

Federal Buildings Personnel Training Act A Guide for Federal Employees, Education Providers, and Commercial Contractors

Brian Gilligan, PE – National Sustainability Program Manager
GSA, Office of Federal High Performance Green Buildings

Maureen K. Roskoski, SFP, LEED AP O+M, Senior Professional
Facility Engineering Associates



- **What is the FBPTA and Who Does it Affect?**
- Competency Overview
- Implementation of the FBPTA
- Mapping Courses and Certifications to the FBPTA
- Future Implications



What is the FBPTA Program?

- Core Competencies for Federal buildings Personnel
- Recommended Curriculum and Continuing Education
- Annual updates to Competencies and Curriculum
- Compliance by all Federal buildings personnel
- Method for contractor compliance



Which agencies are involved?

<u>Agency</u>	<u>FRPP Total SF</u>	<u>FRPP Total O&M Cost</u>
Department of Defense	2,130,004,000	\$14,628,672,000
General Services Administration	419,664,000	\$6,306,664,000
Veterans Affairs	154,616,000	\$1,018,566,000
Energy	129,000,000	\$2,144,370,000
Interior	104,158,000	\$1,418,388,000
State	74,074,000	\$1,095,874,000
Justice - JMD	70,401,000	\$614,316,000
Agriculture	58,780,000	\$889,943,000
Homeland Security	48,609,000	\$458,923,000
NASA	45,786,000	\$561,735,000
Health and Human Services	36,142,000	\$515,894,000
Transportation	28,050,000	\$430,856,000
Tennessee Valley Authority	26,939,000	\$77,329,000
Labor	25,228,000	\$127,580,000
Smithsonian	12,053,000	\$256,411,000
Commerce	7,850,000	\$91,796,000
Treasury	6,128,000	\$139,717,000
National Archives and Records Administration	5,270,000	\$54,296,000
State (USAID)	5,227,000	\$74,932,000
Environmental Protection Agency	4,293,000	\$55,388,000
National Science Foundation	2,369,000	\$34,552,000
	3,394,641,000	\$ 30,996,202,000



Who does the FBPTA affect?

**~50,000 Government; Contractors
Military, GS-8XX, 11XX, 16XX, other**

**Facility
Management**

**Energy
Management**

**Facility
Operators**

Design
*Facility / Energy
Management*

Safety
*Facility / Energy
Management*



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Overview of the FBPTA competencies

FBPTA Competency Model															
Comp Areas (12)	Core Competencies (43)	Facility Mgt	Energy Mgt	Building Ops	Comp Areas (12)	Core Competencies (43)	Facility Mgt	Energy Mgt	Building Ops	Comp Areas (12)	Core Competencies (43)	Facility Mgt	Energy Mgt	Building Ops	
1. Management of Facilities Operations & Maintenance					5. Safety					10. Business, Budget and Contracting					
	Building Systems					Basic Requirements					Total Cost of Ownership				
	Building Interior					Infrastructure					Life Cycle Assessment				
	Building Exterior					Contractor Program Oversight					Contracting				
	Other Facility Systems					Occupant Interface					Budget Formulation and Execution				
2. Performance of Facilities Operations & Maintenance					6. Design					11. Leadership and Innovation					
	HVAC Systems					Planning					Communication				
	Electrical / Mechanical Systems					Infrastructure					Personnel				
	Life Safety Systems				7. Sustainability						Innovation				
	General Building Maintenance					Regulations and Requirements					Enterprise Knowledge				
	Best Practices & Innovation					Implementation				12. Performance Measures					
3. Technology					8. Water Efficiency					FBPTA					
	Technology Solutions					Regulations, Goals and Best Practices					Acquiring Data				
	Building Automation Systems					Water Audits					Establishment and Implementation				
	Maintenance Management Systems				9. Project Management					Legend					
4. Energy Management						Initiate						Primary responsibility, needs depth of knowledge			
	Demand Reduction					Execute						Not primary, but needs general familiarity			
	Assess Initial Conditions					Closeout						Significant "Federally-Specific" content			
	Commissioning and ESPC					Training						High-priority/high-value, impacts cost / efficiency			
	Coordinate with Public Utilities														
	Planning, and Project Management														

