

U.S. DEPARTMENT OF
ENERGY

Office of
**ENERGY EFFICIENCY &
RENEWABLE ENERGY**

CBI Partnerships Part 1

Partnering for Energy Efficiency

CBI Partnership Portfolio

U.S. Department of Energy Building Technologies Office Peer Review

April 15-17, 2019



CBI Partnership Portfolio Review

Objective:

To receive feedback on existing objective-based partnership strategies and examples. We will incorporate real-time engagement/sharing methods throughout the track and wrap-up with a facilitated discussion designed to bring out other impactful methods for engagement.

Structure:

Present a strategic overview of key partnership themes with example activities and projects that showcase implementation and outcomes.

- Part 1: What are CBI's partnership objectives?
 - Part 2: Three key themes and examples of activities we support to meet those objectives
 - Part 3: Audience-based facilitated discussion to accept feedback on current objectives/examples and methods to achieve our objectives.
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- Walking the Talk: Rapid Fire Introductions and Quick Perspective Check-in
 - Facilitated Strategic Discussion and Feedback

CBI Partnership Track Agenda Review

Session	Presenter	Project #s
PART 1: Strategic Partnership Introduction		
Overview and Discussion of Definition, Structure, Objectives and Fit within CBI.		
PART 2: Partnership – Objective-based Themes and Examples		
Gaining Industry Perspective	Cindy Zhu	2.2.2.91
	Cedar Blazek	2.2.2.92
		2.2.2.93
	Reviewer Q&A	2.2.2.94
		2.4.1.88
		2.5.3.42
<i>Roundtable Rapid Fire Introductions and Initial Q&A</i>		
BREAK		
Develop and Disseminate Technical Analyses	Sarah Zaleski	1.4.2.2
	Jeremy Williams	7.1.1.20
	Andrew Burr	2.4.1.50
	Reviewer Q&A	
BREAK		
<i>Interactive Discussion on Audience Perspective and Questions</i>		
Identify and Recognize Market Leaders	Amy Jiron	2.2.2.95
	Nate Allen	2.5.2.04
		2.5.3.40
	Reviewer Q&A	2.2.2.30

CBI Partnership Portfolio Review

How does CBI define partnership?

Structured engagement with public and private organizations to **identify and address market-based barriers, opportunities and challenges** resulting in the accelerated adoption of energy efficient technologies and practices.

What is the objective of our partnership work?

US organizations save energy and money – helps us and partners reach our collective energy goals.



Better Buildings

Critical to our partnership portfolio.

Better Buildings Initiative

Summary

The Better Buildings Initiative is a partnership platform created in 2011 to attract and establish close, trusted relationships with key market leaders and encourage private sector investment into energy efficient technologies, with a goal of making the US buildings stock 20% more efficient over the next 10 years. The BBI partnership platform has goals to work with market leaders to publish replicable strategies and make energy efficiency investment easier through information sharing.

Example: Better Buildings Challenge (BBC)

- 900+ BB partners to date, **covering 4.4B square footage of building/manufacturing space** have saved 380 BTU of energy and \$3.1B of utility cost savings
- Better Buildings partners represent 13% of the US commercial floor space and 12% of US manufacturing energy footprint
- BB partners have published over 1500 energy solutions through the program

Key Partners

- Building and Manufacturing Portfolio Owners/Operators
- National Labs
- DOE Agencies – WIP, FEMP, AMO
- Federal Agencies – HUD, EPA


