Better Buildings, Better Plants
SUMMIT

Learn more: betterbuildingssolutioncenter.energy.gov/summit
Commercial Sector Meet Up

Wednesday, May 18th, 2022
9:00 – 10:30 AM ET
Moderators

Hannah Debelius
Commercial Real Estate Lead
Building Technologies Office, DOE

Mariana Egea Casalduc
Healthcare and Hospitality Lead
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Retail/Food Service/Grocery and Higher Education Lead
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Cedar Blazek
Utilities Lead
Building Technologies Office, DOE
Agenda

1. Welcome and Introductions
2. This Year in the Commercial Sectors
3. Sector Break-Outs
4. Report Out
5. Closing and Q&A
Introductory Polls

What electrification and decarbonization strategies are you implementing?

What technologies are you interested in?

What are you excited about at Summit this year?
Commercial Sector Updates
Congrats to Goal Achievers!

- **Life Time, Inc.**
  - 38% **energy** savings
  - 16.2M sq. ft.

- **Whole Foods Market**
  - 21% **energy** savings
  - 12.3M sq. ft.

- **The Wendy’s Company**
  - 25% **water** savings
  - 1.25M sq. ft.

- **Wendium of Florida, Inc. (a Wendy’s franchisee)**
  - 31% **water** savings
  - 18,500 sq. ft.
Better Climate Challenge

Challenge to organizations across US economy

Portfolio-wide reduction in GHG emissions of *at least 50%* in 10 years

- Reduction includes Scope 1 & 2 emissions
- No offsets
- Baseline up to 5-years back from join date
- Encouraged to establish an absolute target, but intensity-based targets will be accepted
- Pursue an energy efficiency target that will contribute towards the 50% emissions reduction. This target is intended to encourage prioritizing energy efficiency when pursuing a decarbonization plan.
Welcome to Commercial Sector BCC Partners and Allies!
Welcome to the new Utility Sector!

Better Climate Challenge Partner

Better Climate Challenge Partner

Better Climate Challenge Ally
Low Carbon Pilot

- Showcase real world pathways representing different examples of how organizations have achieved low carbon buildings or plants.
- Work with partners to demonstrate what is possible, remaining challenges, and successful solutions.
- Understand the correlation between CO$_2$ emission reduction, energy efficiency, savings, and resilience.
Low Carbon Pilot

**Commercial Real Estate**
- Columbia Association
- CommonWealth Partners
- Douglas Emmett
- Empire State Realty Trust
- Jamestown
- Kilroy Realty
- LA Museum of Contemporary Art
- LaSalle Investment Management
- LBA Realty
- MetLife Investment Management
- Parkway
- Shorenstein Properties
- Vornado Real Estate Trust

**Healthcare**
- Gundersen Health Systems
- Physicians Realty Trust
- UW Health

**Barriers Partners Have Shared**
- Financing and ROI considerations
- Electrification retrofits and understanding of emerging and existing technologies
- Renewable energy options
- Space limitations for technologies (i.e. lack of roofspace for renewables on high rise towers)
- Control of tenant spaces
Commercial Sector Happenings on the Solution Center

New Case Studies
❖ WashREIT Multifamily PV case study
❖ Link Industrial PV case study
❖ Tower Office PV case study
❖ Healthcare Realty MOB PV case study
❖ RILA Renewable Energy Primers for Retailers

New Implementation Models
❖ Univ. of Utah Health: Using RCx and EMIS to Optimize and Manage Performance

New Showcase Projects
❖ Dept. of Veterans Affairs: Erie Medical Center
❖ Towson University: Residence Tower
❖ Gundersen Health System: Consolidated Services Center

New Solutions-at-a-Glance
❖ Columbia Association: Decarbonization with Heat Pump Water Heaters
❖ LBA Realty Leverages Sustainability-as-a-Service Program to Engage Tenants
❖ Stevens Institute of Technology Uses Green Bond For Campus Upgrades
❖ Community College of Allegheny County: PPA Enables 543 Kw Solar Installation
❖ Hawaiian Airlines Engages Employees in Energy Efficiency Practices
❖ Highwoods Properties: Co-Op Education Program for Workforce Development
❖ Northwestern University: Using An Energy-As-A-Service Partnership To Reduce Emissions And Train Students

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Tech Campaigns & Challenges

**Building Envelope Campaign** - work to improve the performance of building envelopes in both new and existing buildings by setting goals for performance, determining available energy savings, and leveraging technical support from DOE.

**Integrated Lighting Campaign** - growing out of the Interior Lighting Campaign, the new Integrated Lighting Campaign is expanding its focus from interior lighting improvements to the integration of new uses for energy-efficient lighting with linking controls between HVAC units, plug loads, and occupancy sensors.
Technology Research Teams

- Building Envelope
- Energy Management Information Systems
- Lighting & Electrical
- Plug & Process Loads
- Space Conditioning
- Renewables Integration
- Refrigeration
- Field Validation Results Hub

https://betterbuildingssolutioncenter.energy.gov/alliance/tech-teams
Sector Breakouts
What’s Upcoming at Summit?

• Sessions on Emerging Trends and Technologies, Organizational Strategies, Achieving Decarbonization, and Beyond Energy

• Lunch and Opening Plenary (today, 12:30 – 2pm), feat.:
  • Jennifer M. Granholm, 16th Secretary of Energy
  • Gina McCarthy, National Climate Advisor
  • Leaders from Better Buildings and Better Plants on Leadership in Decarbonization and Energy Efficiency

• Networking Reception this evening

• Plenary and Partner Recognition (tomorrow, 9 -10:30am), feat.:
  • Goal Achiever Recognition
  • Green Lease Leader Recognition
  • Conversation with Senior Leaders from the National Labs, to discuss emerging technologies
Thank You!

Provide feedback on this session in the Summit App!

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