Go to: www.fmi.gov for more detail



Competency Areas

				Facility Mgt	Energy Mgt	Building Ops
1. Management of Facilities Operations & Maintenance						
	Building Systems					
	Building Interior					
	Building Exterior					
	Other Facility Systems					



Competency Areas

				Facility Mgt	Energy Mgt	Building Ops
2. Performance of Facilities Operations & Maintenance						
	HVAC Systems					
	Electrical / Mechanical Systems					
	Life Safety Systems					
	General Building Maintenance					
	Best Practices & Innovation					



Competency Areas

				Facility Mgt	Energy Mgt	Building Ops
3. Technology						
	Technology Solutions					
	Building Automation Systems					
	Maintenance Management Systems					



Competency Areas

				Facility Mgt	Energy Mgt	Building Ops
4. Energy Management						
	Demand Reduction					
	Assess Initial Conditions					
	Commissioning and ESPC					
	Coordinate with Public Utilities					
	Planning, and Project Management					



Competency Areas

				Facility Mgt	Energy Mgt	Building Ops
5. Safety						
	Basic Requirements					
	Infrastructure					
	Contractor Program Oversight					
	Occupant Interface					



Competency Areas

				Facility Mgt	Energy Mgt	Building Ops
6. Design						
	Planning					
	Infrastructure					



Competency Areas

				Facility Mgt	Energy Mgt	Building Ops
7. Sustainability						
	Regulations and Requirements					
	Implementation					



Competency Areas

				Facility Mgt	Energy Mgt	Building Ops
8. Water Efficiency						
	Regulations, Goals and Best Practices					
	Water Audits					



Competency Areas

				Facility Mgt	Energy Mgt	Building Ops
9. Project Management						
	Initiate					
	Execute					
	Closeout					
	Training					



Competency Areas

				Facility Mgt	Energy Mgt	Building Ops
10. Business, Budget and Contracting						
	Total Cost of Ownership					
	Life Cycle Assessment					
	Contracting					
	Budget Formulation and Execution					



Competency Areas

		Facility Mgt	Energy Mgt	Building Ops
11. Leadership and Innovation				
	Communication			
	Personnel			
	Innovation			
	Enterprise Knowledge			



Competency Areas

				Facility Mgt	Energy Mgt	Building Ops
12. Performance Measures						
	FBPTA					
	Acquiring Data					
	Establishment and Implementation					



Outline

- What is the FBPTA and Who Does it Affect?
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- **Implementation of the FBPTA**
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Who implements the FBPTA in Government?

Facility Management Institute

www.fmi.gov

- Maintain the FBPTA Competencies and Curriculum
- Provide technical assistance to agencies

Agency Human Resources

- Update position requirements
- Address Collective Bargaining Units

Agency Practitioners

- Assess skills of personnel
- Identify / execute training priorities



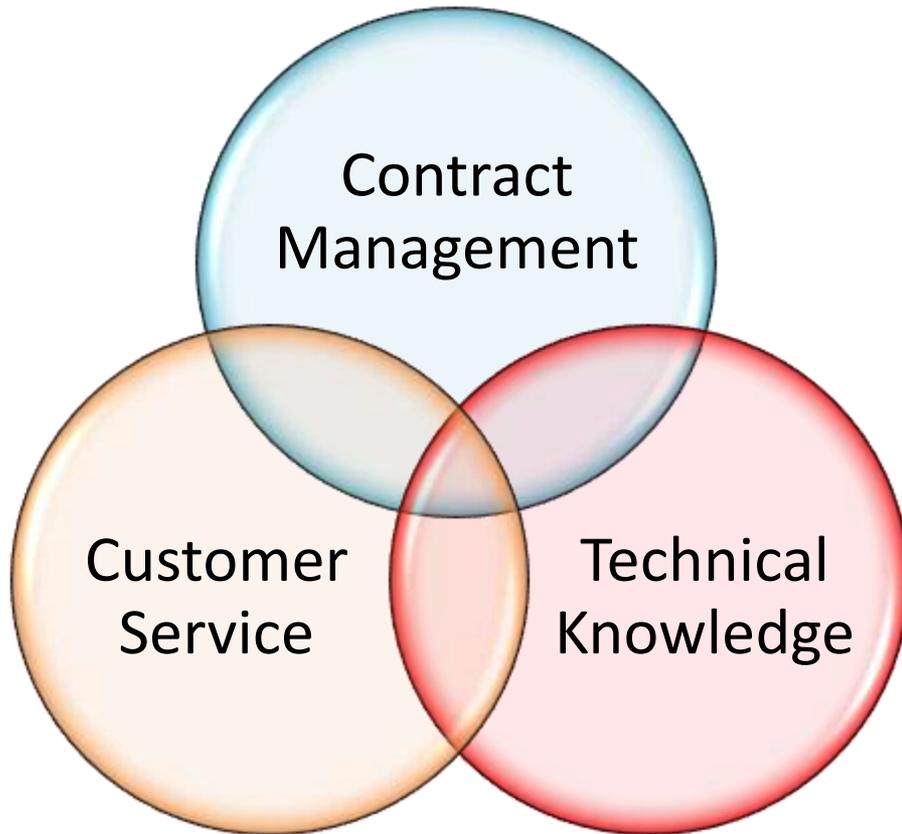
Designing "coverage"

