



# Better Buildings Summit Program May 7–9, 2014

Washington Hilton Hotel in Washington, D.C.

MAY 7, 2014



## Welcome to the 2014 Better Buildings Summit!

It is a pleasure to have you join us in Washington, D.C. for this important meeting. We appreciate your involvement as a Better Buildings partner and your commitment to backing up good ideas with action, sharing your successes, and creating solutions for others to follow. Your efforts will help make commercial, industrial, public, and multifamily buildings in this country 20 percent more efficient in the next 10 years.

As a leader, you are demonstrating how American businesses and organizations can move toward a clean energy economy, reducing our Nation's energy bills, creating American jobs, and protecting the environment. I look forward to our continued partnership.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ernest J. Moniz'. The signature is fluid and cursive, with a long horizontal stroke at the end.

Ernest J. Moniz  
UNITED STATES SECRETARY OF ENERGY

# AGENDA AT A GLANCE

## WEDNESDAY MAY 7, 2014, SECTOR/PROGRAM SESSIONS

TRACK: COMMERCIAL SECTOR			TRACK: INDUSTRIAL SECTOR		TRACK: BETTER BUILDINGS ACCELERATORS			
REGISTRATION, 7:30–11:30 AM								
					Better Buildings Accelerator: Energy Savings Performance Contracting Meeting* <b>9:00–10:00 AM</b> <b>Room: NORTHWEST</b>			
					BREAK, 10:00–10:15 AM			
					Better Buildings Accelerator: Energy Savings Performance Contracting Meeting* <b>10:15 AM–12:00 PM</b> <b>Room: NORTHWEST</b>			
WELCOME LUNCH, ROOMS: JEFFERSON EAST-LINCOLN, 12:00–1:00 PM								
9 concurrent sessions; choose 1			<b>1:00–2:15 PM</b>					
Lighting Solutions for Commercial Buildings <b>Room: COLUMBIA 3</b>	Reducing Energy Consumption in Restaurants and Kitchens <b>Room: HOLMEAD</b>	Advanced Solutions for Packaged HVAC <b>Room: COLUMBIA 4</b>	Energy Efficiency's Impact On Global Competitiveness <b>1:00–2:00 PM</b> <b>Room: COLUMBIA 1</b>		Better Buildings Accelerator: Energy Savings Performance Contracting Meeting* <b>1:00–4:00 PM</b> <b>Room: NORTHWEST</b>			
Creating Efficiency Through Effective Energy Information Tracking, Analysis, and Optimization <b>Room: KALORAMA</b>	Evaluating Renewable Energy Options: Building- Integrated Solar and Biogas Energy <b>Room: MORGAN</b>	Maximizing Supermarket Refrigeration System Energy Efficiency <b>Room: L'ENFANT</b>						
Market Solutions <b>Room: JEFFERSON WEST</b>	Plug Load Measurement and Control in Commercial Buildings <b>Room: GUNSTON EAST</b>	Maximizing Energy Savings in Laboratories <b>Room: JAY</b>						
BREAK, 2:15–2:30 PM			<b>2:30–3:45 PM</b>					
Lighting Solutions for Commercial Buildings <b>Room: COLUMBIA 3</b>	Reducing Energy Consumption in Restaurants and Kitchens <b>Room: HOLMEAD</b>	Systems Approach to Central Plant HVAC Optimization <b>Room: COLUMBIA 4</b>	Best Practices in Industrial Data Management <b>2:00–3:00 PM</b> <b>Room: COLUMBIA 1</b>					
Creating Efficiency Through Effective Energy Information Tracking, Analysis, and Optimization <b>Room: KALORAMA</b>	Evaluating Renewable Energy Options: Building- Integrated Solar and Biogas Energy <b>Room: MORGAN</b>	Maximizing Supermarket Refrigeration System Energy Efficiency <b>Room: L'ENFANT</b>	BREAK, 3:00–3:15 PM					
Market Solutions <b>Room: JEFFERSON WEST</b>	Plug Load Measurement and Control in Commercial Buildings <b>Room: GUNSTON EAST</b>	Maximizing Energy Savings in Laboratories <b>Room: JAY</b>					Overview of DOE's Industrial Energy Efficiency Programs and Resources <b>3:15–4:45 PM</b> <b>Room: COLUMBIA 1</b>	
BREAK, 3:45–4:00 PM			<b>4:00–5:00 PM</b>					
3 concurrent meetings; choose 1								
Healthcare and Higher Education* <b>Room: JAY</b>	Retail, Food Service & Grocery* <b>Room: KALORAMA</b>	Commercial Real Estate & Hospitality* <b>Room: L'ENFANT</b>						
RECOGNITION CEREMONY: BETTER BUILDINGS CHALLENGE*, 4:30–6:30 PM								

\*Closed session or meeting. Members/invite only.

# AGENDA AT A GLANCE

## THURSDAY MAY 8, 2014, CROSS-CUTTING SESSIONS

	TRACK: INNOVATIVE REPLICABLE SOLUTIONS FROM MARKET LEADERS	TRACK: MAKING ENERGY EFFICIENCY INVESTMENT EASIER	TRACK: HIGH-IMPACT TECHNOLOGIES	TRACK: COLLABORATIONS AND PARTNERSHIPS
7:30–8:30 AM	REGISTRATION/CONTINENTAL BREAKFAST, ROOMS: LINCOLN-MONROE			
8:30–9:30 AM	PLENARY/KEYNOTE ADDRESS, ROOMS: LINCOLN-MONROE			
9:45–11:00 AM	8 concurrent sessions across 4 tracks; choose 1			
	Effective Water-Saving Strategies <b>Room: COLUMBIA 4</b>	Using Whole-Building Data for Decision-Making <b>Room: COLUMBIA 3</b>	Commercial Building Re-Tuning: No- to Low-Cost Measures <b>Room: GUNSTON</b>	Leveraging Utility Programs for Industrial Energy Efficiency <b>Room: L'ENFANT</b>
	A Lot with A Little: Leveraging Outside Resources to Augment Your Energy Management Program <b>Room: FAIRCHILD</b>	Emerging Trends in Public-Private Financing Programs <b>Room: JAY</b>	High Performance Street and Area Lighting Upgrades <b>Room: COLUMBIA 1-2</b>	State Energy Competitive Working Group Meeting 1* <b>Room: HOLMEAD</b>
	BREAK, 11:00–11:15 AM			
11:15 AM–12:30 PM	9 concurrent sessions across 4 tracks; choose 1			
	Energy/Water Nexus: Not Just a Drop in the Bucket <b>Room: L'ENFANT</b>	Recent Innovations in the Use of Bonds and Power Purchase Agreements for Clean Energy Initiatives <b>Room: JAY</b>	Reducing Energy Consumption in Restaurants and Kitchens <b>Room: KALORAMA</b>	Speed-Dating: Learn about Offerings from Better Buildings Challenge Financial Allies* <b>Room: MORGAN</b>
	Real-Time Energy Management: Saving Energy Every 15 Minutes <b>Room: COLUMBIA 4</b>	Speaking the CFO Language: Successfully Pitching Energy Efficiency to Decision Makers <b>Room: GUNSTON</b>	Mythbusting Deep Energy Retrofits: A Whole-Building Approach is Right for You <b>Room: COLUMBIA 1-2</b>	Putting Green Leasing into Practice <b>Room: COLUMBIA 3</b>
		Evaluating Renewable Energy Options: Building-Integrated Solar and Biogas Energy <b>Room: FAIRCHILD</b>		
12:30–1:30 PM	TECHNOLOGY SOLUTIONS NETWORKING LUNCH, ROOM: MONROE MEET & GREET: FEDERAL PROGRAMS, RESOURCES, FINANCING, ROOM: LINCOLN WEST			
1:30–3:00 PM	9 concurrent sessions across 4 tracks; choose 1			
	Tying Energy Efficiency to Compensation and Performance Reviews <b>Room: COLUMBIA 4</b>	Getting to Scale: Energy Investment Partnerships <b>Room: JAY</b>	Next Generation HVAC <b>Room: KALORAMA</b>	Speed-Dating: Learn about Offerings from Better Buildings Challenge Financial Allies* <b>Room: MORGAN</b>
	Co-benefits Reaped from Energy Planning and Energy Efficiency Technology <b>Room: FAIRCHILD</b>	Energy Data Access: Helping Building Owners Obtain Whole-Building Energy Data <b>Room: COLUMBIA 1-2</b>	Combined Heat and Power: A Proven High Impact Opportunity <b>Room: COLUMBIA 3</b>	
		Industrial EM&V: Process Improvement Focused Energy Efficiency Programs <b>Room: HOLMEAD</b>	Announcing New Resources to Help You Evaluate Technologies and Design Options <b>Room: GUNSTON</b>	
	BREAK, 3:00–3:30 PM			
3:30–5:00 PM	10 concurrent sessions across 4 tracks; choose 1			
	Extending the Benefits of Energy Efficiency Across the Value Chain <b>Room: COLUMBIA 3</b>	Sustaining Clean Energy Initiatives by Recycling Energy Savings: RLFs <b>Room: GUNSTON</b>	Maximizing Supermarket Refrigeration System Energy Efficiency <b>Room: KALORAMA</b>	Speed-Dating: Learn about Offerings from Better Buildings Challenge Financial Allies* <b>Room: MORGAN</b>
	It's Not Just About Technology: Accelerating Adoption of Energy-Saving Approaches in Parking Facilities <b>Room: L'ENFANT</b>	Getting Traction in Market Transactions: A Conversation with the Appraisal, Brokerage, and Financial Communities <b>Room: FAIRCHILD</b>	Getting to Zero: Net Zero Energy Buildings <b>Room: COLUMBIA 4</b>	Public-Private Partnerships to Catalyze Community-Wide Efficiency <b>Room: COLUMBIA 1-2</b>
			Making the Case for Building Efficiency Using Modeled Savings Estimates <b>Room: HOLMEAD</b>	Workshop on Model Efficiency Program for Affordable Housing <b>Room: JAY</b>
5:00–7:00 PM	NETWORKING ON THE TERRACE			

\*Closed session or meeting. Members/invite only.

