



Better Buildings Overview and Opportunities
Kristen Taddonio, U.S. Department of Energy



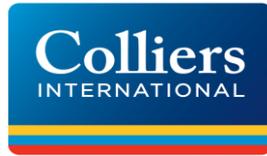
Welcome



A special thank you to our Better Buildings Alliance

Steering Committee members and Better Buildings Challenge Partners present

today



GLENBOROUGH



JONES LANG
LASALLE®



KOHL'S



TARGET

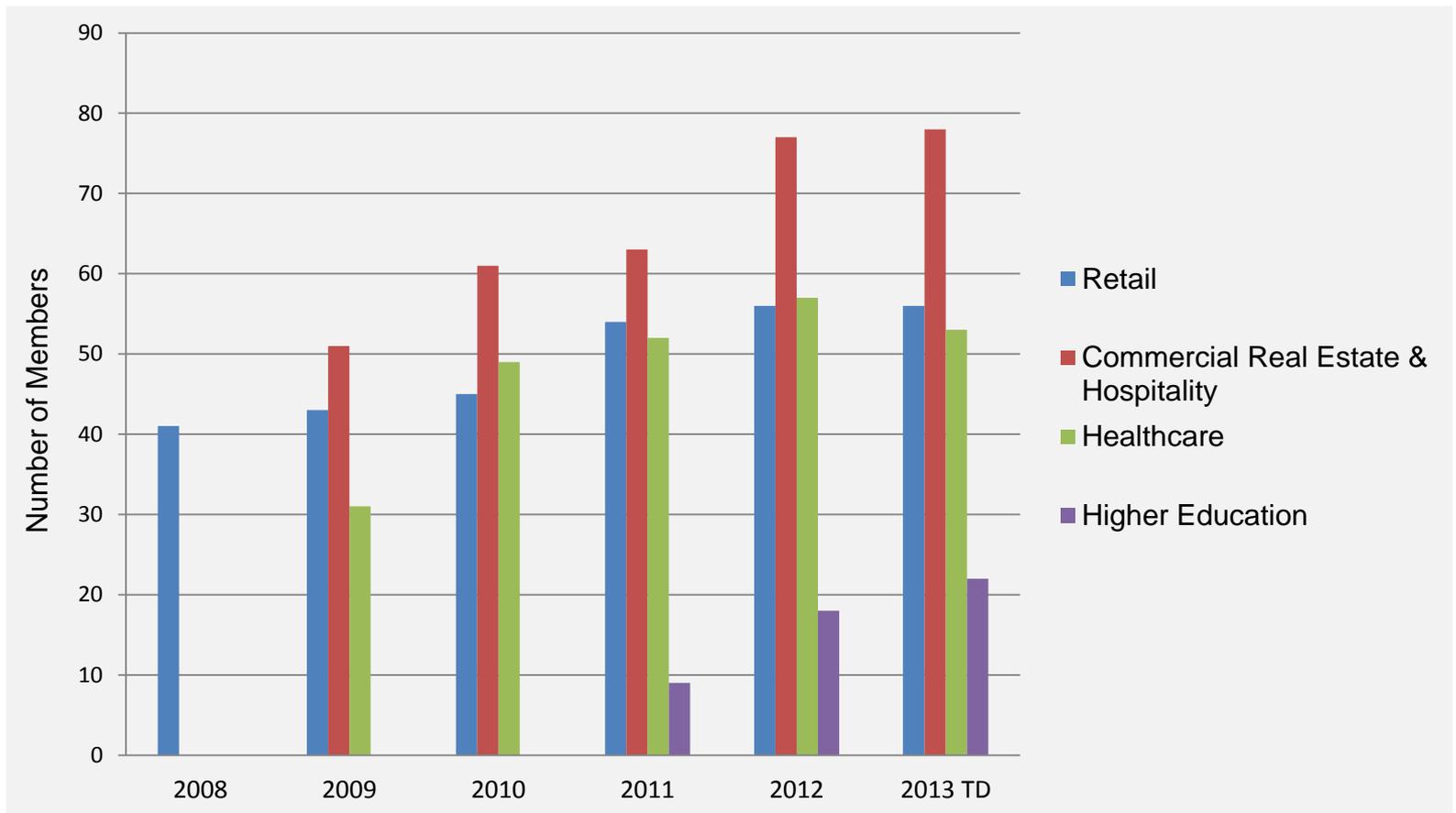


that was easy.®



The State of the Alliance

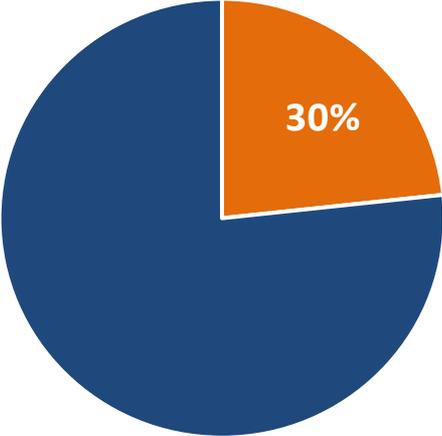
Partnership Growth 2008-2013



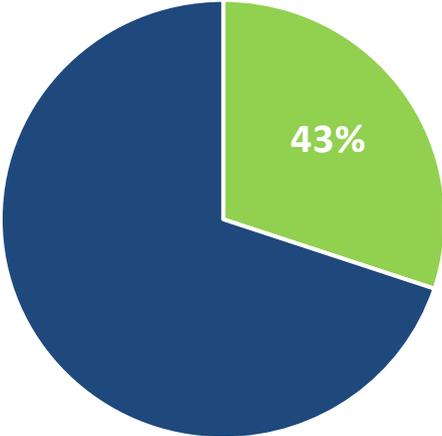
Better Buildings Alliance

Who is Involved?

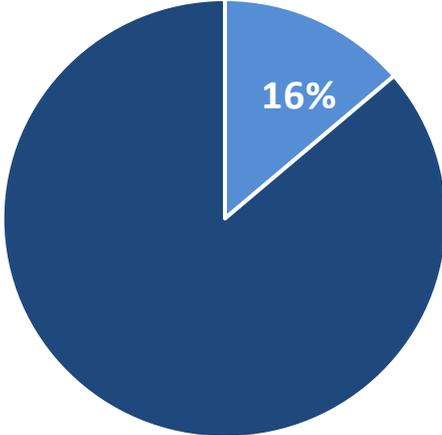
>200 member organizations | >500 individual participants | > 10 billion sq ft



Commercial Real Estate & Hospitality
>75 members
> 8 billion sq ft



Healthcare
> 50 members
Nearly 1 billion sq ft



Retail
> 50 members
> 2 billion sq ft

Higher Ed – 22 members, 200 million + sq ft

Public – XX members, YYY million + sq ft

Better Buildings Alliance

How is it Organized?



Commercial
Real Estate

Food
Service

Grocery

Healthcare

Hospitality

Higher
Education

Retail

Public
Buildings

Technology Solutions



Lighting



Space
Conditioning