FBPTA Competency Model														
Comp Areas (12)	Core Competencies (43)	Facility Mgt	Energy Mgt	Building Ops	Comp Areas (12)	Core Competencies (43)	Facility Mgt	Energy Mgt	Building Ops	Comp Areas (12)	Core Competencies (43)	Facility Mgt	Energy Mgt	Building Ops
1. Management of Facilities Operations & Maintenance					5. Safety					10. Business, Budget and Contracting				
	Building Systems					Basic Requirements					Total Cost of Ownership	?		
	Building Interior					Infrastructure					Life Cycle Assessment			
	Building Exterior					Contractor Program Oversight					Contracting			
	Other Facility Systems					Occupant Interface					Budget Formulation and Execution			
2. Performance of Facilities Operations & Maintenance					6. Design					11. Leadership and Innovation				
	HVAC Systems	?				Planning	?				Communication			
	Electrical / Mechanical Systems					Infrastructure					Personnel			
	Life Safety Systems					Regulations and Requirements					Innovation			
	General Building Maintenance					Implementation	?				Enterprise Knowledge			
	Best Practices & Innovation													
3. Technology					7. Sustainability					12. Performance Measures				
	Technology Solutions					Regulations, Goals and Best Practices					FBPTA			
	Building Automation Systems					Water Audits					Acquiring Data			
	Maintenance Management Systems	?									Establishment and Implementation			
4. Energy Management					8. Water Efficiency					9. Project Management				
	Demand Reduction					Initiate								
	Assess Initial Conditions					Execute								
	Commissioning and ESPC					Closeout								
	Coordinate with Public Utilities					Training								
	Planning, and Project Management													

Legend

- Primary responsibility, needs depth of knowledge
- Not primary, but needs general familiarity
- Significant "Federally-Specific" content
- High-priority/high-value, impacts cost / efficiency





GSA's Property manager position needed more emphasis on technical knowledge:

- Operate & maintain HVAC systems
- Technology - BAS, CMMS
- Demand reduction strategies
- Design "Infrastructure"
- Managing sustainability programs
- Life cycle cost analysis (LCCA)



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FMI / FEA's process to review training