# AGENDA AT A GLANCE

## FRIDAY MAY 9, 2014, SECTOR/PROGRAM SESSIONS

	TRACK: BETTER BUILDINGS ACCELERATOR	TRACK: MULTIFAMILY SECTOR	TRACK: PUBLIC SECTOR	TRACK: CROSS-CUTTING
8:00–9:00 AM	REGISTRATION/CONTINENTAL BREAKFAST, ROOMS: JEFFERSON EAST-LINCOLN BETTER BUILDINGS CHALLENGE MULTIFAMILY PARTNERS BREAKFAST*, ROOM: JEFFERSON WEST			
9:00–10:30 AM	2 concurrent sessions; choose 1	2 concurrent sessions; choose 1	3 concurrent sessions; choose 1	Roundtable: National Laboratory Impact Initiative <b>Room: COLUMBIA 4</b>
	Better Buildings Accelerator: Energy Data Meeting* <b>Room: FAIRCHILD</b>	Financing Renewable Energy in Multifamily Housing <b>Room: COLUMBIA 3</b>	Harnessing the Power of Data from Benchmarking and Disclosure <b>Room: COLUMBIA 1</b>	
	Better Buildings Accelerator: Industrial Superior Energy Performance Meeting* <b>Room: L'ENFANT</b>	Passive House, Living Building Challenge, Net Zero, and Other Aggressive Green Building Standards <b>Room: GUNSTON EAST</b>	Stimulating Statewide Energy Savings Through Savings Targets and Ratepayer Funded Programs <b>Room: COLUMBIA 2</b>	
			State Energy Competitive Working Group Meeting 2* <b>Room: JAY</b>	
BREAK, 10:30–10:45 AM				
10:45 AM–12:00 PM	2 concurrent sessions; choose 1	2 concurrent sessions; choose 1	2 concurrent sessions; choose 1	TRACK: INDUSTRIAL SECTOR
	Better Buildings Accelerator: Energy Data Meeting* <b>Room: FAIRCHILD</b>	New Technology Resources to Enhance Energy Efficiency in Multifamily Housing <b>Room: COLUMBIA 1</b>	Best Practices in Streamlining Access to Energy Data <b>Room: COLUMBIA 4</b>	Partnering with DOE to Engage Suppliers in Energy Efficiency <b>Room: COLUMBIA 2</b>
	Better Buildings Accelerator: Industrial Superior Energy Performance Meeting* <b>Room: L'ENFANT</b>	Energy Management and Benchmarking <b>Room: COLUMBIA 3</b>	Planning for A Successful Energy Savings Performance Contract <b>Room: GUNSTON EAST</b>	
12:00–1:00 PM	REGIONAL NETWORKING LUNCHES, ROOMS: LOBBY LEVEL			
1:00–2:15 PM	Better Buildings Accelerator: Energy Data Meeting* <b>Room: FAIRCHILD</b>	2 concurrent sessions; choose 1	2 concurrent sessions; choose 1	
		Financial Partnerships to Advance Energy Efficiency <b>Room: COLUMBIA 1</b>	Best Practices in Energy Data Management <b>Room: COLUMBIA 4</b>	
		Partnering with your Utility to Get Whole-Building Data in Multi-Tenant Buildings <b>Room: COLUMBIA 2</b>	State and Local Energy Planning <b>Room: COLUMBIA 3</b>	
3:00 PM				

\*Closed session or meeting. Members/invite only.

## SPECIAL EVENTS

### Wednesday

12:00–1:00 PM

#### **Welcome Lunch**

Rooms: Jefferson East and Lincoln

4:30–6:30 PM

#### **Better Buildings Challenge Partner Recognition Event**

Eisenhower Executive Office Building

White House Campus

Room: 430

### Friday

8:00–9:00 AM

#### **Better Buildings Challenge Multifamily Partners Breakfast**

Department of Housing and Urban Development

Secretary Shaun Donovan

Room: Jefferson West

12:00–1:00 PM

#### **Regional Networking Lunches**

Rooms: Jay, Kalorama, L'Enfant, Morgan, Northwest

Level: Lobby

### Thursday

8:30–9:30 AM

#### **Plenary Session**

Keynote Address by Energy Department Secretary,

Ernest J. Moniz

Welcome and Congratulations by Assistant Secretary

of Energy Efficiency and Renewable Energy,

Dr. Dave Danielson

Rooms: Lincoln–Monroe

12:30–1:30 PM

#### **Networking Lunches** (your choice)

Meet and Greet: Federal Programs, Resources,

and Financing Available for Energy Efficiency

Upgrades and Clean Energy Deployment

Room: Lincoln West

Technology Solutions Lunch

Room: Monroe

5:00–7:00 PM

#### **Networking on the Terrace**

TRACK:  
COMMERCIAL SECTOR

Market  
Solutions  
Team

Reducing Energy  
Consumption in  
Restaurants and  
Kitchens

Maximizing  
Energy Savings  
in Laboratories

Creating Efficiency  
Through Effective  
Energy Information  
Tracking, Analysis,  
and Optimization

Maximizing  
Supermarket  
Refrigeration  
System Energy  
Efficiency

**ROOM** Jefferson West  
**LEVEL** Concourse

Join the Better Buildings Alliance Market Solutions Team to discuss their recent progress and planned activities in the areas of green leasing, energy data access, financing, appraisal, and workforce development. Attendees will have an opportunity to provide input and feedback on activities to date, as well as make suggestions for future efforts.

**Moderator**  
Andrew Schulte,  
ICF International

**ROOM** Holmead  
**LEVEL** Lobby

Join the Better Buildings Alliance Technology Team leaders for food service during this session to learn about their current initiatives, participate in the planning of future activities, and play a part in Better Buildings Alliance resource development and deployment.

**Moderator**  
Rich Shandross, Navigant

**ROOM** Jay  
**LEVEL** Lobby

Join the Better Buildings Alliance Technology Team leaders for laboratory facilities during this session to learn about their current initiatives, participate in the planning of future activities, and play a part in their resource development and deployment.

**Moderator**  
Bill Tschudi, Lawrence  
Berkeley National  
Laboratory

**ROOM** Kalorama  
**LEVEL** Lobby

Join the Better Buildings Alliance Technology Team leaders for energy management information systems during this session to learn about their current initiatives, participate in the planning of future activities, and play a part in their resource development and deployment.

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

**ROOM** L'Enfant  
**LEVEL** Lobby

Join the Better Buildings Alliance Technology Team leaders for food service during this session to learn about their current initiatives, participate in the planning of future activities, and play a part in their resource development and deployment. Presentations will include *Supermarket Refrigeration of the Future* and *Lessons Learned on Commissioning*.

**Moderator**  
Bob Zogg, Navigant

**PANELISTS**

**Kim Erickson**,  
Consortium for Energy  
Efficiency

**Jay Fiske**, Powerhouse  
Dynamics

**Jason Greenberg**,  
McDonald's

**PANELISTS**

**Chuck McKinney**,  
Aircuity, Inc.

**Tom Smith**, Exposure  
Control Technologies, Inc.

**Phil Wirdzek**,  
International Institute for  
Sustainable Laboratories

**PANELISTS**

**Rob Arthur**, CTA  
Architects Engineers

**Tom Wolgamot**, DC  
Engineering

TRACK:  
COMMERCIAL SECTOR

Evaluating Renewable Energy Options: Building-Integrated Solar and Biogas Energy

**ROOM** Morgan  
**LEVEL** Lobby

Join Better Buildings Alliance Technology Team leaders to learn about integration of renewable energy in commercial buildings and plan for next year's team activities. A DOE representative will also be presenting information on the SunShot program relevant to Better Buildings Alliance members, and we will have a case study presentation of a successful solar installation.

**Moderator**  
Jay Paidipati, Navigant

**PANELISTS**

James Critchfield, EPA  
Olayinka Kolawole, DOE's SunShot Initiative

Lighting Solutions for Commercial Buildings (Exterior)

**ROOM** Columbia 3  
**LEVEL** Terrace

Join the Better Buildings Alliance Technology Team leaders for lighting and electrical systems during this session to learn about tools and resources available. Participants will learn how organizations have taken advantage of resources developed by the BBA Lighting & Electrical Team and the LEEP Campaign to reduce their exterior lighting energy use by 40–60 percent or more. Participants will be asked to share the technical and/or business case barriers they face when upgrading their parking site lighting, and to join in a discussion of possible solutions.

**Moderator**  
Jeff McCullough and Linda Sandahl, Pacific Northwest National Laboratory

**PANELISTS**

Chris Magee, MGM Resorts International  
Nate Mitten, Kimco Realty

Advanced Solutions for Packaged HVAC

**ROOM** Columbia 4  
**LEVEL** Terrace

Join the Better Buildings Alliance Technology Team leaders for space conditioning during this session to learn about their current initiatives for packaged HVAC, including the Advanced RTU Campaign, new research on ventilation for retail and small offices, and advanced gas heaters. Participate in the planning of future activities and play a part in their resource development and deployment.

**Moderator**  
Michael Deru, National Renewable Energy Laboratory

**PANELISTS**

Marc Braun, Cambridge Engineering  
Lisa Ng, National Institute of Standards and Technology  
Scott Williams, Target Corporation

Plug Load Measurement and Control in Commercial Buildings

**ROOM** Gunston East  
**LEVEL** Terrace

Join the Better Buildings Alliance Technology Team leaders for plug and process loads during this session to learn about their current initiatives, including a technical campaign to promote the use of advanced power strips, participate in the planning of future activities, and play a part in their resource development and deployment.