Plug & Process
Loads



Laboratories



Refrigeration
Food Service Tech



Energy Information
Systems

Market Solutions



Financing
Strategies



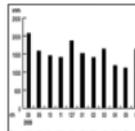
Leasing and Tenant
Engagement



Training / Workforce



Appraisals and
Valuation

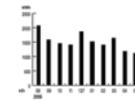


Data Access

Public Sector Solutions



Financing
Strategies



Data
Management



Strategic Energy
Planning



Energy Savings
Performance
Contracts

Reliable Resources, Real Results



Guide for the Retrofitting of Open Refrigerated Display Cases with Doors

November 2012

Prepared for:
Commercial Building Energy
Alliances
Building Technologies Program
Office of Energy Efficiency and
Renewable Energy
U.S. Department of Energy

Prepared by:
Navigant Consulting, Inc.



Photo Courtesy of REMIS America, LLC

Lighting Energy Efficiency Parking Campaign

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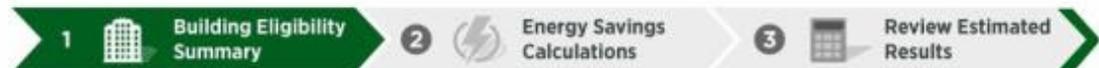
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179D DOE Calculator

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BUILDING ELIGIBILITY SUMMARY

Enter Building and Location Details

The following fields are required.