Step 1

- Propose training resource or credential

Step 2

- Provider prepares [Form](#), and submits to AskFMI@gsa.gov

Step 3

- FEA reviews, seeks input, and provides an evaluation

Step 4

- Final evaluation is posted on FMI for comment

Step 5

- Update Curriculum and Skills Assessment Tool





Prepare the form – Select the right Tab

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	FORM FOR SUBMISSION OF TRAINING RESOURCE TO FULFILL FEDERAL BUILDING PERSONNEL TRAINING ACT (FBPTA) CORE COMPETENCIES (March 2013) The FBPTA requires Federal building personnel to demonstrate compliance with a set of Core Competencies. The General Services Administration (GSA) accepts submissions for courses, certificates, certifications, accreditations, registrations, licenses, and other qualifications that demonstrate alignment with the FBPTA Core Competencies. GSA will post resources that sufficiently map to FBPTA Core Competency requirements on the FMI webpage (www.fmi.gov) and may incorporate them into the Core Competency Web Tool. The Web Tool allows Federal buildings personnel to immediately claim credit for competencies met by completing approved training. FMI and the Core Competency Web Tool help Federal employees identify appropriate training, and allow Federal agencies to share information on training sources. To qualify for consideration, complete this form describing how a specific training resource, certification / accreditation, license or other resource aligns with FBPTA core competencies. Submit completed forms or any questions on how to complete the form to AskFMI@gsa.gov . You will be notified upon receipt of the form and again upon completion of review by GSA. Please complete and provide one form for each training and/or testing resource being submitted for consideration.												
2	Alignment of Competency with Functional Roles												
3		Often Aligned with Facility Management roles (24/43 Core Competencies)											
4		Often Aligned with Building Operations Professional roles (6/43 Core Competencies)											
5		Often Aligned with Energy Management Role (7/43 Core Competencies)											
6		Often Aligned with more than one role (6/43 Core Competencies)											
7													
8	1. Please complete the following for <u>each training course</u> being submitted for consideration:												
9	Training provider:												
10	Provider address information (primary physical location, including address, city, state, zip code):												
11	Provider's primary point of contact for this learning resource (name, primary physical location (if different from provider address information), phone, and email):												
12	Title of this training resource:												
13	Type of training course:												
14	Does this course provide CEUs (Continuing Education Units) and if so, how many and for what occupation or field?												
15	Learning objective(s) associated with this training course:												
16	Delivery method and learning methods (delivery methods may include online instruction, classroom instruction, or other means, and learning methods could include lecture, group work, essay work, quizzes, or other learning activities):												
17	Length of training (in hours):												
18	URL link to information about the training course, content, and/or syllabus:												
19													
20	2. Please identify the course objective(s) that align with required FBPTA performance criteria. Please identify the learning methods in the course that will support that learning objective(s).												
Instructions Form for Courses Form for Certificate Programs Form for Certification-Accredit Form for Registrations Form for License													





Prepare the form – Section 1

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	FORM FOR SUBMISSION OF TRAINING RESOURCE TO FULFILL FEDERAL BUILDING PERSONNEL TRAINING ACT (FBPTA) CORE COMPETENCIES (March 2013)												
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16	Delivery method and learning methods (delivery methods may include online instruction, classroom instruction, or other means, and learning methods could include lecture, group work, essay work, quizzes, or other learning activities):												
17	Length of training (in hours):												
18	URL link to information about the training course, content, and/or syllabus:												
19	2. Please identify the course objective(s) that align with required FBPTA performance criteria. Please identify the learning methods in the course that will support that learning objective(s).												



Prepare the form – Understanding “Roles”

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	FORM FOR SUBMISSION OF TRAINING RESOURCE TO FULFILL FEDERAL BUILDING PERSONNEL TRAINING ACT (FBPTA) CORE COMPETENCIES (March 2013) The FBPTA requires Federal building personnel to demonstrate compliance with a set of Core Competencies. The General Services Administration (GSA) accepts submissions for courses, certificates, certifications, accreditations, registrations, licenses, and other qualifications that demonstrate alignment with the FBPTA Core Competencies. GSA will post resources that sufficiently map to FBPTA Core Competency requirements on the FMI webpage (www.fmi.gov) and may incorporate them into the Core Competency Web Tool. The Web Tool allows Federal buildings personnel to immediately claim credit for competencies met by completing approved training. FMI and the Core Competency Web Tool help Federal employees identify appropriate training, and allow Federal agencies to share information on training sources. To qualify for consideration, complete this form describing how a specific training resource, certification / accreditation, license or other resource aligns with FBPTA core competencies. Submit completed forms or any questions on how to complete the form to AskFMI@gsa.gov . You will be notified upon receipt of the form and again upon completion of review by GSA. Please complete and provide one form for each training and/or testing resource being submitted for consideration.												
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4		Often Aligned with Building Operations Professional roles (6/43 Core Competencies)											
5		Often Aligned with Energy Management Role (7/43 Core Competencies)											
6		Often Aligned with more than one role (6/43 Core Competencies)											
7	1. Please complete the following for each training course being submitted for consideration:												
8	Training provider:												
9													
10	Provider address information (primary physical location, including address, city, state, zip code):												
11	Provider's primary point of contact for this learning resource (name, primary physical location (if different from provider address information), phone, and email):												
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18	URL link to information about the training course, content, and/or syllabus:												
19													
	2. Please identify the course objective(s) that align with required FBPTA performance criteria. Please identify the learning methods in the course that will support that learning objective(s).												





