUILDINGS ACCELERATORS TRACK	COMMERCIAL TRACK	MULTIFAMILY TRACK	PUBLIC TRACK
7:30–8:30 AM	REGISTRATION AND CONTINENTAL BREAKFAST			
8:30–10:00 AM	MORNING MEETINGS			
	3 concurrent sessions; choose 1	2 concurrent sessions; choose 1	Workshop on Multifamily Efficiency Programs Room: Washington 4	3 concurrent sessions; choose 1
	Better Buildings Accelerator: Energy Data Meeting (Invite Only) Room: Delaware A	Greening Grants: Minimizing Energy and Environmental Impacts of Federally Funded Research (Invite Only) Room: Delaware B		Best Practices in Data Access, Tracking, and Analysis: Workshop for the Public Sector — Part 1 Room: Roosevelt 3
	Better Buildings Accelerator: Industrial Superior Energy Performance (Invite Only) Room: Virginia B	High-Impact Technologies Forum: Harnessing American Ingenuity and Innovation Room: Maryland B		K-12 Partner Meeting; Including K-12 School Districts in the Clean Energy Equation Room: Roosevelt 4
	Better Buildings Accelerator: Outdoor Lighting Technical Assistance Office Hours (Invite Only) Room: Roosevelt 2			SEP Competitive Cohort Meeting: Sustainable Financing for Retrofits (Retrofitting Public Buildings) (Invite Only) Room: Roosevelt 1
10:00–10:30 AM	BREAK			
10:30–12:00 PM	MORNING MEETINGS			
	3 concurrent sessions; choose 1	2 concurrent sessions; choose 1	Workshop on Multifamily Efficiency Programs Room: Washington 4	2 concurrent sessions; choose 1
	Better Buildings Accelerator: Energy Data Meeting (Invite Only) Room: Delaware A	Greening Grants: Minimizing Energy and Environmental Impacts of Federally Funded Research (Invite Only) Room: Delaware B		Best Practices in Data Access, Tracking, and Analysis: Workshop for the Public Sector — Part 2 Room: Roosevelt 3
	Better Buildings Accelerator: Industrial Superior Energy Performance (Invite Only) Room: Virginia B	High-Impact Technologies Forum: Harnessing American Ingenuity and Innovation Room: Maryland B		SEP Competitive Cohort Meeting: Supporting Leadership by Example in States (Invite Only) Room: Roosevelt 1
	Better Buildings Accelerator: Outdoor Lighting (Invite Only) Room: Roosevelt 2			
12:00–1:00 PM	WORKING LUNCH			
1:30–3:00 PM	AFTERNOON MEETINGS			
	2 concurrent sessions; choose 1	2 concurrent sessions; choose 1		
	Better Buildings Accelerator: Energy Data Meeting (Invite Only) Room: Delaware A	Greening Grants: Minimizing Energy and Environmental Impacts of Federally Funded Research (Invite Only) Room: Delaware B		
	Better Buildings Accelerator: Outdoor Lighting Technical Assistance Office Hours (Invite Only) Room: Roosevelt 2	High-Impact Technologies Forum: Harnessing American Ingenuity and Innovation Room: Maryland B		

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

SPECIAL EVENTS

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

COMMERCIAL TRACK

Commercial Real Estate Meet-Up

Healthcare Meet-Up

Higher Education Meet-Up

Hospitality Meet-Up

Retail, Food Service & Grocery 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.

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.

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.

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.

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

- Deb Cloutier, JDM Associates
- Steve Harrison, Parmenter Realty Partners
- Jay Paidipati, Navigant Consulting
- Drew Torbin, Renewable Energy, ProLogis
- Moderator**
Jason Hartke, DOE

PANELISTS

- Yuri Millo, Better Place International
- Erin Richmond, JDM Associates
- Corey Zarecki, Gundersen Health System
- Moderator**
Priya Swamy, DOE

PANELISTS

- Wendell Brase, University of California, Irvine
- Susan Corry, University of Maryland
- John Jameson, ICF International
- Jesse Warren, University of Virginia
- Moderator**
Kristen Taddonio, DOE

PANELISTS

- Chris Magee, MGM Resorts International
- Jen Singer, ICF International
- Faith Taylor, Wyndham Worldwide
- Lindsay Wilkinson, InterContinental Hotels Group
- Moderator**
Andy Mitchell, DOE