Better Buildings Initiative



Developing Innovative, Replicable Solutions with Market Leaders

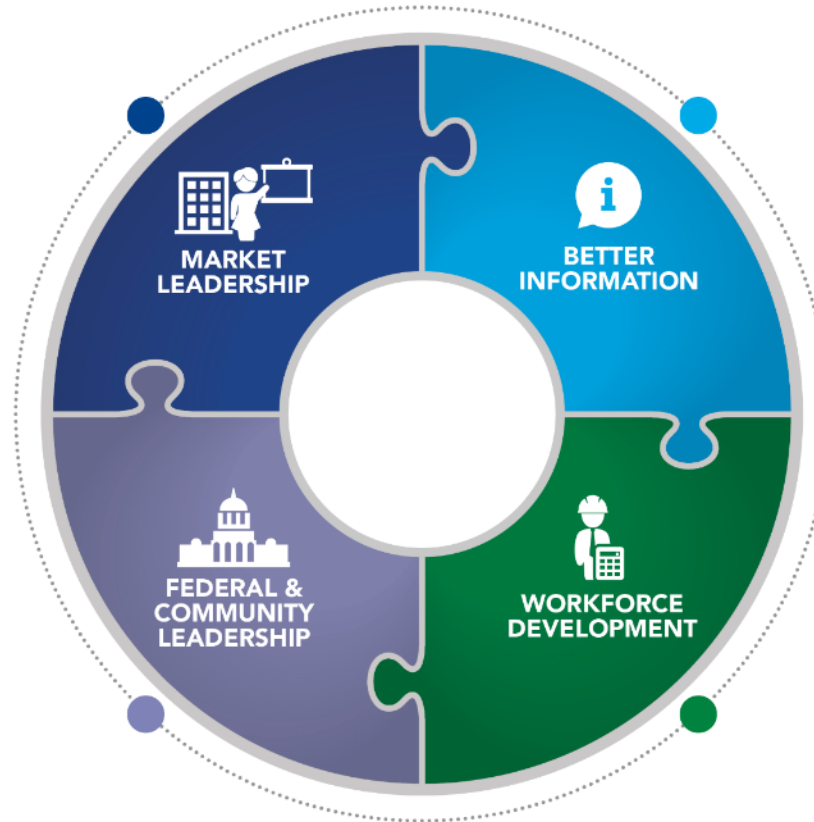
- ▶ Better Buildings Challenge
- ▶ Better Buildings Alliance

- ▶ Better Buildings, Better Plants
- ▶ Better Buildings Accelerators
- ▶ Better Buildings Residential
- ▶ Strategic Energy Management



State, Local, and Federal Governments Leading by Example

- ▶ State and Local Engagement
- ▶ Performance Contracting



Making Energy Efficiency Investment Easier

- ▶ Better Buildings Solution Center
- ▶ Financing Navigator

- ▶ Improved Data Consistency and Access
- ▶ Better Buildings Energy Asset Score
- ▶ Home Energy Score
- ▶ Tools for Industrial Energy Management



Expanding the Workforce

- ▶ Better Buildings Workforce Guidelines
- ▶ Industrial Energy Management Workforce

Better Buildings Challenge (BBC) Partners are...



BBC Results to Date

\$3.1 Billion saved

\$12 Billion in financing committed

380 Trillion BTUs of energy saved

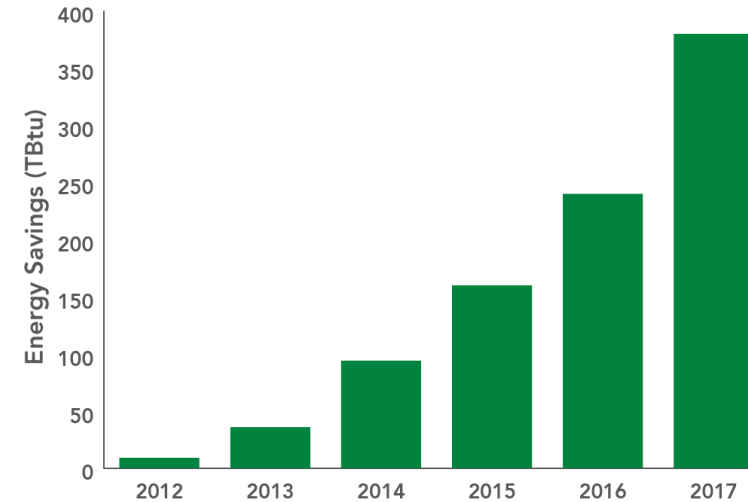
4.4 Billion square footage covered

6 Billion gallons in water saved

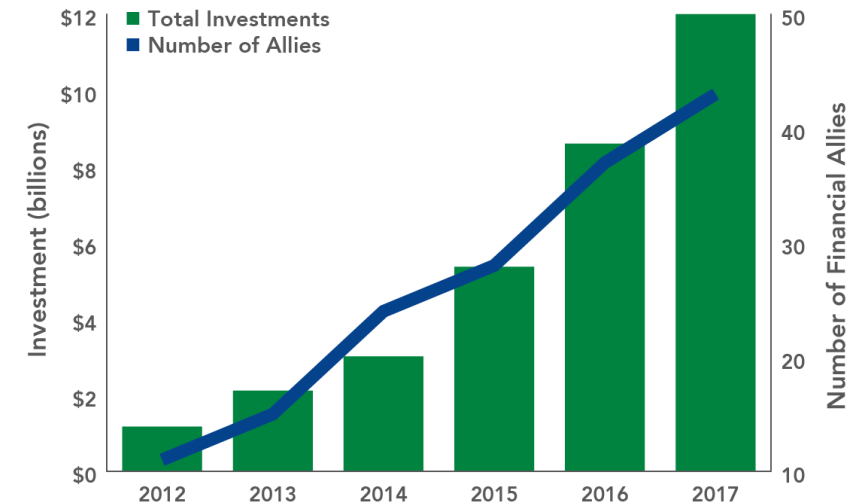
900+ Better Buildings Partners

1,500+ solutions published

Cumulative Energy Savings



Total Investment and Ally Growth by Year



Better Buildings Alliance (BBA)



