



Better Buildings Workforce Guidelines

2017 Building Energy Codes
Advocates Meeting

Nov. 28, 2017



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

- ▶ Better Communities Alliance
- ▶ Performance Contracting



Making Energy Efficiency Investment Easier

- ▶ Better Buildings Solution Center
- ▶ Financing Navigator
- ▶ Improved Data Consistency and Access
- ▶ Tools to Assess the Efficiency of Buildings/Homes
- ▶ Tools for Energy Management



Expanding the Workforce

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

Better Buildings Program

\$1.9 Billion saved

\$7 Billion in financing committed

240 Trillion BTUs of energy saved

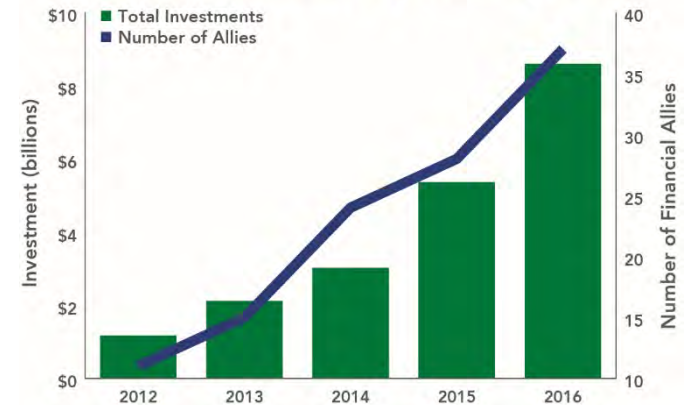
4.4 Billion square footage covered

4 Billion gallons in water saved

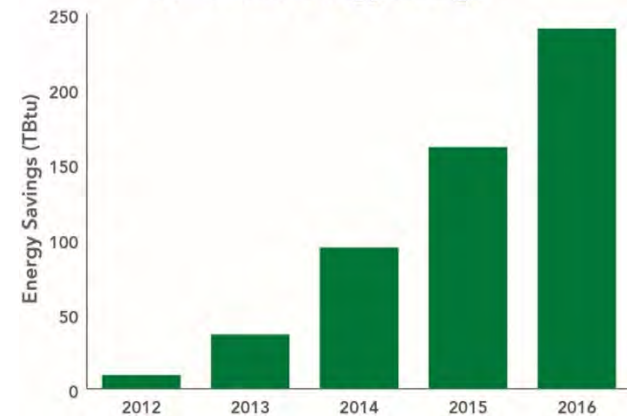
900+ Better Buildings Partners

1000+ solutions published

Total Investment and Ally Growth by Year



Cumulative Energy Savings



Better Buildings Program



AFL-CIO



Deutsche Asset Management



DIGITAL REALTY Data Center Solutions



Workforce Barriers

1) The Market has Trouble Understanding What Credentials Mean

- Many certificate and certification programs exist, but customers have difficulty identifying quality workers and comparing credentials

2) Lack of Consistency in Skill Sets for EE Workers

- Identifying and organizing knowledge and calibrating training programs will better prepare the EE workforce

3) Lack of Consistency in Credentialing Processes

- Better processes should lead to higher quality credentials and give more confidence to the market

Creating BBWG

Define Skills

Voluntary, national workforce guidelines defined by industry and government

Verify

Third-party accreditation of certification or training programs

Recognize

DOE recognition of accredited programs = consumer trust in program quality and workforce performance



RECOGNIZED PROGRAM

MEETS U.S. DEPARTMENT
OF ENERGY GUIDELINES

Creating BBWG



Commercial Workforce Credentialing Council

a council of the National Institute of Building Sciences



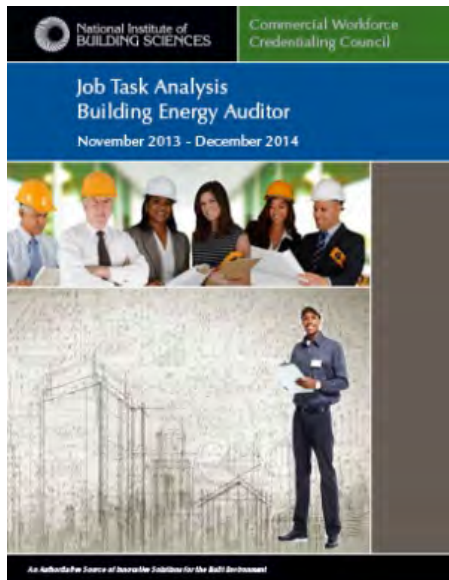
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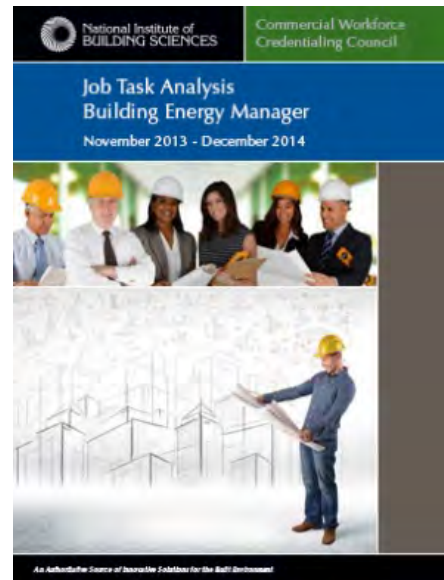
Creating BBWG – JTAs and Consistency