PANELISTS

- Zach Abrams, ICF International
- Cara Bastoni, ICF International
- Kyle Wilkes, JCPenney
- Moderator**
Holly Carr, DOE

DATA CENTER TRACK

Planning-Barriers-Solutions for Data Center Project Development

ROOM Virginia A
LEVEL Lobby

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

INDUSTRIAL TRACK

Tapping Into DOE's Portfolio of Manufacturing Energy Efficiency Resources

ROOM Washington 4
LEVEL Exhibition

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

MULTIFAMILY TRACK

Financial Options for Public Housing Authorities

ROOM Roosevelt 2
LEVEL Exhibition

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

Green Operations and Management

ROOM Roosevelt 1
LEVEL Exhibition

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

Breaking Down the Barriers to Energy Efficiency & Renewable Energy Deployment in Water & Wastewater Facilities

Developing a Strong Energy Savings Performance Contracting Project

Giving Your Vision Wings: How to Operationalize Your Sustainability Goals

Strategies and Guidelines for the Cleansing and Analysis of Building Energy Benchmarking Data

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.

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.

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.

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

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

Moderator
Ira Birnbaum, DOE

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

PANELISTS

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

Moderator
Sarah Zaleski, DOE

PANELISTS

Andrea Hassenius, 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

RESIDENTIAL
TRACK

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.

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

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

Moderator
Jonathan Cohen, DOE

PANELISTS

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

Moderator
Dale Hoffmeyer, DOE

SPECIAL EVENT

Networking Lunch:
Higher Education Data Benchmarking Meet-Up

NOTES

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

COMMERCIAL TRACK

Accelerating Energy Efficiency Through the Commercial Lease

Lessons Learned and the Future of Plug Load Controls

Maximizing Energy Savings in Laboratories

Maximizing Supermarket Refrigeration System Energy Efficiency

Reducing Energy Consumption in Restaurants and Kitchens: Turning Down the Heat on Energy Bills

ROOM Virginia C
LEVEL Lobby

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.

ROOM Maryland C
LEVEL Lobby

Commercial plug and process loads (PPLs) are projected to grow from 30% to 35% of total commercial building energy use between 2006 and 2020, due to an increase in the number of plug-in devices and the energy intensity of those devices. This session will outline the challenges with commercial plug load controls, along with solutions for tracking and reducing PPLs such as hardware, software, and web-based service options.

ROOM Maryland B
LEVEL Lobby

Laboratory facilities are very energy intensive—using about three times more energy than an average office building. Operating a single lab fume hood can result in as much energy use as three typical homes! Join peers to explore opportunities for saving energy in labs and to hear about actual implementations, including a highly successful campus-wide program.

ROOM Maryland A
LEVEL Lobby

Refrigeration often accounts for over half of the energy consumption in supermarkets, grocery stores, and convenience stores. Attendees will learn how the Better Buildings Alliance is helping members reduce refrigeration energy consumption. Topics will include developing system-level energy metrics for refrigeration, HVAC, and lighting; leveraging utility incentive programs; and purchasing supermarket refrigeration as a service.

ROOM Virginia B
LEVEL Lobby

Restaurants use much more energy per square foot than any other commercial building. Learn how DOE and Partners are helping pave the way for energy savings in the commercial food service sector. Panelists will discuss programs and resources for energy efficiency techniques and products such as walk-in coolers/freezers with advanced control, energy management systems, demand control kitchen ventilation, and more.

PANELISTS

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

Moderator
Deb Cloutier, JDM Associates

PANELISTS

Matt Baldassano, Commscope
Jason Page, Alliance for Sustainable Colorado
Kinga Porst, General Services Administration

Moderator
Rois Langner, National Renewable Energy Laboratory

PANELISTS

Wendell Brase, University of California, Irvine
Chuck McKinney, Aircurity
Tom Smith, Exposure Control Technologies

Moderator
Craig Wray, Lawrence Berkeley National Laboratory

PANELISTS

Jeremy Litow, CLEAResult/Portland Energy Conservation Inc.
Richard Lord, Carrier Corporation and ASHRAE
John Wallace, Emerson Climate Technologies

Moderator
Robert (Bob) Zogg, Navigant Consulting

PANELISTS

Jeff Clark, National Restaurant Association
Don Fisher, Fisher Consultants
Carol Tobian, National Resource Management, Inc.