The following fields are optional. If provided, they will be printed on the results report.

Building Type*

Zip Code*

Building Gross Area* ft² ?

Building Name

Building Owner

Building Address (Street, City, State)

Number of Floors: 1

[View More Building Details](#)

Determine Eligibility to use 179D DOE Calculator



SAVE ENERGY. BE SAFE.

SHUT THE SASH

If left **open**, your fume hood uses as much energy as **3.5 houses** and emits as much **CO₂** as **3 cars!***



*Lawrence Berkeley National Laboratory, EPA

COMPETITION:
 Shut your sash this March and help Tan Hall win a **fruit, cheese, and wine party**
 The floor with the lowest average sash height and width opening will win a special prize (and the glory)!

Other ways to save energy in the lab:

1. Turn off lights that aren't being used.
2. Hibernate your computer when not in use.
3. Clear the space around and on top of your freezers and refrigerators to keep them cool.
4. Periodically defrost refrigerators.
5. Take the stairs instead of the elevator!

JUST SHUT IT!
 Shutting your sash is like taking one car off the road.

Source: Mills, E. and D. Sartor, 2004. Energy use and savings potential for laboratory fume hoods. Energy 30: 1859-1864

green campus
 AN ALLIANCE TO SAVE ENERGY PROGRAM
 EMPOWERING TOMORROW'S ENERGY EFFICIENCY LEADERS

JUST SHUT IT!
 stamps = raffle tickets for prizes

Fume Hood Number

Date Issued

Activities

[Technology Solutions Teams](#)[Public Sector Teams](#)[Market Solutions Teams](#)[Financing](#)[Leasing & Split Incentive](#)[Data Access](#)[Workforce Development](#)[Appraisals & Valuation](#)

Financing

A major barrier to implementing energy-saving measures in the commercial buildings market is access to low-cost, third-party capital to help offset high up-front costs. Members of the financing team are working to identify and develop resources to help commercial building owners and operators overcome this. Where existing solutions are available, the team works with members to share information and to connect them to resources.

[Contact us](#) to join the Financing team or for additional information.

Take Action

Activities

[Overcome first cost](#)[Overcome lender restrictions](#)[Overcome short payback requirements](#)[Overcome complicated/unavailable incentives](#)[Overcome cost pass-through resistance](#)[Work with Better Buildings Challenge financial allies](#)

Better Buildings Challenge Showcase



View of Renovated Lobby

MOSCONE CONVENTION CENTER Showcase Project: Jones Lang LaSalle

LOCATION
San Francisco, CA

PROJECT SIZE
1.2 Million Square Feet

FINANCIAL OVERVIEW
Project Cost \$2.4 Million

Annual Energy Use (Source EUI)



Expected Energy Savings: **30%**

Annual Energy Cost



Expected Savings: **\$624,000**



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Highlights



**Better Buildings Challenge:
Progress Update - Spring 2013**



**Partner Solutions:
Implementation Models**



**Partner Progress Against
Energy Performance Goals**



**Demonstrating Results:
Showcase Projects**

3 Pillars of the Challenge

Energy Use
Data



Showcase
Project



Implementation
Model



Image Credit: monstermarketplace.com

469,390,940

Showcase Projects



Implementation Models



ORGANIZATION TYPE

Commercial Real Estate, Property Management

BARRIER

Lack of advanced benchmarking system, procedures to identify cost-effective opportunities, and methods to rate and track performance in energy efficiency and sustainability

SOLUTION

Good, Better...BEST Standards of Sustainability

OUTCOME

Able to identify individual buildings that excel in energy efficiency and sustainability, assist properties to achieve goals and promote continuous improvements at Transwestern-managed properties

We can't find the money!

Try a creating a
Facility
Infrastructure Pool.

Every building we own
is doing energy
efficiency differently.

We created a
corporate Energy
Team, then drafted
Energy Action Plans.

Our Finance
Department just
doesn't understand.

Try adding a Finance
person to the Energy
Team!



Image Credit: bullhornmegaphone.info