**Moderator**  
Michael Sheppy, National Renewable Energy Laboratory

**PANELISTS**

James Guang, Ph.D., iSOCKETS, Inc.  
Michael Bloom, General Services Administration



TRACK:  
COMMERCIAL SECTOR

Market  
Solutions  
Team

Reducing Energy  
Consumption  
in Restaurants  
and Kitchens

Maximizing  
Energy Savings  
in Laboratories

Creating Efficiency  
Through Effective  
Energy Information  
Tracking, Analysis,  
and Optimization

Maximizing  
Supermarket  
Refrigeration  
System Energy  
Efficiency

**ROOM** Jefferson West  
**LEVEL** Concourse

Join the Better Buildings Alliance Market Solutions Team to discuss their recent progress and planned activities in the areas of green leasing, energy data access, financing, appraisal, and workforce development. Attendees will have an opportunity to provide input and feedback on activities to date, as well as make suggestions for future efforts.

**Moderator**  
Andrew Schulte,  
ICF International

**ROOM** Holmead  
**LEVEL** Lobby

Join the Better Buildings Alliance Technology Team leaders for food service during this session to learn about their current initiatives, participate in the planning of future activities, and play a part in Better Buildings Alliance resource development and deployment.

**Moderator**  
Rich Shandross, Navigant

**PANELIST**

**Adam Jarboe**, Yum!  
Brand

**ROOM** Jay  
**LEVEL** Lobby

Join the Better Buildings Alliance Technology Team leaders for laboratory facilities during this session to learn about their current initiatives, participate in the planning of future activities, and play a part in their resource development and deployment.

**Moderator**  
Bill Tschudi, Lawrence  
Berkeley National  
Laboratory

**PANELISTS**

**Chuck McKinney**,  
Aircuity, Inc.  
**Tom Smith**, Exposure  
Control Technologies, Inc.  
**Phil Wirdzek**,  
International Institute for  
Sustainable Laboratories

**ROOM** Kalorama  
**LEVEL** Lobby

Join the Better Buildings Alliance Technology Team leaders for energy management information systems during this session to learn about their current initiatives, participate in the planning of future activities, and play a part in their resource development and deployment.

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

**ROOM** L'Enfant  
**LEVEL** Lobby

Join the Better Buildings Alliance Technology Team leaders for food service during this session to learn about their current initiatives, participate in the planning of future activities, and play a part in their resource development and deployment. Presentations will include *Supermarket Refrigeration of the Future* and *Lessons Learned on Commissioning*.

**Moderator**  
Bob Zogg, Navigant

**PANELISTS**

**Rob Arthur**, CTA  
Architects Engineers  
**Tom Wolgamot**, DC  
Engineering

TRACK:  
COMMERCIAL SECTOR

Evaluating Renewable Energy Options: Building-Integrated Solar and Biogas Energy

**ROOM** Morgan  
**LEVEL** Lobby

Join Better Buildings Alliance Technology Team leaders to learn about integration of renewable energy in commercial buildings and plan for next year's team activities. A DOE representative will also be presenting information on the SunShot program relevant to Better Buildings Alliance members, and we will have a case study presentation of a successful solar installation.

**Moderator**  
Jay Paidipati, Navigant

---

**PANELISTS**

James Critchfield, EPA  
Olayinka Kolawole, DOE's SunShot Initiative

Lighting Solutions for Commercial Buildings (Interior)

**ROOM** Columbia 3  
**LEVEL** Terrace

Join the Better Buildings Alliance Technology Team leaders for lighting and electrical systems during this session to discuss the uptake of high-efficiency lighting solutions in interior applications, including a Troffer specification designed to deliver energy savings from 15–45 percent on a one-for-one basis and up to 75 percent with the use of controls. Join us in a discussion of additional interior lighting applications to pursue, and how we might roll our work into a larger initiative to speed the market adoption of high-efficiency lighting solutions in targeted interior applications.

**Moderator**  
Jeff McCullough and Linda Sandahl, Pacific Northwest National Laboratory

---

**PANELIST**

Kathia Benitez, New York-Presbyterian Hospital

Systems Approach to Central Plant HVAC Optimization

**ROOM** Columbia 4  
**LEVEL** Terrace

Join the Better Buildings Alliance Technology Team leaders for space conditioning during this session to learn about their current initiatives and share best practices for central plant HVAC. Participate in the planning of future activities and play a part in their resource development and deployment.

**Moderator**  
Michael Deru, National Renewable Energy Laboratory

---

**PANELIST**

Ed Hall, New York-Presbyterian Hospital

Plug Load Measurement and Control in Commercial Buildings

**ROOM** Gunston East  
**LEVEL** Terrace

Join the Better Buildings Alliance Technology Team leaders for plug and process loads during this session to learn about their current initiatives, including a technical campaign to promote the use of advanced power strips, participate in the planning of future activities, and play a part in their resource development and deployment.

**Moderator**  
Michael Sheppy, National Renewable Energy Laboratory

---

**PANELISTS**

James Guang, Ph.D., iSOCKETS, Inc.  
Michael Bloom, General Services Administration

TRACK:  
COMMERCIAL SECTOR

Higher Education  
and Healthcare

**ROOM** Jay  
**LEVEL** Lobby

CLOSED MEETING. INVITE ONLY.

Network with healthcare and higher education members and discuss a vision for the coming year. Better Buildings Alliance members and Better Buildings Challenge Partners are invited to share sector-specific challenges, strategies for success, and ways to maximize the impact of Better Buildings programs in achieving energy goals.

**Moderator**  
Leigh-Golding DeSantis, ICF International  
John Jameson, ICF International

---

Retail, Food Service  
& Grocery

**ROOM** Kalorama  
**LEVEL** Lobby

CLOSED MEETING. INVITE ONLY.

Network with retail, food service, and grocery members and discuss a vision for the coming year. Better Buildings Alliance members and Better Buildings Challenge Partners are invited to share sector-specific challenges, strategies for success, and ways to maximize the impact of Better Buildings programs in achieving energy goals.

**Moderator**  
Zach Abrams, ICF International  
Cara Bastoni, ICF International

---

Commercial Real Estate  
& Hospitality

**ROOM** L'Enfant  
**LEVEL** Lobby

CLOSED MEETING. INVITE ONLY.

Network with commercial real estate and hospitality members and discuss a vision for the coming year. Better Buildings Alliance members and Better Buildings Challenge Partners are invited to share sector-specific challenges, strategies for success, and ways to maximize the impact of Better Buildings programs in achieving energy goals.

**Moderator**  
Jake Dowling, JDM Associates  
Jen Singer, ICF International

---

## WEDNESDAY: 9:00 AM–4:45 PM

### TRACK: INDUSTRIAL SECTOR

Energy Efficiency's  
Impact on Global  
Competitiveness  
(1:00 – 2:00 PM)

**ROOM** Columbia 1  
**LEVEL** Terrace

Major manufacturers are seeking every edge they can get to compete in global markets. Hear from large, global, energy-intensive manufacturers about the ways energy efficiency has been a proven strategy for cutting costs and improving competitiveness. Manufacturers will also discuss the advantage that low natural gas prices are giving U.S.-based manufacturers, even though these low gas costs can slow implementation of energy-saving projects that otherwise would be pursued in higher-price environments.

**Moderator**  
Andre de Fontaine, DOE

#### PANELISTS

Larry Fabina, ArcelorMittal  
Justin Gore, Saint-Gobain  
Steve Schultz, 3M

Best Practices  
in Industrial  
Data Management  
(2:00 – 3:00 PM)

**ROOM** Columbia 1  
**LEVEL** Terrace

Tracking energy consumption and energy efficiency improvements within manufacturing operations can be a complex undertaking. The benefits of establishing robust and accurate data management systems are significant, as they can uncover new opportunities to save energy and reduce costs. This session will feature advanced methodologies and tools for calculating energy intensity improvement, and will discuss effective uses of sub-metering in an industrial setting.

**Moderator**  
Paul Scheihing, DOE

#### PANELISTS

Richard Russell, Nissan  
Edwin Willhite, Schneider  
Electric

Overview of DOE's  
Industrial Energy  
Efficiency Programs  
and Resources  
(3:15 – 4:45 PM)

**ROOM** Columbia 1  
**LEVEL** Terrace

Staff from the Department of Energy's Advanced Manufacturing Office will lead interactive presentations on programs and resources aimed at improving energy efficiency in the industrial sector. There will be opportunities for questions and feedback from the audience.

**Moderator**  
Jay Wrobel, DOE

#### PANELISTS

Sandy Glatt, DOE  
Paul Scheihing, DOE  
John Smegal, DOE  
Claudia Tighe, DOE

### TRACK: BETTER BUILDINGS ACCELERATORS

Better Buildings  
Accelerator: Energy  
Savings Performance  
Contracting Partner  
Meetings  
(9:00 – 10:00 AM,  
10:15 AM – 12:00 PM,  
AND 1:00 – 4:00 PM)

**ROOM** Northwest  
**LEVEL** Lobby

**CLOSED MEETING.  
INVITE ONLY.**

Better Buildings Accelerator Energy Savings Performance Contracting (ESPC) Partners will learn about each other's efforts and goals and have the opportunity to participate in a peer exchange on the need for education and outreach about the ESPC mechanism. In the afternoon, Partners will provide feedback on e-Project Builder, DOE's tool for benchmarking ESPC projects, and discuss data, benchmarking, and reporting needs.

**Moderator**  
Alice Dasek, DOE

TRACK:  
INNOVATIVE REPLICABLE  
SOLUTIONS FROM MARKET LEADERS

Effective Water-Saving Strategies: Lessons from Leaders

A Lot with a Little: Leveraging Outside Resources to Augment Your Energy Management Program

**ROOM** Columbia 4  
**LEVEL** Terrace

**ROOM** Fairchild  
**LEVEL** Terrace

The commercial and industrial sectors account for more than 25 percent of the withdrawals from public water supplies. The efficient use of water resources has the potential to save between 20 and 40 percent, resulting in lower operating costs, a more reliable water supply, and improved water quality. Leading companies will discuss their methods and practices to reduce water use in their buildings and manufacturing plants.