Facility Manager Competencies

1. Management of Facilities O&M

Building Systems (High Priority / High Value)

1. Demonstrate familiarity with Building Systems.

FM

2. Demonstrate ability to work with Facilities team to assess a facility's need for building systems.

FM

3. Demonstrate ability to oversee the acquisition, installation, and operation of building systems.

FM

4. Demonstrate ability to work with Facilities Team to establish practices and procedures.

FM

5. Demonstrate ability to work with Facilities Team to determine and administer the allocation of building systems' resources.

FM

6. Demonstrate ability to monitor and evaluate how well building systems perform.

FM

7. Demonstrate ability to manage corrective, preventive and predictive maintenance.

FM

8. Demonstrate ability to work with Facilities Team to develop emergency procedures for building systems.

FM

9. Demonstrate knowledge of how to implement disaster recovery plans for building systems as required.

FM

2. Performance of Facilities O&M

Operating and Maintaining HVAC Systems *(High Priority / High Value)*

1. Demonstrate ability to collecting Operating Data on system.	FO
2. Demonstrate ability to adjust System Parameters as required.	FO
3. Demonstrate understanding of indoor air quality, and how to test and adjust it.	FO
4. Demonstrate ability to analyze HVAC system performance.	FO
5. Demonstrate ability to coordinate HVAC system changes.	FO
6. Demonstrate knowledge and ability to maintain all HVAC Systems.	FO
7. Demonstrate knowledge and ability to repair all HVAC Systems	FO
8. Demonstrate knowledge and ability to optimize HVAC controls.	FO





Energy Manager

4. Energy Management	<i>Systems and Demand Reduction</i> <i>(High Priority / High Value)</i>	<ol style="list-style-type: none">1. Demonstrate knowledge of building systems and how they affect energy use2. Demonstrate knowledge of Combined Heat and Power (CHP) Systems and distributed generation.3. Demonstrate knowledge of Renewable Energy Systems – Solar (Thermal and Photovoltaic), Wind, Biomass, Hydropower.4. Demonstrate knowledge of Thermal Energy Storage systems – (ex. chilled water storage, ice storage, potential energy storage etc)5. Demonstrate knowledge of Building Automation Systems (BAS) and Control Systems.6. Demonstrate knowledge of Enhanced Automation (EA) - California Energy Commission.7. Demonstrate knowledge of Energy Management Systems (EMS) and Energy Information Systems (EIS).
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All Three Roles

5. Safety	Basic Requirements	1. Complete Department/Agency required Safety training that meets or exceeds the requirements of OSHA, General Industry and/or Construction 10 and 30 hr programs.
		2. Complete Electrical Safety course and be familiar with electrical codes and regulations and best practices.
	Infrastructure	1. Demonstrate knowledge of control systems for: mold, asbestos, Histoplasmosis, PCB in transformers.
		2. Demonstrate knowledge of proper water treatment to prevent Legionnaire's Disease.
		3. Demonstrate knowledge of ventilation systems and prevention of contaminant introduction and cross contamination.
4. Demonstrate knowledge of fire prevention systems in hazardous locations/operations; food preparation areas; electrical transformers.		
5. Demonstrate the ability to manage compliance with NFPA 70E -2012 for determining incident energy and marking the electrical components for the hazard distance and proper arc rated protective equipment		





Prepare the form – Understanding Competency Areas

Competency Area	Performance Criteria
Building Systems	4. Demonstrate ability to work with Facilities Team to establish practices and procedures.
Technology Solutions	6. Demonstrate ability to recommend and communicate policies. Establish practices and procedures.