Moderator
Richard Shandross, Navigant Consulting

DATA CENTER TRACK

PUE Baselineing: 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

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

Moderator
Elena Berger, DOE

PANELISTS

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

Moderator
Neal Elliot, ACEEE

PANELISTS

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

Moderator
Ralph DiNola, New Buildings Institute

PANELISTS

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

Moderator
Kevin Bush, HUD

PUBLIC TRACK

Achieving Financial Independence: Lessons on How to Create Sustainable Financing for Your Programs and Projects

ROOM Washington 5
LEVEL Exhibition

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

Developing Momentum for Clean Energy Policy

ROOM Roosevelt 4
LEVEL Exhibition

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.

Emerging Trends in State and Local Energy/Climate Planning

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.

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

Ryan Harold, Commonwealth of Massachusetts
John Morrill, Arlington County, VA
Terry Steuber, Kansas Corporation Commission

Moderator
Eleni Pelican, DOE

PANELISTS

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

Moderator
Caroline Keicher, Institute for Market Transformation

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

PANELISTS

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

Moderator
Mona Khalil, DOE

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.

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

Rachel Cluett, ACEEE

Patrick MacRoy, Elevate Energy

Derek Smith, Clean Energy Works

Moderator

Danielle Sass Byrnett, DOE

PANELISTS

Michael Walton, Green Spaces Chattanooga

Moderator

Jonathan Cohen, DOE

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)

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 3:10PM.

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

DATA CENTER TRACK

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

INDUSTRIAL TRACK

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

MULTIFAMILY TRACK

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

PUBLIC TRACK

Accessing Secondary Markets to Stimulate Financing for Energy Efficiency Investments

City-Led Challenge Program Peer Huddle

Measuring Savings and Tracking Performance in the Public Sector

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

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.

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.

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.

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

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

Moderator
Emily Martin Fadrhonc,
Lawrence Berkeley National Laboratory

All attendees involved with or interested in setting up community-wide efficiency challenges are welcome to participate in the peer exchange.

Moderator
Sarah Zaleski, DOE

PANELISTS

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

Moderator
Michael Li, DOE

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.

Moderator

Rahul Young, ICF International

PANELISTS

Jon Fahey, Associated Press

Matthew Philips, Bloomberg Businessweek

Scott Tong, Marketplace

Moderator

Maria T. Vargas, DOE

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.

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

Aaron Mehta, FS Energy

Greg Thomas, Performance Systems Development

Moderator

Cody Taylor, DOE

PANELISTS

Chris Lohman, Energi

Paul Torcellini, National Renewable Energy Laboratory

Corey Zarecki, Gundersen Health System

Moderator

Holly Carr, DOE

FINANCING AND PARTNERSHIPS
TRACK

Capturing the Value of Efficiency:
Incorporating Energy Performance
into Commercial Real Estate
Investment Practices

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.

Financing Energy Improvements
Through the Utility Bill

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.

Savings Bonanza:
Industrial Energy Efficiency
Programs That Work

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

HIGH-IMPACT TECHNOLOGIES
TRACK

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.

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.

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

Peter Bell, National Housing & Rehabilitation Association

Kevin O'Connor, Rural Ulster Preservation Company

Kristine Vey, University of Virginia

Moderator
Rachel Isacoff, HUD

PANELISTS

Eugenia Gregorio, The Tower Companies

Matt Lynn, Lend Lease

Mark Manthy, Direct Energy Solar

Moderator
Jay Paidipati, Navigant Consulting

PANELISTS

Jordon Dagg, Schneider Electric

Steve Hammond, National Renewable Energy Laboratory

Bill (William) Lakos, Michigan State University

Moderator
Dale Sartor, Lawrence Berkeley National Laboratory

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.

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.

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

Paul Bertram, Kingspan Insulated Metal Panels North America

Mike Muller, Rutgers University

Catherine Potter, Johnson Controls

Moderator
John Smegal, DOE

PANELISTS

Paul Hamilton, Schneider Electric

Marshall Runkel, Clean Energy Works

Theresa A. Spurling-Wood, Alachua County Public Schools

Moderator
Ethan Rogers, ACEEE

PANELISTS

Peter Brandom, Hillsboro, OR

Darien Crimmin, WinnCompanies

Jesse Warren, University of Virginia

Moderator
Elizabeth Stuart, Lawrence Berkeley National Laboratory

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](#).