Time, money, and expertise are often barriers to a robust energy management program. Better Buildings Challenge Partners and aligned organizations describe how they surmount these hurdles by developing a culture of sustainability and a track record of successful energy efficiency projects in their organizations.

**Moderator**  
Andre de Fontaine, DOE

**Moderator**  
Holly Carr, DOE

**PANELISTS**

**Denise Quarles**, Atlanta, GA  
**Nick Stolatis**, TIAA-CREF  
**Sean West**, United Technologies Corporation

**PANELISTS**

**Kelly Boulton**, Allegheny College  
**Merrilee Harrigan**, Alliance to Save Energy  
**Jaxon Love**, Shorestein Realty Services

TRACK:  
MAKING ENERGY  
EFFICIENCY INVESTMENT EASIER

Emerging Trends in Public-Private Financing Programs: Lessons Learned for On-Bill, PACE, and Credit Enhancements

Using Whole-Building Data for Decision-Making: The Real-World Experiences of Public and Private Building Owners

**ROOM** Jay  
**LEVEL** Lobby

**ROOM** Columbia 3  
**LEVEL** Terrace

On-bill financing and Property-Assessed Clean Energy (PACE) programs are financing products for promoting energy-efficiency that are emerging across the nation. Hear about the role that credit enhancement has played in bringing private dollars into these programs, and the on-the-ground experiences and key lessons learned from public officials, utility representatives, and financial institutions.

State governments and private building owners increasingly are using federal tools to assess and prioritize opportunities across their building portfolios, identify specific improvements and estimate the likely returns, and track building and project performance over time. Panelists will discuss EPA's Portfolio Manager® and DOE's Commercial Asset Scoring Tool and Buildings Performance Database as a suite, the applications of their analyses, and how these tools are influencing users' decision-making.

**Moderator**  
Molly Lunn, DOE

**Moderator**  
Elena Alschuler, DOE

**PANELISTS**

**Ben Taube**, Ygrene Energy  
**Greg Leventis**, Lawrence Berkeley National Laboratory  
**Kevin Moyer**, Toledo, OH

**PANELISTS**

**Henry Kurth**, University of Illinois Chicago's Energy Resources Center  
**Marla Thalheimer**, Liberty Property Trust  
**Erica Velarde**, New Mexico State Energy Office

TRACK:  
HIGH-IMPACT TECHNOLOGIES

TRACK:  
COLLABORATIONS AND PARTNERSHIPS

High-Performance Street and Area Lighting Upgrades: The Time to Act is Now

Commercial Building Re-Tuning: No- to Low-Cost Measures to Significantly Reduce Energy Consumption

Leveraging Utility Programs for Industrial Energy Efficiency

State Energy Competitive Working Group Meeting #1

**ROOM** Columbia 1–2  
**LEVEL** Terrace

**ROOM** Gunston  
**LEVEL** Terrace

**ROOM** L’Enfant  
**LEVEL** Lobby

**ROOM** Holmead  
**LEVEL** Lobby

Advanced lighting technology, including LED, lighting controls, and maintenance strategies, can achieve energy savings of 60 percent or more. Come hear from leading organizations about technology specifications, financing tools and guidance, cost calculators, and DOE technical assistance, and learn from their experiences, achievements, and challenges.

Building re-tuning is a low-cost process to identify and correct building operational problems that lead to energy waste. Hear from past trainees about the benefits of the DOE/Pacific Northwest National Laboratory-developed training curricula focused on re-tuning buildings both with and without building automation systems.

Utilities are offering programs that provide their industrial customers financial incentives and technical assistance to implement energy efficiency projects and practices. Hear from manufacturers that have successfully incorporated these offerings into their energy efficiency planning, resulting in savings for themselves as well as the utility. Learn what approaches have been the most successful.

**CLOSED MEETING. INVITE ONLY.**

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

**Moderator**  
Crystal McDonald, DOE

**Moderator**  
Marta Milan, Waypoint Building Group

**Moderator**  
Sandy Glatt, DOE

**Moderator**  
Alice Dasek, Chip Goyette, and Amy Kidd, DOE

**PANELISTS**

**Matthew Gray**, Cleveland, OH  
**Bruce Kinzey**, Pacific Northwest National Laboratory  
**Georgia Nesselrode**, Mid-America Regional Council  
**Penni Redford**, West Palm Beach, FL

**PANELISTS**

**Susan Corry**, University of Maryland-College Park  
**Don Haas**, Brandywine Realty Trust  
**John Healy**, Kennedy Wilson Properties

**PANELISTS**

**Gary Londo**, General Motors  
**Don Sturtevant**, The J.R. Simplot Company

TRACK:  
INNOVATIVE REPLICABLE  
SOLUTIONS FROM MARKET LEADERS

Energy/Water Nexus:  
Not Just a Drop in  
the Bucket

Real-Time Energy  
Management:  
Saving Energy  
Every 15 Minutes

**ROOM** L'Enfant  
**LEVEL** Lobby

The provision, transport, treatment, and use of water and wastewater accounts for 12–20 percent of total electricity consumption. Efforts to achieve ambitious energy-savings goals can't ignore the opportunity in increasing efficiency in water use throughout the supply chain and in equipment used for water networks and end-use. Panelists will discuss where savings opportunities exist and provide examples of efforts to address the challenges.

**ROOM** Columbia 4  
**LEVEL** Terrace

Tracking energy information at a more granular level within buildings—by system or piece of equipment every few minutes—can help building staff isolate usage issues and correct them much more quickly, garnering big energy savings. Panelists will discuss EMIS technologies and strategies that create and maintain whole-building energy savings.

**Moderator**  
Ira Birnbaum, DOE

**Moderator**  
Holly Carr, DOE

**PANELISTS**

**Eric Fitzer**, Arizona Governor's Office of Energy Policy  
**David Jacot**, Los Angeles Department of Water and Power  
**Sam Steele**, Fort Worth, TX

**PANELISTS**

**David Borchardt**, The Tower Companies  
**Jessica Granderson**, Lawrence Berkeley National Laboratory  
**Chad Harrell**, Lend Lease  
**Maggie McCarey**, Massachusetts

TRACK:  
MAKING ENERGY  
EFFICIENCY INVESTMENT EASIER

Recent Innovations  
in the Use of Bonds  
and Power Purchase  
Agreements for Clean  
Energy Initiatives

Speaking the CFO  
Language: Successfully  
Pitching Energy  
Efficiency to Decision-  
Makers

**ROOM** Jay  
**LEVEL** Lobby

This session will highlight new and exciting ways municipal bonds and power purchase agreements are being used for energy efficiency and distributed generation projects, as well as what opportunities might be presented by the emergence of the concept of "green bonds." Hear how diverse actors are engaging in this space and creatively using these tools to reach new sectors, lower costs, and catalyze investment.

**ROOM** Gunston  
**LEVEL** Terrace

Getting approval and funding for energy efficiency projects can often be challenging. In fact, insufficient attention and support from senior management has been cited as a critical barrier to advancing energy efficiency within the buildings sector. Speakers will share best practices for communicating the value of building energy efficiency projects to financial decision-makers and strategies to gain buy-in from organizational leadership.

**Moderator**  
Molly Lunn, DOE

**Moderator**  
Andrew Schulte, ICF International

**PANELISTS**

**Eric Friedman**, Massachusetts  
**Chris Jedd**, Denver Housing Authority  
**Steve Pearlman**, Pearlman and Miranda, LLC  
**Bruce Schlein**, Citi

**PANELISTS**

**Wendell Brase**, University of California, Irvine  
**Sharon Nolen**, Eastman Chemical Company  
**Brenna Walraven**, USAA Real Estate Company

TRACK:  
HIGH-IMPACT TECHNOLOGIES

TRACK:  
COLLABORATIONS AND PARTNERSHIPS

Reducing Energy Consumption in Restaurants and Kitchens

Myth-Busting Deep Energy Retrofits: Why a Whole-Building Approach is Right for Your Building

Evaluating Renewable Energy Options: Building-Integrated Solar and Biogas Energy

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

Putting Green Leasing into Practice

**ROOM** Kalorama  
**LEVEL** Lobby

Restaurants are very energy-intensive buildings, and kitchen energy accounts for up to 45 percent of the total delivered energy use in the commercial food service sector. Learn about best practices in Energy Management Systems and Demand Control Ventilation, as well as how DOE and partners are helping pave the way for energy savings in the commercial food service sector.

**Moderator**  
Rich Shandross, Navigant

**PANELISTS**

**Rich Catan**, Halton Americas  
**Juliann Rogers**, CKE Restaurant Holdings, Inc.

**ROOM** Columbia 1–2  
**LEVEL** Terrace

Deep energy retrofits take a whole-building approach to achieve dramatic energy savings. Strategic upgrades based on the interactions of multiple building systems can be made all at once or in a planned sequence over a number of years, for decreased capital investment and persistent energy savings, sometimes of 50 percent or more. In this session, we will discuss why deep energy retrofit approaches are right for your building.

**Moderator**  
Amy Jiron, DOE

**PANELISTS**

**Michael Bendewald**, Rocky Mountain Institute  
**Darien Crimmin**, WinnCompanies  
**Jim McClendon**, Walmart

**ROOM** Fairchild  
**LEVEL** Terrace

Strategic use of distributed renewable energy can help businesses reduce their energy costs and environmental footprint. Come hear advice and shared experiences on how to navigate complex regulations, business models, and utility policies to implement building-integrated renewable projects. Rooftop solar will be the first topic for discussion. We will also discuss additional opportunities such as biogas from food waste.

