Agenda

1 » Overview of Commercial Building Energy Alliances

2 » New Specifications, What they Are and How to Use

3 » Next Steps, Demonstration Opportunities

4 » Questions
Overview of CBEA

Commercial Building Energy Alliances pool the expertise and scale of multiple organizations to pursue broad projects that have potential market-wide impacts.
CBEA activities are developed through **member Project Teams**. Currently, there are 7 project teams, with more planned.

- **Lighting Team**
  - Initiated the LEEP campaign w/ BOMA, IFMA
  - Assist members to qualify for the 179D tax deduction

- **HVAC Team**
  - Manage the RTU Challenge
  - Initiated the RTU Retirement campaign

- **Plug and Process Load Team**
  - Developed guidance on reducing plug loads

- **Refrigeration Team**
  - Developed a refrigeration commissioning guide w/ ASHRAE
  - Developed guide for installing doors on open refrigeration cases

- **Food Service Team**
  - Developing energy benchmarks for food service buildings
  - Developing guidance on food service energy management systems

- **Laboratory Team**
  - Kicked off the fume-hood sash management program
  - Working w/ Energy Star to develop a freezer test plan

- **Market Transformation Team**
  - Launched the Green Lease Library
  - Conducted training sessions on building retuning

[commercialbuildings.energy.gov/alliance]
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**CBEA Technology Specifications** are resources developed in coordination with all Project Teams. They are communication devices meant to help purchasers ensure they are acquiring efficient products.

- The Specifications basically bin products based on their efficiency level.
- Advanced Specifications identify approximately the top 20% of available products.
- Challenge Specifications set efficiency level beyond what is currently available and challenge manufacturers to meet them.
Today the DOE and CBEA are launching **four new Advanced Technology Specifications**.

- Low-voltage Distribution Transformer
- Gas Heater
- Commercial Water Heater
- Laboratory Fume Hood

Other available CBEA specifications include:

- Rooftop Cooling Units
- Parking Lot Lights
- Parking Garage Lights
- Refrigerated Display Case Lights
- Troffer Lights
Technology specification development is a highly collaborative process, driven by CBEA members and manufacturers.

**Technology Specification Development Process**

1. **Step 1:** Technology Selection criteria
2. **Step 2:** Market Characterization
3. **Step 3:** Determination of Efficiency Level
4. **Step 4:** Draft Specification
5. **Step 5:** Develop Additional Resources
Let’s take a look at what this process produced.
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There are several next steps based on your interested level of effort and where you are in the purchase process.

- **Review** the specification and other resources
- **Purchase** a product that meets the specification
- **Participate** in field demonstrations
Demonstrations

The DOE is currently doing demonstrations and is looking for partners interested in participating.

**Manufacturer:** We are looking for manufacturers who have products that meet these specifications and would be interested in providing a product for use in the demonstration.

**Site host:** We are looking for CBEA member or other organization that is interested in installing one of these products. The site host would receive the product free of charge, but would need to allow evaluators to conduct pre- and post-installation measurements on-site and participate in interviews.

If you’re interested please reach out to [CBEA@ee.doe.gov](mailto:CBEA@ee.doe.gov) for more information.
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Thank you!!

Kristen Taddonio  
kristen.taddonio@ee.doe.gov  
(202) 973-2478

Ed Barbour  
edward.barbour@navigant.com  
(202) 973-2478