Commercial & Multifamily Real Estate



Food Service, Retail, and Grocery



Healthcare



Hospitality



Higher Education

MARKET SOLUTIONS TEAMS



Energy Efficiency Project Financing



Leasing and Tenant Energy Efficiency



Energy Data Access



High Performance Property Valuation and Mortgages



Workforce Training

TECHNOLOGY SOLUTIONS TEAMS



Lighting & Electrical



Space Conditioning



Plug & Process Loads



Refrigeration



Energy Management Information Systems



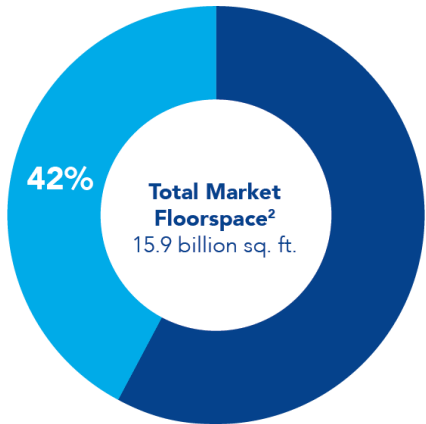
Renewables Integration



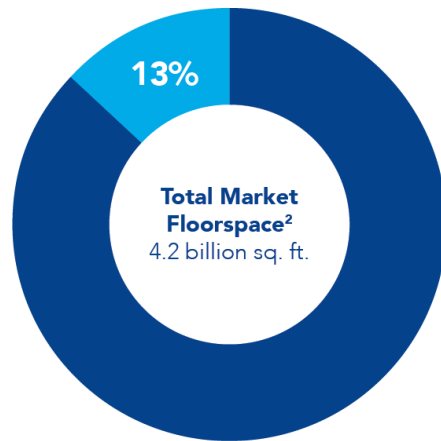
Building Envelope

BBA: Who is Involved?

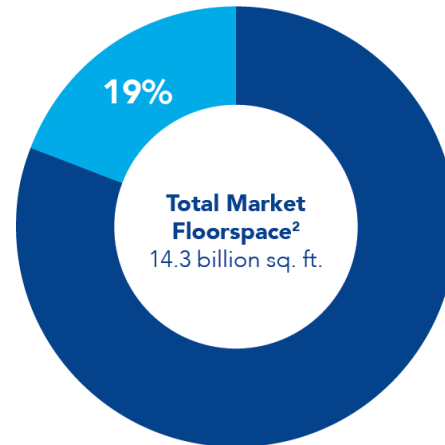
>200 member organizations | >500 individual participants | 11 billion sq. ft.



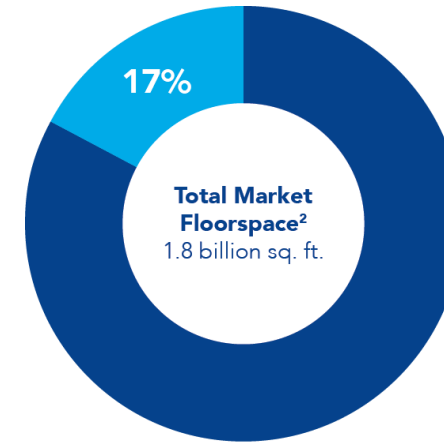
Commercial Real Estate Partner Floorspace
6.6 billion sq. ft.



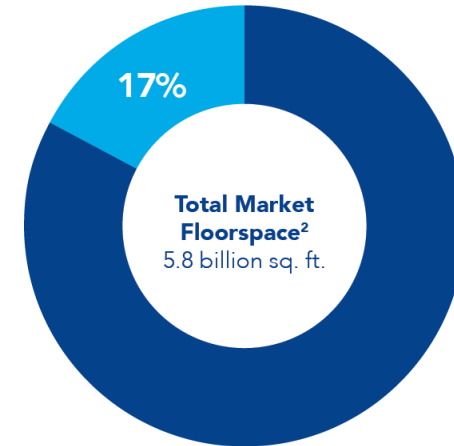
Healthcare Partner Floorspace
.56 billion sq. ft.