**Moderator**  
Jay Paidipati, Navigant

**PANELISTS**

**Quinn Kellis**, Dysart Unified School District  
**Drew Torbin**, Prologis

**ROOM** Morgan  
**LEVEL** Lobby

**CLOSED MEETING. INVITE ONLY.**  
Better Buildings Challenge Partners will connect one-on-one with Better Buildings Challenge Financial Allies and explore financing tools specifically relevant to each Partner. In advance of the Summit, DOE staff will work with interested Better Buildings Challenge Partners to collect information on their financing needs and priorities, and will then schedule meetings with the appropriate Allies.

**Moderator**  
Amy Ross, ICF International

**PANELISTS**

**Adam Sledd**, Institute for Market Transformation  
**Will Teichman**, Kimco Realty  
**Sally Wilson**, Newmark Grubb Knight Frank

**ROOM** Columbia 3  
**LEVEL** Terrace

Green leasing aligns the financial and environmental benefits of landlords and tenants to save money, conserve resources, and operate buildings more efficiently. Learn about the benefits of green leasing as members highlight the success of the Green Lease Leaders recognition program and participate in a highly interactive discussion about market trends, tenant demand challenges, and new resources to put green leasing into practice at your organization.

**Moderator**  
Deb Cloutier, JDM Associates

**PANELISTS**

**Adam Sledd**, Institute for Market Transformation  
**Will Teichman**, Kimco Realty  
**Sally Wilson**, Newmark Grubb Knight Frank



### NETWORKING LUNCHES

#### Meet and Greet: Federal Programs, Resources, and Financing Available for Energy Efficiency Upgrades and Clean Energy Deployment

**ROOM** Lincoln West

**LEVEL** Concourse

Meet with representatives from federal agencies about the financing programs and resources offered for clean energy. Agencies include the U.S. Departments of Agriculture, Energy, Housing and Urban Development, Transportation, and Treasury, along with the Environmental Protection Agency and Small Business Administration. The “Federal Finance Facilities Available for Energy Efficiency Upgrades and Clean Energy Deployment” resource guide will be featured.

**Moderator**

Colin Bishop, U.S. DOE

---

#### PANELISTS

**Crystal Bergemann**, U.S. Department of Housing and Urban Development (HUD)

**Gerard Moore**, U.S. Department of Agriculture, Rural Utilities Service, Energy Efficiency and Conservation Loan Program

**Linda Reilly**, Small Business Administration – 504 Loan Program

#### Technology Solutions Networking Lunch

**ROOM** Monroe

**LEVEL** Concourse

The Better Buildings Alliance has developed campaigns to help Technical Campaigns promote the manufacture and adoption of energy-efficient technologies by building owners and managers across the commercial building market. This networking lunch brings together participants, supporters, and potential participants to join in discussions on barriers and solutions, best practices, and lessons learned throughout the process of implementing the Campaign’s high-efficiency technologies.

**Moderator**

Marta Milan, Waypoint Building Group



**TRACK:  
INNOVATIVE REPLICABLE  
SOLUTIONS FROM MARKET LEADERS**

**TRACK:  
MAKING ENERGY  
EFFICIENCY INVESTMENT EASIER**

**Tying Energy Efficiency to Compensation and Performance Reviews**

**Co-Benefits Reaped from Energy Planning and Energy Efficiency Technology**

**Industrial EM&V: Process Improvement-Focused Energy Efficiency Programs**

**Getting to Scale: Energy Investment Partnerships and Early Sales to the Secondary Market**

**Energy Data Access: Helping Building Owners Obtain Whole-Building Energy Data to Drive Performance Assessment and Improvements**

**ROOM** Columbia 4  
**LEVEL** Terrace

Employees have long enjoyed bonuses, stellar annual reviews, and even free vacations for meeting sales targets or other corporate goals. Why not extend the practice to sustainability? Learn about the initiatives Better Buildings and Better Plants Partners have in place to reward employees for meeting energy efficiency goals.

**Moderator**  
Holly Carr, DOE

**ROOM** Fairchild  
**LEVEL** Terrace

In addition to reducing energy expenditures, energy efficiency provides important co-benefits, including environmental and health benefits from reduced emissions. Come hear how state and local governments have used energy efficiency to improve air quality and public health, as well as the tools available for quantifying the benefits.

**Moderator**  
Bill Becker, National Association of Clean Air Agencies

**ROOM** Holmead  
**LEVEL** Lobby

Evaluators and program administrators are working with industrial customers to implement process-focused efficiency programs such as strategic energy management, continuous energy improvement, and Superior Energy Performance. Panelists will discuss how they implemented programs within their organizations and overcame the challenges to reliably attributing savings to these programs.

**Moderator**  
Michael Li, DOE

**ROOM** Jay  
**LEVEL** Lobby

With limited budgets, state and local governments must work with financial institutions to take energy programs to scale. Two strategies are aggregating loans under an energy investment partnership, such as a green bank or warehousing entity, and increasing access to capital by selling energy efficiency loan portfolios into the secondary market. Learn how partnerships are playing out in the field, and what lessons early deals can provide.

**Moderator**  
Molly Lunn, DOE

**ROOM** Columbia 1–2  
**LEVEL** Terrace

Commercial property owners and operators who wish to assess and implement energy improvement opportunities at their buildings need complete and current energy data. Hear about programs and efforts designed for building owners seeking more ready access to information about current and historical energy use to help benchmark (or continuously monitor) the energy performance of their buildings.

**Moderator**  
Andrew Schulte, ICF International

**PANELISTS**

**Walt Brockway**, Alcoa  
**Bob Gonzalez**, Land O’ Lakes  
**Bob Holesko**, HEI Hotels and Resorts

**PANELISTS**

**Tad Aburn**, Maryland Department of the Environment  
**Elaine Chang**, South Coast Air Quality Management District, CA  
**Robyn DeYoung**, EPA  
**Sara Hayes**, American Council for an Energy-Efficient Economy

**PANELISTS**

**Todd Amundson**, Bonneville Power Administration  
**Marc Collins**, Itron, Inc.  
**Hossein Haeri**, Cadmus Group, Inc.  
**Richard Russell**, Nissan

**PANELISTS**

**Elizabeth Bellis**, Energy Programs Consortium  
**Benjamin Healy**, Connecticut Clean Energy Finance and Investment Authority  
**Bruce Schlein**, Citi  
**Derek Smith**, Clean Energy Works Oregon  
**Chani Vines**, DOE

**PANELISTS**

**Nicole Ballinger**, Seattle, WA  
**Andrew Burr**, Institute for Market Transformation  
**Will Teichman**, Kimco Realty

TRACK:  
HIGH-IMPACT TECHNOLOGIES

Next Generation HVAC and Planning Approaches for Incredible Savings

Combined Heat and Power: A Proven High Impact Opportunity

Announcing New Resources to Help You Evaluate Energy-Saving Technologies and Design Options: The Technology Performance Exchange and Energy Design Assistance Tracker

Speed-Dating: Learn about Offerings from Better Buildings Challenge Financial Allies (1:30–5:00 PM)

**ROOM** Kalorama  
**LEVEL** Lobby

Commercial space conditioning (heating, cooling, and ventilation) accounts for about 7.0 quads of primary energy per year, or about 40 percent 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.

**Moderator**  
Michael Deru, NREL

**ROOM** Columbia 3  
**LEVEL** Terrace

Combined heat and power (CHP) is an efficient and clean approach to generating on-site electric power and useful thermal energy (for space cooling, heating, or process heating) from a single fuel source. Panelists will provide real-world perspectives from public and private stakeholders who have successfully installed CHP systems and are reaping the benefits.

**Moderator**  
Claudia Tighe, DOE

**ROOM** Gunston  
**LEVEL** Terrace

Building owners, engineers, and modelers require tools and models to evaluate energy-saving technologies and design options. Panelists share their experiences with the Technology Performance Exchange, a web-based portal that provides access to performance data on thousands of building-related products, and the Energy Design Assistance Tracker, a web tool that automates the administration of new construction and deep retrofit incentive programs.

**Moderator**  
Amy Jiron, DOE

**ROOM** Morgan  
**LEVEL** Lobby

**CLOSED MEETING. INVITE ONLY.**

Better Buildings Challenge Partners will connect one-on-one with Better Buildings Challenge Financial Allies and explore financing tools specifically relevant to each Partner. In advance of the Summit, DOE staff will work with interested Better Buildings Challenge Partners to collect information on their financing needs and priorities, and will then schedule meetings with the appropriate Allies.

**Moderator**  
Amy Ross, ICF International

**PANELISTS**

Tony Bouza, DOE  
Scott Williams, Target Corporation

**PANELISTS**

Pam Maines, Pepco Energy Services  
Mel Nickerson, Illinois  
John Park, U.S. Department of Veteran Affairs  
Steve Swinson, Thermal Energy Corporation

**PANELISTS**

Larry Brackney, National Renewable Energy Laboratory  
Tyler Dillavou, Bonneville Power Administration  
Jennifer Elling, Xcel Energy  
Daniel Studer, National Renewable Energy Laboratory

**TRACK:  
INNOVATIVE REPLICABLE  
SOLUTIONS FROM MARKET LEADERS**

**It's Not Just About Technology: Accelerating Adoption of Energy-Saving Approaches in Parking Facilities**

**ROOM** L'Enfant  
**LEVEL** Lobby

Enhancing the performance of parking facilities through lighting and other high-performance technologies can result in 70 percent energy savings. Panelists will share progress made to date in encouraging the development of high-performance parking facilities, including an overview of the 2014 Lighting Energy Efficiency in Parking Award winners and early lessons from the Green Parking Council's Green Garage Certification Beta.