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 (EMISs) 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

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

PANELISTS

Eugenia Gregorio, The Tower Companies
 Pat Lydon, LSO Supply Chain Management
 Russell Subjinske, Wendy's

Moderator
 Jessica Granderson, Lawrence Berkeley National Laboratory

FINANCING AND PARTNERSHIPS
TRACK

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.

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.

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

Jessica Burdette, Minnesota Department of Commerce

Michael Leslie, Maryland Energy Administration

Marty Stipe, Oregon Department of Energy

Moderator
Jay Wrobel, DOE

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

PANELISTS

Jody Clark, Hannon Armstrong

Ben Healey, Connecticut Green Bank

Erick Shambarger, Milwaukee, WI

Moderator
Eleni Pelican, DOE

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

Achieving Continuous Improvement Through Strategic Energy Management

ROOM Delaware B
LEVEL Lobby

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

ROOM Roosevelt 5
LEVEL Exhibition

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.

Strengthening Resiliency with Clean Energy

ROOM Maryland B
LEVEL Exhibition

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.

Using Technology to Engage Tenants and Save Energy

ROOM Washington 5
LEVEL Exhibition

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

Mark Dhennin, Cummins
Maxime Verstraete, Hilton Worldwide
Wade Willatt, Schneider Electric

Moderator
Paul Scheihing, DOE

PANELISTS

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

Moderator
Steven Goldman, Environmental Defense Fund

PANELISTS

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

Moderator
Sarah Zaleski, DOE

PANELISTS

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

Moderator
Kevin Bush, HUD

DATA-DRIVEN RESULTS
TRACK

Accelerating Energy Data Access
for Building Owners

ROOM Roosevelt 4
LEVEL Exhibition

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.

Drive Action Through Energy
Data Visualization

ROOM Delaware B
LEVEL Lobby

This session will highlight innovative public and private organizations employing interactive displays and dashboards that harness data to drive energy savings, healthy competition, and market transformation.

Energy Savings Performance
Contracting M&V

ROOM Delaware A
LEVEL Lobby

ESPCs traditionally use the International Performance Measurement and Verification Protocol (IPMVP) to measure project energy savings. Given the flexibility of IPMVP options, does saying a project used IPMVP tell us what we need to know about how the savings were measured? This session will explore the nitty-gritty details about ESPC M&V and identify key things building owners should be asking for from these projects.

PANELISTS

James Cater, Eversource
Phillip Henderson, Natural Resources
Defense Council

Moderator
Monisha Shah, National Renewable
Energy Laboratory

PANELISTS

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

Moderator
Sarah Zaleski, DOE

PANELISTS

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

Moderator
Michael Li, DOE

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

Diane W. Duva, Connecticut Department of Energy and Environmental Protection

Beth Galante, PosiGen

Devon Hartman, Community Home Energy Retrofit Project

Moderator

Jonathan Cohen, DOE

PANELISTS

Ken Black, E Source

Mike Ellinger, Whole Foods Market

Juliann Rogers, CKE Restaurant Holdings Inc.

Moderator

Holly Carr, DOE

PANELISTS

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.

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.

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

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

Moderator
Claudia Tighe, DOE

PANELISTS

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

Moderator
Paul Wessel, Green Parking Council

PANELISTS

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

Moderator
Michael Deru, National Renewable
Energy Laboratory

PORTFOLIO-WIDE STRATEGIES
TRACK

Engaging Employees to Drive Efficiency Behavior

ROOM Washington 5

LEVEL Exhibition

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!

How to Drive Change with Workplace Charging

ROOM Maryland B

LEVEL Exhibition

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

Dan Cooper, Toyota

Chris Magee, MGM Resorts International

Kathy Pecora, Will County, IL

Susan Rochford, Legrand North America

Moderator

Sandy Glatt, DOE

PANELISTS

Peter Brandom, Hillsboro, OR

Darrel Carter, Sprint

Emily Levin, VEIC

Moderator

Sarah Olexsak, DOE

**BETTER BUILDINGS ACCELERATORS
TRACK**

**Better Buildings Accelerator:
Energy Data Meeting
(Invite Only)**

(8:30 AM–3:00 PM)

ROOM Delaware A

LEVEL Lobby

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.

Moderator

Monisha Shah, National Renewable Energy Laboratory

**Better Buildings Accelerator:
Industrial Superior Energy
Performance
(Invite Only)**

(8:30 AM–12:00 PM)

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.