Retail, Food Service & Grocery Partner Floorspace
2.7 billion sq. ft.

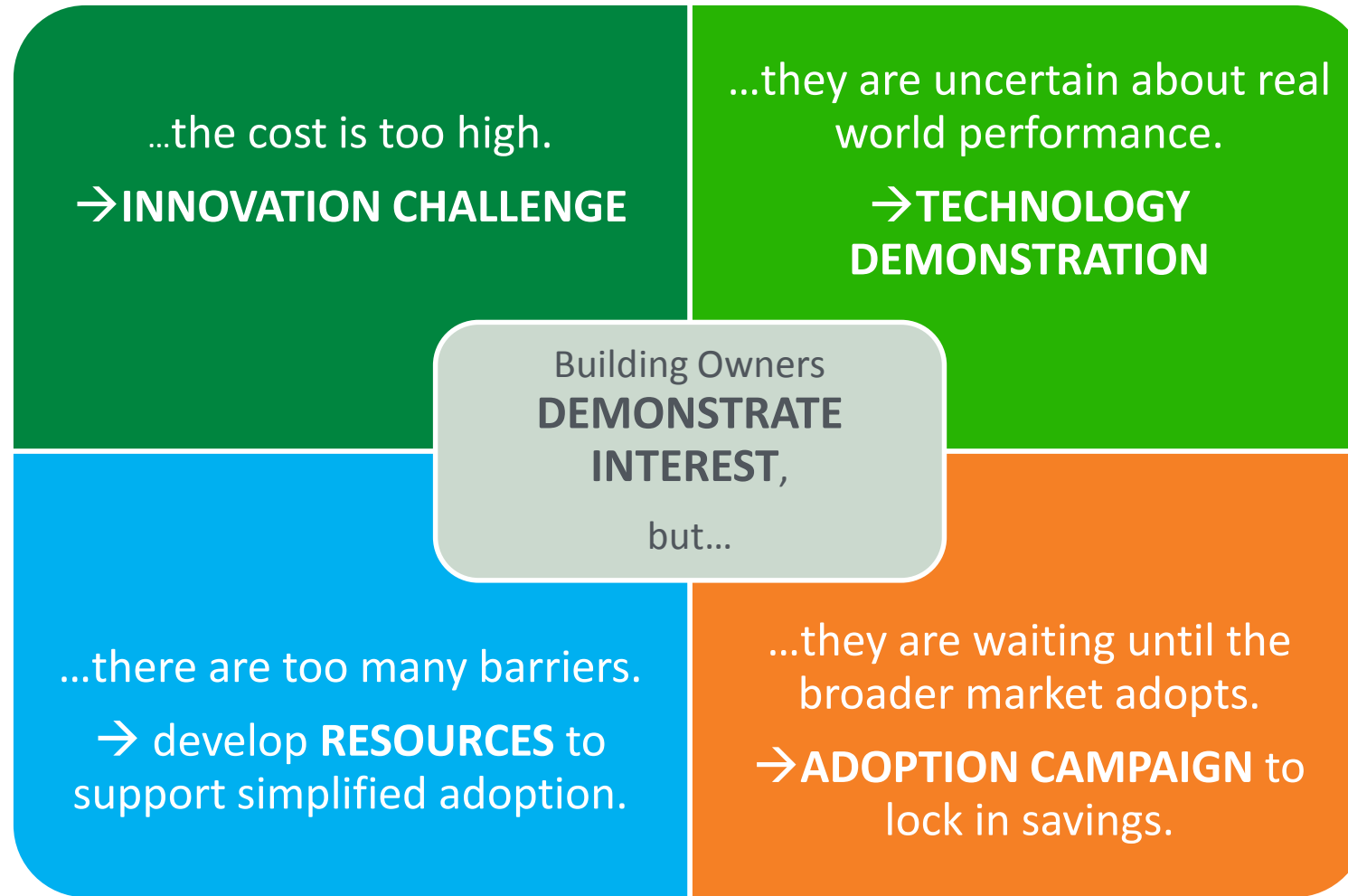


Higher Education Partner Floorspace
.3 billion sq. ft.



Hospitality Partner Floorspace
1 billion sq. ft.

Connecting the Market with Solutions



Part 2: Objective-based Themes and Examples

By TEAM CBI
with Marina Sofos (Facilitator)