**Moderator**  
Paul Wessell, Green Parking Council

**PANELISTS**

**Chris Magee**, MGM Resorts International  
**Nick Stolatis**, TIAA-CREF

**Extending the Benefits of Energy Efficiency Across the Value Chain**

**ROOM** Columbia 3  
**LEVEL** Terrace

Leading companies are beginning to look beyond their own operations for energy-saving opportunities. Learn how companies are leveraging their successful experiences with energy efficiency to engage suppliers and other organizations within their value chains to achieve even greater energy savings.

**Moderator**  
Andre de Fontaine, DOE

**PANELISTS**

**George Andraos**, Ford  
**Steven Liu**, Legrand  
**Jim McClendon**, Walmart  
**Clay Nesler**, Johnson Controls

**TRACK:  
MAKING ENERGY  
EFFICIENCY INVESTMENT EASIER**

**Getting Traction in Market Transactions: A Conversation with the Appraisal, Brokerage, and Financial Communities**

**ROOM** Fairchild  
**LEVEL** Terrace

There is an increasing amount of evidence linking energy efficiency to financial benefits in commercial and multifamily buildings, seen in operating expenses, rents, vacancy, occupant productivity, maintenance and repair costs, and sale prices. But are these benefits being appropriately considered in real estate transactions? Learn more about changes in market practices from leading voices in the building appraisal, brokerage, and financing communities, and discuss what else needs to happen to capture the full value of efficiency.

**Moderator**  
Elena Alschuler, DOE

**PANELISTS**

**Theddi Wright Chappell**, Sustainable Values, Inc.  
**David Pogue**, CB Richard Ellis  
**Donna Varner**, Multifamily Green Initiative at Fannie Mae

**Sustaining Clean Energy Initiatives by Recycling Energy Savings: RLFs**

**ROOM** Gunston  
**LEVEL** Terrace

Learn about multiple approaches to tracking, capturing, and recycling financial savings from energy projects to further efficiency and sustainability goals in both public and private organizations. Presenters will share details of how their funds were established and managed, as well as the results realized to date.

**Moderator**  
Ira Birnbaum, DOE

**PANELISTS**

**Kerry Campbell**, Pennsylvania Department of Environmental Protection  
**Benjamin Healy**, Connecticut Clean Energy Finance and Investment Authority  
**Nicolas Whitcombe**, NY Green Bank  
**Jeff Wrigley**, University of Utah

TRACK:  
**HIGH-IMPACT TECHNOLOGIES**

TRACK:  
**COLLABORATIONS AND PARTNERSHIPS**

**Making the Case for Building Efficiency Using Modeled Savings Estimates**

**Maximizing Supermarket Refrigeration System Energy Efficiency**

**Getting to Zero: The How (and Why) of Net Zero Energy Buildings**

**Workshop on Model Efficiency Program for Affordable Housing**

**Public–Private Partnerships to Catalyze Community-Wide Efficiency**

**ROOM** Holmead  
**LEVEL** Lobby

**ROOM** Kalorama  
**LEVEL** Lobby

**ROOM** Columbia 4  
**LEVEL** Terrace

**ROOM** Jay  
**LEVEL** Lobby

**ROOM** Columbia 1–2  
**LEVEL** Terrace

With new financing options emerging, there are many opportunities and challenges for realizing building efficiency opportunities. A project developer reveals the top-10 real-world challenges for making investment decisions based on modeled savings estimates, and speakers will offer practical guidance for using savings estimates to make the case for efficiency, including a review of simulation software capabilities and best-practice modeling methods.

In supermarkets, grocery stores, and convenience stores, refrigeration can account for up to 60 percent of a building’s total energy use. Attendees at this session will learn how they can work with the Better Buildings Alliance Refrigeration Technical Team to improve the efficiency of refrigeration systems and components, including display cases, walk-in coolers and freezers, condensing units, compressor racks, and controls.

Better Buildings Challenge Partners and an architect experienced with highly efficient design describe net zero energy (NZE) buildings in their portfolios, outlining technologies and strategies employed to reach NZE, and best practices for developing NZE projects within your portfolio.

A new national project will create model state energy efficiency programs to reach multifamily affordable housing—a long underserved sector, even though efficiency projects can offer benefits to residents and utilities. In this session, project leaders will share draft terms of a model program and seek your input. The project team is the Natural Resources Defense Council, National Housing Trust, Elevate Energy, and the Energy Foundation.

Public sector leaders will share insights on managing strategic programs to engage building owners in community-wide efficiency goals. Presenters representing diverse community types explain how they have crafted programs that leverage local partnerships, and take into account regional attitudes. During the second half of the session, participants will discuss the diverse approaches to these programs in more detail with panelists in breakout roundtables.

**Moderator**  
Amir Roth, DOE

**Moderator**  
Bob Zogg, Navigant

**Moderator**  
Carolyn Sarno, Northeast Energy Efficiency Partnerships

**Moderator**  
Kevin Bush, HUD

**Moderator**  
Sarah Zaleski, DOE

**PANELISTS**

**Michael Bendewald**, Rocky Mountain Institute  
**Michael Deru**, National Renewable Energy Laboratory  
**Sean Neill**, SCLenergy

**PANELISTS**

**Mason Cavell**, Community Housing Partners  
**Tom Hootman**, RNL Design  
**Theresa Spurling-Wood**, Alachua County Public Schools

**PANELISTS**

**Nell Boyle**, Roanoke, VA  
**Shelby Buso**, Atlanta, GA  
**Sam Gunderson**, Fort Worth, TX  
**Dave Hodgins**, Los Angeles, CA  
**Scott Pomeroy**, Washington, DC  
**Jamie Ponce**, Chicago, IL  
**Dan Seligman**, Maryland

TRACK:  
BETTER BUILDINGS ACCELERATOR

Better Buildings Accelerator: Industrial Superior Energy Performance Meeting

**ROOM** L'Enfant  
**LEVEL** Lobby

CLOSED MEETING.  
INVITE ONLY.

Better Buildings Accelerator Superior Energy Performance (SEP) Partners will discuss training strategies and the enterprise-wide audit sampling plan, as well as continued opportunities for collaboration between Enterprise-wide and Ratepayer-funded Accelerator Partners to increase SEP adoption. Key communication pieces will also be reviewed.

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

Better Buildings Accelerator: Energy Data Meeting

**ROOM** Fairchild  
**LEVEL** Terrace

CLOSED MEETING.  
INVITE ONLY.

Better Buildings Accelerator Energy Data Partners and stakeholders will present progress on stakeholder engagement and discuss upcoming work on approaches for achieving their data access commitments. There will be presentations and discussions on the context for data access, best practices for stakeholder engagement, privacy and regulatory concerns, how to design approaches for the Accelerator, and how to incorporate ENERGY STAR® Portfolio Manager and Green Button.

**Moderator**  
Laurie Actman, Consortium for Building Energy Innovation

**PANELISTS**

- James Cater**, NSTAR/  
Northeast Utilities
- Philip Henderson**, Natural Resources Defense Council
- Todd Isherwood**, Boston, MA
- Karen Penafiel**, Building Owners and Managers Association International
- Marla Thalheimer**, Liberty Property Trust

TRACK:  
MULTIFAMILY SECTOR

Financing Renewable Energy in Multifamily Housing

**ROOM** Columbia 3  
**LEVEL** Terrace

Renewable energy installation projects can require a unique combination of financing, expertise, and partnerships. This session will highlight several successful strategies and funding opportunities for others to model.

**Moderator**  
Crystal Bergemann, HUD

**PANELISTS**

- Ben Healey**, Clean Energy Finance and Investment Authority
- Chris Jedd**, Denver Housing Authority
- Jared Lang**, National Housing Trust
- Elaine Ulrich**, Solar Energy Technology Program, DOE

Passive House, Living Building Challenge, Net Zero, and Other Aggressive Green Building Standards

**ROOM** Gunston East  
**LEVEL** Terrace

This session will provide an overview of several aggressive green building standards and share several real-world examples of their implementation.

**Moderator**  
Kevin Bush, HUD

**PANELISTS**

- Gina Ciganik**, Aeon
- Krista Egger**, Green Communities, Enterprise Community Partners
- Asa Foss**, U.S. Green Building Council

TRACK:  
PUBLIC SECTOR

TRACK:  
CROSS-CUTTING

State Energy  
Competitive Working  
Group Meeting #2

Harnessing the  
Power of Data from  
Benchmarking and  
Disclosure

Stimulating State-wide  
Energy Savings  
Through Savings  
Targets and Ratepayer  
Funded Programs

Roundtable: National  
Laboratory Impact  
Initiative

**ROOM** Jay  
**LEVEL** Lobby

**ROOM** Columbia 1  
**LEVEL** Terrace

**ROOM** Columbia 2  
**LEVEL** Terrace

**ROOM** Columbia 4  
**LEVEL** Terrace

CLOSED MEETING.  
INVITE ONLY.

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

Nine cities and two states have passed building benchmarking and disclosure policies, affecting nearly 5 billion square feet of floor space in the nation's largest real estate markets. During this session, policy implementers and researchers discuss how data being collected as a result of benchmarking and disclosure policies is being used by building owners, real estate markets, and program implementers to further market transformation.

State Energy Offices are leading extensive stakeholder engagement efforts to enhance policies and strategies that will help reach their state's energy efficiency potential. Hear about the strategies these states have employed to build consensus across various stakeholder groups in their state to advance energy efficiency targets and identify additional cost-effective energy efficiency resources.

The National Laboratory Impact Initiative aims to develop a coordinated strategy of policies and programs to accelerate the commercial impact of its National Labs on the clean energy industry. Senior staff from DOE's Office of Energy Efficiency and Renewable Energy will discuss the Initiative and solicit feedback from stakeholders on their experiences working with the labs on clean energy technologies.