Section 2 – Courses and Certificates

2. Please identify the course objective(s) that align with required FBPTA performance criteria. Please identify the learning methods in the course that will support that learning objective(s).

FBPTA Core Competency Area	FBPTA Core Competency	Required FBPTA performance criteria	Identify the specific learning objective(s) that meet specific FBPTA performance criteria. Leave blank any cells for which there are no objectives that meet specific performance criteria.	Identify the skills that will be taught or material that will be covered that meets the specific performance criteria. Leave blank any cells for which there is nothing taught that meets specific performance criteria.	Identify specific learning methods in the training resource that support learning this FBPTA performance criteria. This can include lecture, group work, essay work, quizzes, or other learning methods.
1. Management of Facilities O&M	1.1 Management of Building Systems	1.1.1. Demonstrate familiarity with Building Systems.			
		1.1.2. Demonstrate ability to work with Facilities Team to assess a facility's need for building systems.			
		1.1.3. Demonstrate ability to oversee the acquisition, installation, and operation of building systems.			
		1.1.4. Demonstrate ability to work with Facilities Team to establish practices and procedures.			
		1.1.5. Demonstrate ability to work with Facilities Team to determine and administer the allocation of building systems' resources.			
		1.1.6. Demonstrate ability to monitor and evaluate how well building systems perform.			





Section 2 – Certifications, Registrations, Licenses

2. Please indicate if the registration requirement completely or partially aligns with required FBPTA performance criteria. Leave blank any instance where the registration requirement does not completely or partially align.

FBPTA Core Competency Area	FBPTA Core Competency	Required FBPTA performance criteria	Indicate if the registration requirement completely aligns with the FBPTA criteria by describing how it aligns.	Indicate if the registration requirement partially aligns with the FBPTA criteria by describing how it aligns.
Department of Facilities O&M	Building Management	1.1.1. Demonstrate familiarity with Building Systems.		
		1.1.2. Demonstrate ability to work with Facilities Team to assess a facility's need for building systems.		
		1.1.3. Demonstrate ability to oversee the acquisition, installation, and operation of building systems.		
		1.1.4. Demonstrate ability to work with Facilities Team to establish practices and procedures.		
		1.1.5. Demonstrate ability to work with Facilities Team to determine and administer the allocation of building systems' resources.		

Instructions | Form for Courses | Form for Certificate Programs | **Form for Certification - Accredit** | Form for Registrations | Form for License