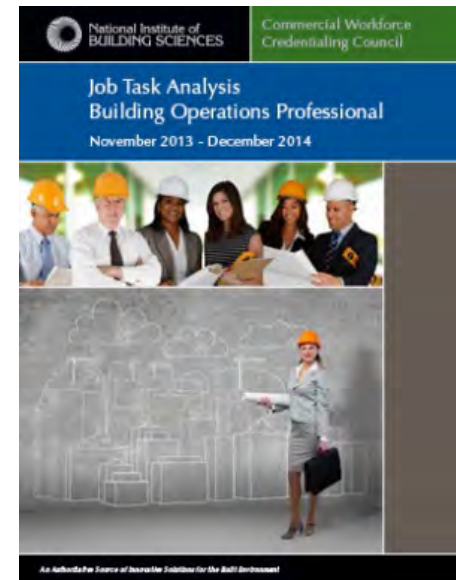
Building Energy Auditor



Building Commissioning Professional

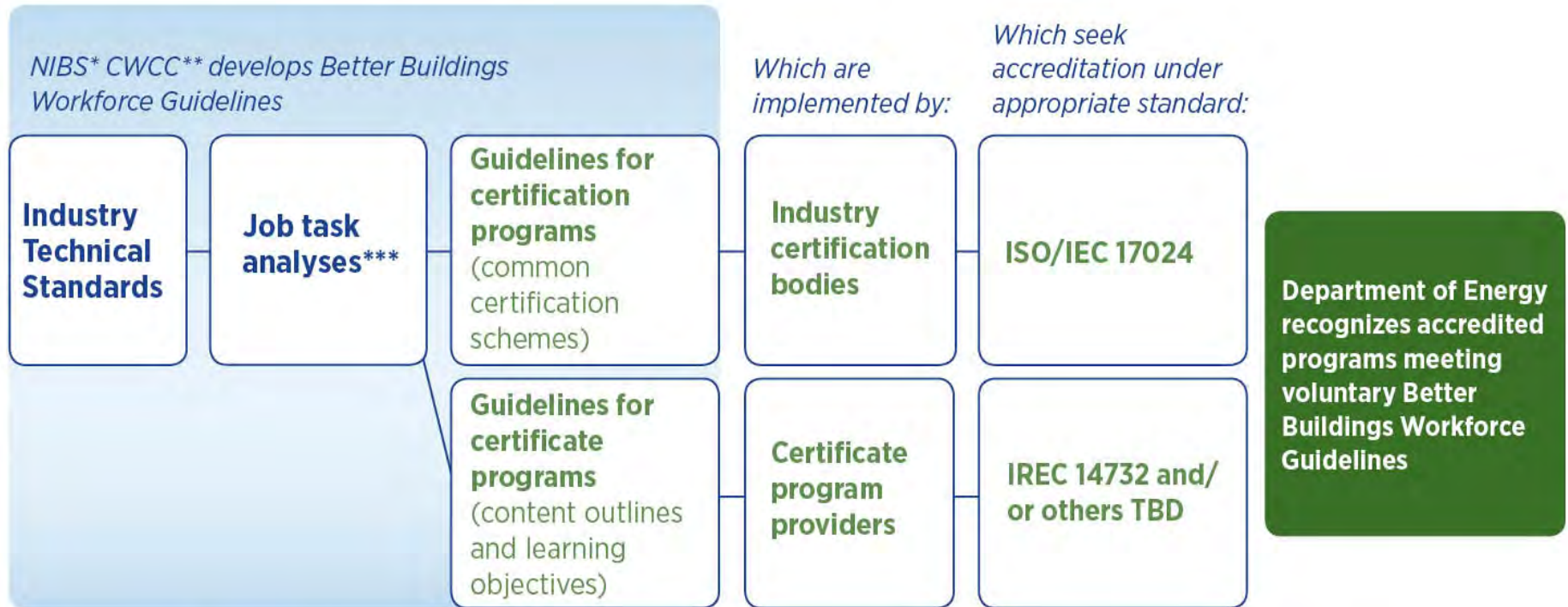


Building Energy Manager



Building Operations Professional

Creating BBWG - Process







*National Institute of Building Sciences

**Commercial Workforce Credentialing Council

*** Building Energy Auditor; Building Commissioning Professional; Energy Manager; Building Operations Professional; Facility Manager (Government and FBPTA focus)

BBWG Recognized Programs

	Building Energy Auditor	Building Cx Professional	Building Energy Manager	Building Operations Professional
	Certified Building Energy Assessment Professional (BEAP)	Certified Building Commissioning Professional (BCxP)		
	Certified Energy Auditor (CEA)		Certified Energy Manager (CEM)	
		Certified Commissioning Authority (CxA)		
		Certified Commissioning Professional (CCP)		

Promoting BBWG

1) Federal Government Adoption

- Working with GSA to incorporate BBWG into Federal Buildings Personnel Training Act for federal and contractor energy managers, building operators, and commissioning agents

2) Community College Training Programs

- Working with community colleges to develop training curriculum using BBWG course outlines and learning objectives that lead to accredited certificates

3) Local Government Adoption in EE Policy

- Working with city governments to incorporate DOE-recognized credentials in audit, retro commissioning, and other EE policies

4) Leadership Campaign

- Developing campaign to recognize real estate companies, state and local governments, financial institutions, and utilities that reference BBWG

Contact

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