**Moderator**  
Alice Dasek, Amy Kidd, and  
Jason Powers, DOE

**Moderator**  
Sarah Zaleski, DOE

**Moderator**  
Annie Downs, American Council  
for an Energy-Efficient Economy

**Moderator**  
Jetta Wong, DOE

**PANELISTS**

**Alex Dews**, Philadelphia, PA  
**Marshall Duer-Balkind**,  
Washington, DC  
**Constantine Kontokosta**,  
Center for Sustainable Built  
Environment, New York  
University  
**Brendon Slotterback**,  
Minneapolis, MN

**PANELISTS**

**Dan Saucier**, Mississippi  
**Dub Taylor**, Texas  
**Sara Telano**, Arkansas  
**Jenah Zweig**, Southeast  
Energy Efficiency Alliance



TRACK:  
BETTER BUILDINGS ACCELERATOR

Better Buildings Accelerator: Industrial Superior Energy Performance Meeting

Better Buildings Accelerator: Energy Data Meeting

**ROOM** L'Enfant  
**LEVEL** Lobby

**ROOM** Fairchild  
**LEVEL** Terrace

CLOSED MEETING.  
INVITE ONLY.

CLOSED MEETING.  
INVITE ONLY.

Better Buildings Accelerator Superior Energy Performance Partners will discuss training strategies and the enterprise-wide audit sampling plan, as well as continued opportunities for collaboration between Enterprise-wide and Ratepayer-funded Accelerator Partners to increase SEP adoption. Key communication pieces will also be reviewed.

Better Buildings Accelerator Energy Data Partners and stakeholders will present progress on stakeholder engagement and discuss upcoming work on approaches for achieving their data access commitments. There will be presentations and discussions on the context for data access, best practices for stakeholder engagement, privacy and regulatory concerns, how to design approaches for the Accelerator, and how to incorporate ENERGY STAR® Portfolio Manager and Green Button.

**Moderator**  
Sandy Glatt, DOE  
Paul Scheihing, DOE

**Moderator**  
Andrew Schulte,  
ICF International

**PANELISTS**

**Miles Keogh**, National Association of Regulatory Utility Commissioners  
**Drew Quirk**, Xcel Energy  
**Nicole Sitaraman**, District of Columbia Office of the People's Counsel

TRACK:  
MULTIFAMILY SECTOR

New Technical Resources to Enhance Energy Efficiency in Multifamily Housing: Green Physical Needs Assessments and Tools

Energy Management and Benchmarking

**ROOM** Columbia 1  
**LEVEL** Terrace

**ROOM** Columbia 3  
**LEVEL** Terrace

This session will present dynamic new tools and resources to support energy-efficient building improvements at the time of financing, with a focus on green physical needs assessments and energy audit techniques. Presentations will feature HUD's Capital Needs Assessment E-Tool, DOE's Multifamily Tool for Energy Auditing (MulTEA), and Fannie Mae's High Performance Building Module.

This session will focus on data-driven energy management and benchmarking. Panelists will provide case studies of energy savings projects and updates on energy management solutions for multifamily housing.

**Moderator**  
Trisha Miller, HUD

**Moderator**  
Kevin Bush, HUD

**PANELISTS**

**Chrissa Pagitsas**, Fannie Mae  
**Jennifer Somers**, DOE  
**Theodore K. Toon**, HUD

**PANELISTS**

**Jonathan Braman**, Bright Power, Inc.  
**Ed Connelly**, New Ecology, Inc.  
**Mike Zatz**, ENERGY STAR® Commercial Buildings, EPA

TRACK:  
PUBLIC SECTOR

Best Practices in Streamlining Access to Energy Data

**ROOM** Columbia 4  
**LEVEL** Terrace

States and cities have developed processes for automating access to utility bill data, helping them continuously monitor their energy consumption, streamline bill payment, and reduce billing errors and energy waste. Learn how these entities worked with their utilities and organizations to simplify the energy data collection process and how they are benefiting from this enhanced access to utility data.

**Moderator**  
Mona Khalil, DOE

**PANELISTS**

**Elise Anderson**, Massachusetts  
**Sam Brooks**, District of Columbia  
**Lori Herrick**, Virginia Beach, VA

TRACK:  
INDUSTRIAL SECTOR

Partnering with DOE to Engage Suppliers in Energy Efficiency

**ROOM** Columbia 2  
**LEVEL** Terrace

In this session, DOE will share an update and receive feedback on a pilot initiative it is developing on supply chain energy efficiency. Through this pilot, DOE plans to work with Better Plants Partners to provide technical assistance and other resources to help their suppliers set and achieve energy-saving goals.

**Moderator**  
Andre de Fontaine, DOE

Planning for a Successful Energy Savings Performance Contract

**ROOM** Gunston East  
**LEVEL** Terrace

Everyone’s heard a story about an ESPC project gone awry. Come learn about some solid planning strategies for achieving ESPC success. DOE will present several resources coming online this year, including guidelines for establishing an ESPC program, recommendations for executing ESPC in the K–12 sector, and concrete steps you can take in your everyday work to build support for ESPC and enable the successful execution of ESPC projects. Hear from peers who have used some of these strategies.

**Moderator**  
Chani Vines, DOE

**PANELISTS**

**Peter Berger**, Minnesota  
**Larry Falkin**, Cincinnati, OH  
**Eloisa Portillo-Morales**, El Paso, TX  
**Philip Quebe**, Cadmus Group, Inc.

NETWORKING LUNCHES

Regional Networking Lunches

**ROOM** Jay  
**REGION** Mid-Atlantic and Northeast (ME, NY, VT, MA, RI, CT, NJ, NH, PA, VA, WV, MD, DE, DC)

**ROOM** Kalorama  
**REGION** Southeast (NC, SC, GA, FL, AL, MS, TN, KY, PR, VI)

**ROOM** Morgan  
**REGION** South Central (NM, TX, LA, AR, OK)

**ROOM** Northwest  
**REGION** West (WA, OR, ID, CA, NV, AZ, GU, HI)

**ROOM** L’Enfant  
**REGION** Midwest (OH, IN, MI, IL, WI, MN, MT, WY, ND, SD, CO, UT, KS, NE, IA, MO)

Take advantage of this opportunity to meet building owners, program managers, utilities, and other decision-makers doing innovative work across multiple sectors in your region of the country.

TRACK:  
**BETTER BUILDINGS ACCELERATOR**

**Better Buildings Accelerator:  
Energy Data Meeting  
(1:00–3:00 PM)**

**ROOM** Fairchild  
**LEVEL** Terrace

**CLOSED MEETING. INVITE ONLY.**

Better Buildings Energy Data Accelerator Partners and stakeholders will present progress on stakeholder engagement and discuss upcoming work on approaches for achieving their data access commitments. There will be presentations and discussions on the context for data access, best practices for stakeholder engagement, privacy and regulatory concerns, how to design approaches for the Accelerator, and how to incorporate ENERGY STAR® Portfolio Manager and Green Button.

**Moderator**  
Kristin Field, National Renewable Energy Laboratory

**PANELISTS**

**Nicole Ballinger**, Seattle, WA  
**Irena Putrya**, Puget Sound Energy  
**Manuel Vera**, Pepco Holdings, Inc.

TRACK:  
**MULTIFAMILY SECTOR**

**Financial Partnerships to Advance  
Energy Efficiency**

**ROOM** Columbia 1  
**LEVEL** Terrace

Participate in a facilitated discussion about financing strategies and pathways to fund energy efficiency, including: pay for success, energy performance contracting, and innovative financial products. Panelists include several Better Buildings Challenge Financial Allies.

**Moderator**  
Trisha Miller, HUD

**PANELISTS**

**Jeff Greenberger**, Affordable Community Energy  
**Kim Latimer-Nelligan**, Low Income Investment Fund  
**Rick Samson**, Stewards of Affordable Housing for the Future Energy  
**Bruce Schlein**, Citi

**Partnering with your Utility  
to Get Whole-Building Data  
in Multi-Tenant Buildings**

**ROOM** Columbia 2  
**LEVEL** Terrace

Multifamily building owners and managers often find it difficult to obtain whole-building energy data in multi-tenant buildings. Panelists will highlight best practices from across the country on how to gain access to this data.

**Moderator**  
Kevin Bush, HUD

**PANELISTS**

**Brian Bieler**, REACH CDC  
**Michael Bodaken**, National Housing Trust  
**Kevin Bricknell**, ComEd

TRACK:  
PUBLIC SECTOR

State and Local Energy Planning

Best Practices in Energy  
Data Management

**ROOM** Columbia 3

**LEVEL** Terrace

State and local strategic energy planning is a critical step in energy management. For the states, cities, and municipalities that are currently creating or revising their strategic energy plans, this session will review tools and best practices created to develop effective plans with enduring energy impacts. The National Association of State Energy Officials' Guidelines for State Energy Planning and DOE's Community Energy Strategic Plan will be discussed.

**Moderator**

Kate Marks, National Association of State Energy Officials

---

**PANELISTS**

Eric Fitzer, Arizona

Erick Shambarger, Milwaukee, WI

Rachel Sholly, Rhode Island

**ROOM** Columbia 4

**LEVEL** Terrace

Public sector entities own complex portfolios of energy-using assets, making it especially challenging to track and manage energy use across the organization. Panelists will include representatives of public sector organizations that have successfully employed comprehensive solutions that put valuable data at their fingertips.