Moderators

Sandy Glatt and Paul Scheihing, DOE

**Better Buildings Accelerator:
Outdoor Lighting Technical
Assistance Office Hours
(Invite Only)**

(8:30–10:00 AM and 1:30–3:00 PM)

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

Crystal McDonald, DOE

PUBLIC TRACK

Best Practices in Data Access, Tracking, and Analysis: Workshop for the Public Sector

(8:30 AM–12:30 PM)

ROOM Roosevelt 3
LEVEL Lobby

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

K-12 Partner Meeting; Including K-12 School Districts in the Clean Energy Equation

(8:30 AM–10:00 AM)

ROOM Roosevelt 4
LEVEL Exhibition

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

SEP Competitive Cohort Meeting: Sustainable Financing for Retrofits (Retrofitting Public Buildings) (Invite Only)

(8:30 AM–10:00 AM)

ROOM Roosevelt 1
LEVEL Exhibition

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.

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

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

Moderator
Andy Mitchell, DOE

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

**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.

Moderator

Crystal McDonald, DOE

**PUBLIC
TRACK**

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

ROOM Roosevelt 1

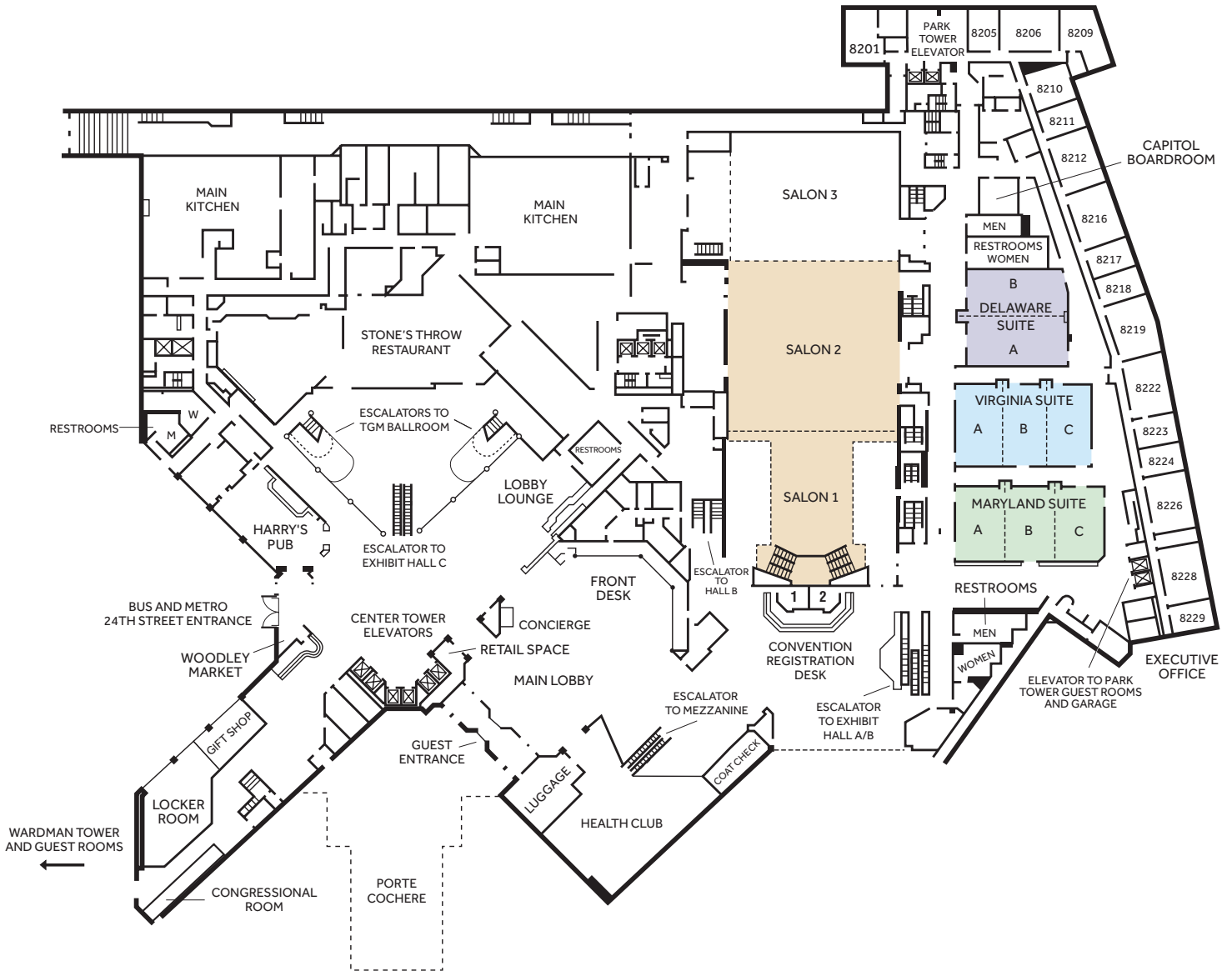
LEVEL Exhibition

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

Moderator

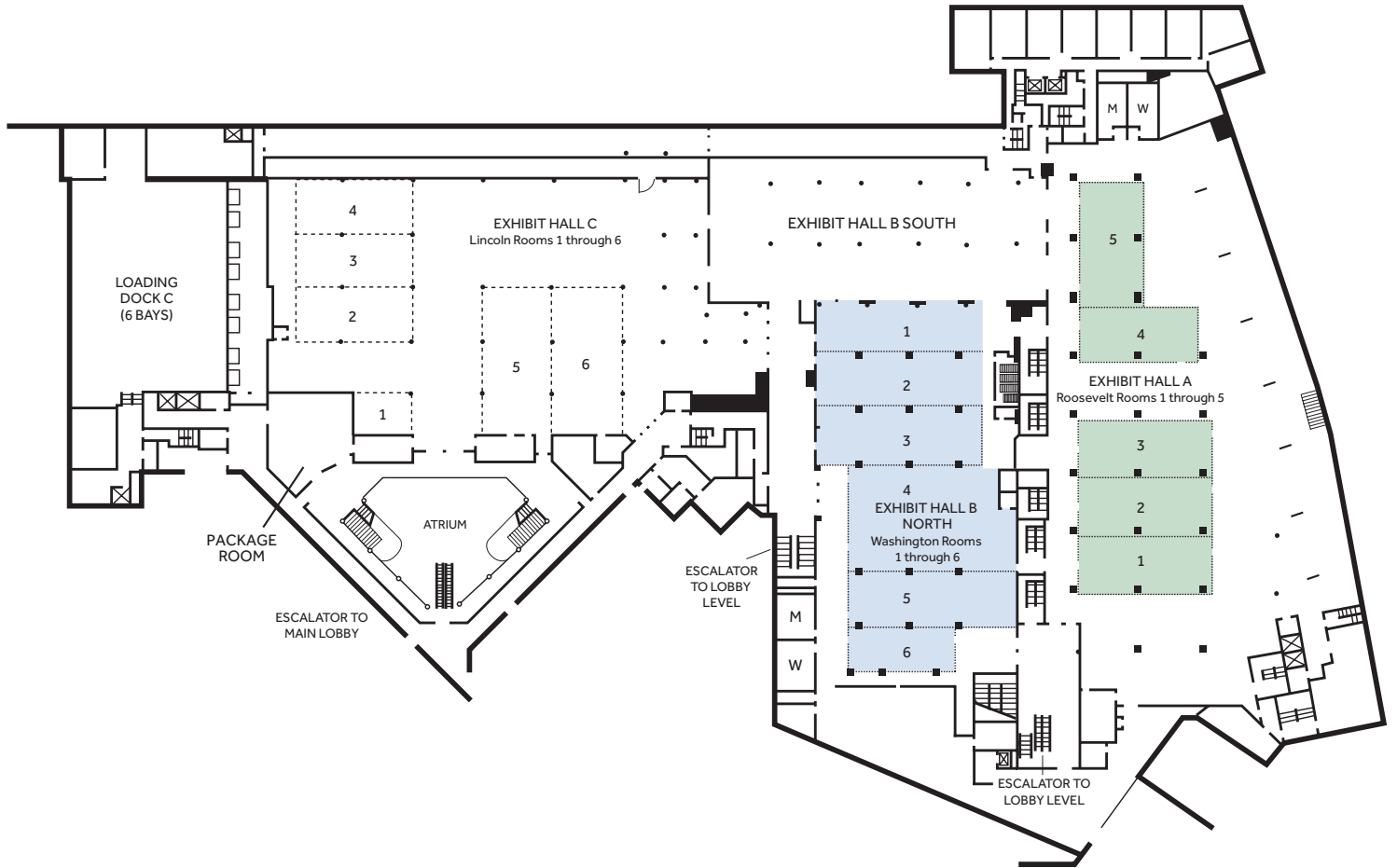
Alice Dasek, DOE

Lobby Level



- Rooms**
- Salon 1 & 2
 - Maryland
 - Virginia
 - Delaware

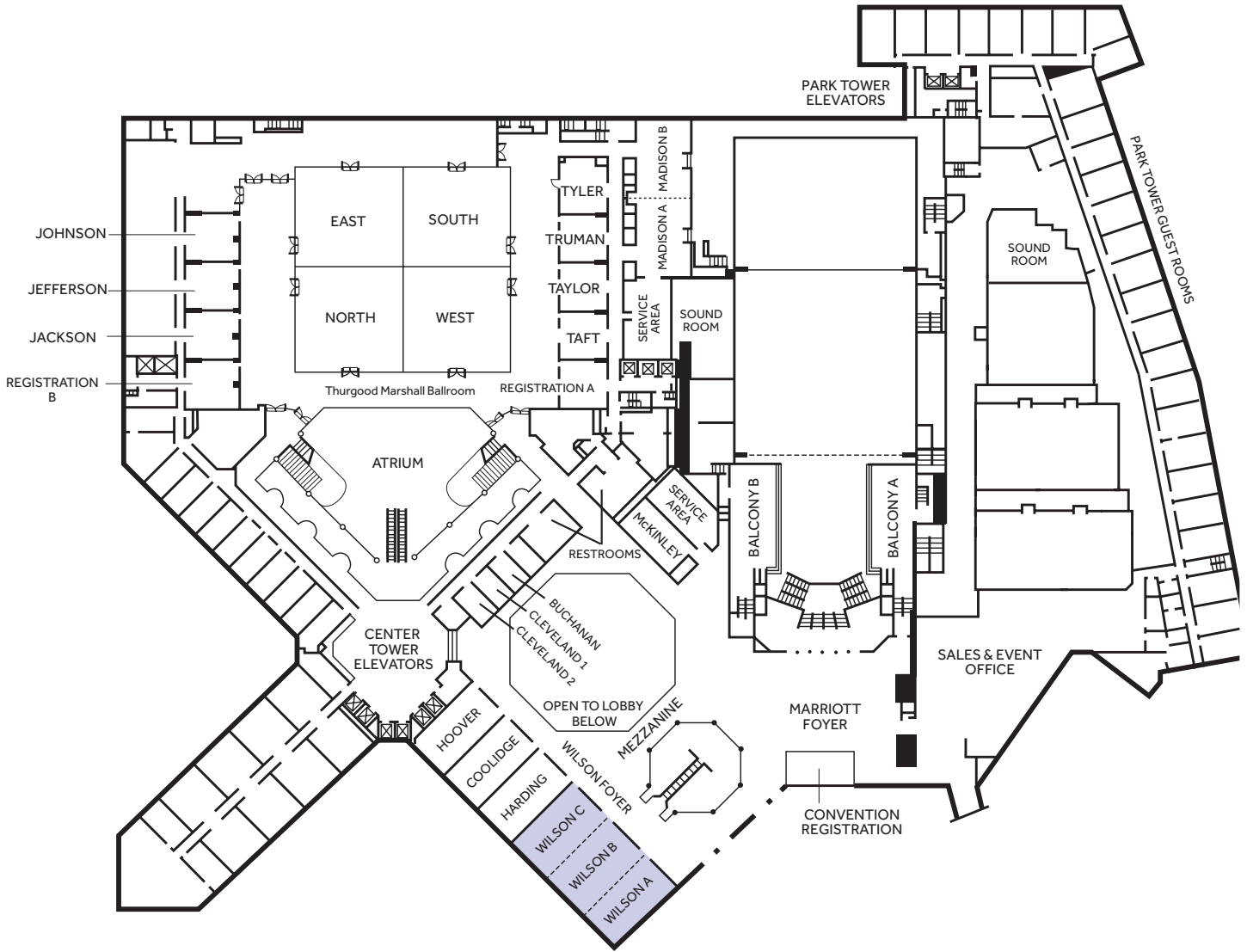
Exhibition Level



Rooms

- Washington
- Roosevelt

Mezzanine Level



Rooms

Wilson