**Moderator**

Mona Khalil, DOE

---

**PANELISTS**

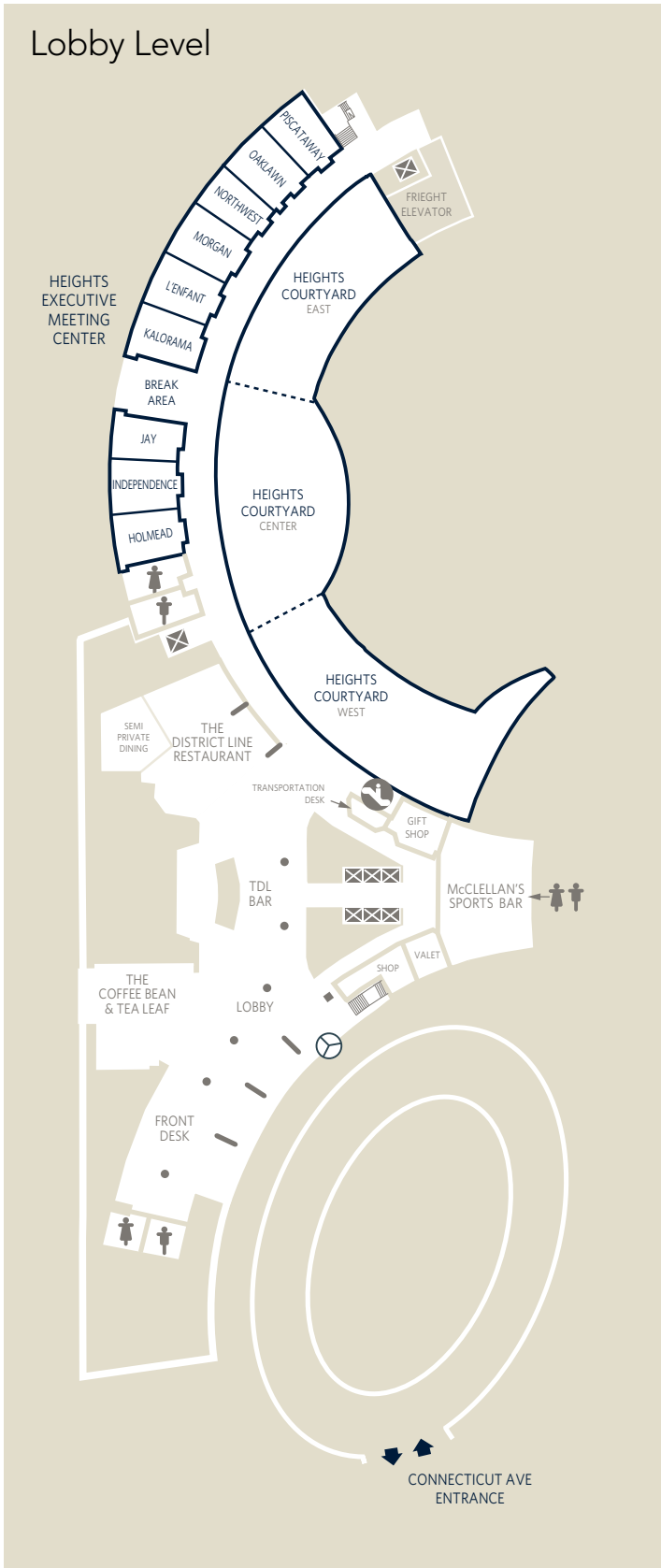
Adam Agalloco, Philadelphia, PA

Debra Hall, Massachusetts

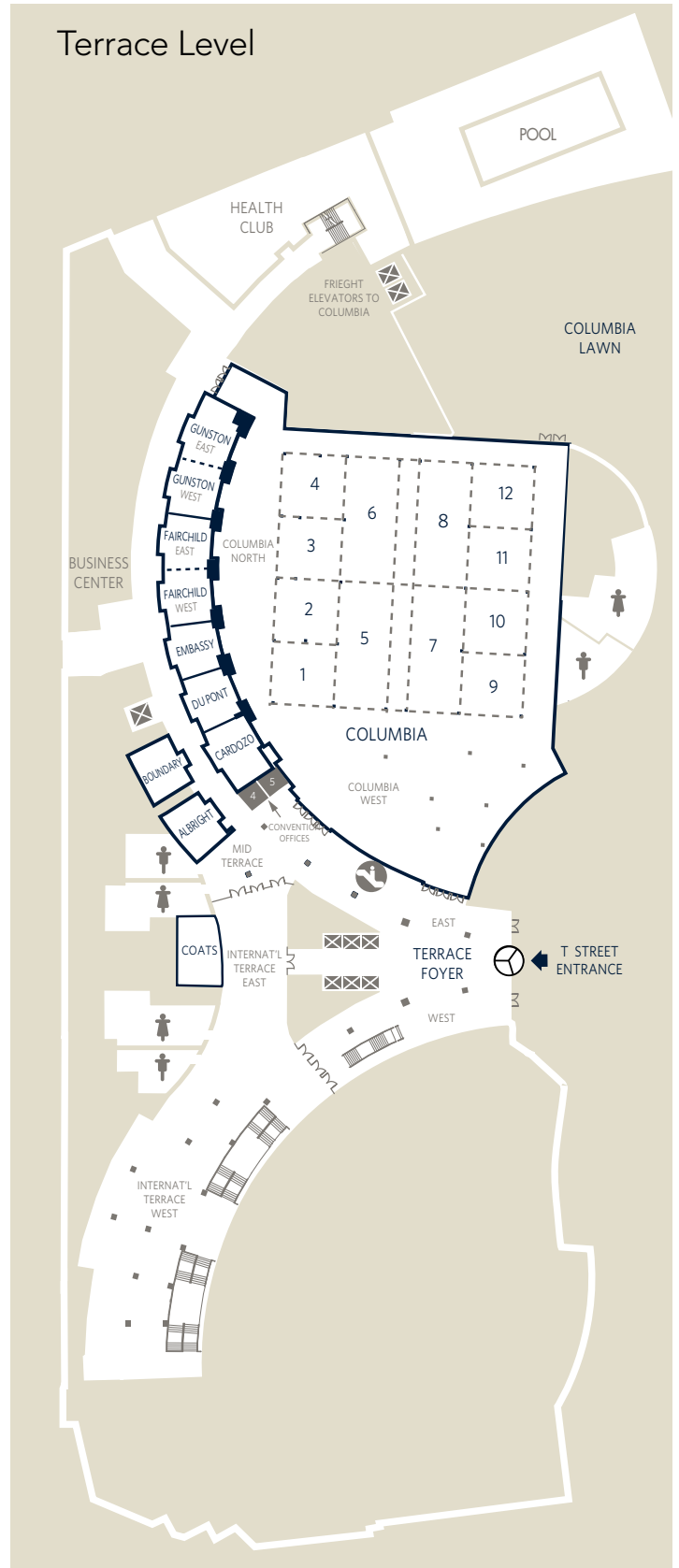
Lionel Hill, Maryland

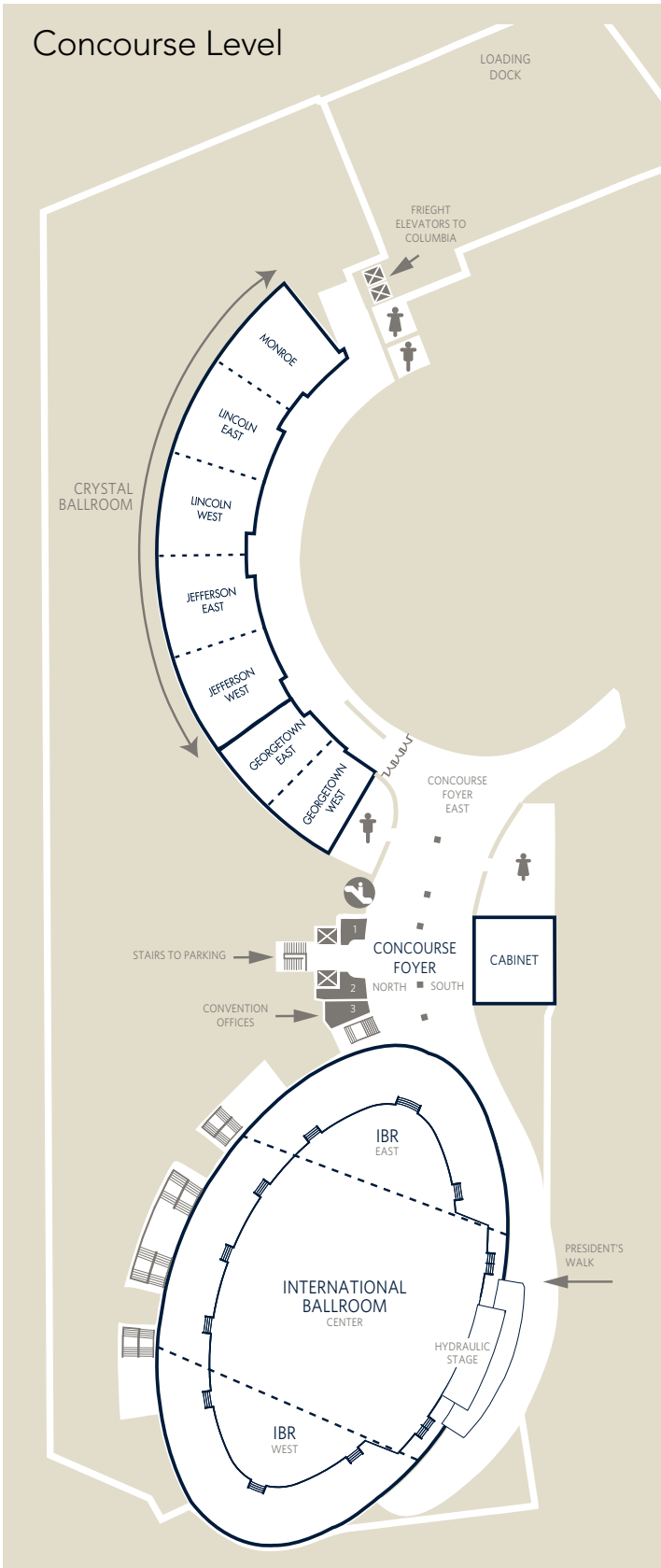
# WASHINGTON HILTON HOTEL MAP

## Lobby Level



## Terrace Level





---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