Look at the Instruction tab for examples

	A	B	C	D	E	F	G	H	I	J	K	L	M	
10	The following is a sample form with examples of content from submitted courses													
11	2. Please identify the course objective(s) that align with required FBPTA performance criteria. Please identify the learning methods in the course that will support that learning objective(s).													
12	Example 1 of submission for a course													
13	FBPTA Core Competency Area	FBPTA Core Competency	Required FBPTA performance criteria			Identify the specific learning objective(s) that meet specific FBPTA performance criteria. Leave blank any cells for which there are no objectives that meet specific performance criteria.			Identify the skills that will be taught or material that will be covered that meets the specific performance criteria. Leave blank any cells for which there is nothing taught that meets specific performance			Identify specific learning methods in the training resource that support learning this FBPTA performance criteria. This can include lecture, group work, essay work, quizzes, or other learning methods.		
14	1. Facilities Operations and Management	1.1 Building Management	1.1.1. Demonstrate familiarity with Building Systems: HVAC, Electrical (and Standby generators), Lighting, Mechanical/Plumbing (and Fire protection systems), Vertical transportation, Structural, Roofing, Building Envelope.			Ensure compliance with legal, regulatory, guidance documents, and accreditation standards or codes to include design, operations, maintenance, and construction issues			Ensure the understanding of the operation and maintenance of: 1) HVAC and refrigeration systems and equipment. 2) steam and hot water generation systems. 3) medical gas and vacuum systems. 4) electrical distribution systems. 5) emergency power supply systems. 6) fire protection systems. 7) water and sanitary systems. 8) safety and security systems. 9) medical equipment. 10) building envelope systems (e.g., roof, windows, exterior walls).			Learning is provided via a handbook that contains eligibility requirements, a complete content outline for the examination, sample test items, instructions on applying for the examination, and an application.		
15			Example 2 of submission for a course											
16	FBPTA Core Competency Area	FBPTA Core Competency	Required FBPTA performance criteria			Identify the specific learning objective(s) that meet specific FBPTA performance criteria. Leave blank any cells for which there are no objectives that meet specific performance criteria.			Identify the skills that will be taught or material that will be covered that meets the specific performance criteria. Leave blank any cells for which there is nothing taught that meets specific performance			Identify specific learning methods in the training resource that support learning this FBPTA performance criteria. This can include lecture, group work, essay work, quizzes, or other learning methods.		
17	Energy Management	Assess Initial Conditions	4.2.2. Demonstrate knowledge of laws, regulations, and Executive Orders that pertain to energy management, status of compliance, and existing energy management plans. See FEMP website for list of laws and regulations: http://www1.eere.energy.gov/femp/regulations/regulations.htm			1. Define energy management, energy efficiency, renewable energy, and water efficiency. 2. Access relevant Federal legislation and Executive Orders and FEMP's crosswalk which compares the new Executive Order 13514 to other legislation and Executive Orders.			Understand the legislative basis and Executive Orders for Federal energy efficiency initiatives and management, and understand the crosswalk between Executive Order 13514 and other Orders and statutes.			Lecture available via live streaming video available on the day of the event over the internet to a desktop computer or via a projection system in a conference room; digital and analog satellite downlink technology for group showings; and, archived streaming video available after the event over the internet on a desktop computer or via a projection system in a		
18			<div style="border: 2px dashed red; padding: 2px; display: inline-block;">Instructions</div> Form for Courses / Form for Certificate Programs / Form for Certification-Accredit / Form for Registrations / Form for License											



Design coverage – build a curriculum

Qualification Name			Certificate 1		Certificate 2				
			Course 1	Course 2	Course 1	Course 2	Course 3	Course 4	Course 5
Competency Areas (12)	Core Competencies (43)	Performances (232)							
1. Management of Facilities O&M	1.1. Building Systems <i>(High Priority / High Value)</i>	1.1.1. Demonstrate familiarity with Building Systems.	✓		✓	✓	✓	✓	✓
		1.1.2. Demonstrate ability to work with Facilities team to assess a facility's need for	✓		✓	✓	✓	✓	✓
		1.1.3. Demonstrate ability to oversee the acquisition, installation, and operation of	✓		✓	✓	✓	✓	✓
		1.1.4. Demonstrate ability to work with Facilities Team to establish practices and	✓		✓	✓	✓	✓	✓
		1.1.5. Demonstrate ability to work with Facilities Team to determine and administer	✓		✓	✓	✓	✓	✓
		1.1.6. Demonstrate ability to monitor and evaluate how well building systems perform.	✓		✓	✓	✓	✓	✓
		1.1.7. Demonstrate ability to manage corrective, preventive and predictive	✓		✓	✓	✓	✓	✓
		1.1.8. Demonstrate ability to work with Facilities Team to develop emergency	✓		No Credit Sought				
		1.1.9. Demonstrate knowledge of how to implement disaster recovery plans for	✓		No Credit Sought				
		1. Management of Facilities O&M	1.2. Building Interior	1.2.1. Demonstrate knowledge of how to evaluate building structures and permanent		✓	No Credit Sought		
1.2.2. Demonstrate ability to manage the service/repair requests and maintenance and				✓	No Credit Sought				
1.2.3. Demonstrate ability to evaluate furniture and equipment performance.				✓	No Credit Sought				
1.2.4. Demonstrate ability to manage the maintenance and cleaning of furniture and				✓	No Credit Sought				



Outline

- What is the FBPTA and Who Does it Affect?
- Competency Overview
- Implementation of the FBPTA
- Mapping Courses and Certifications to the FBPTA
- **Future Implications**



Facilities Management Institute Implementing the Federal Buildings Personnel Training Act (FBPTA)

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2013 FBPTA Annual Update

The 2013 update to the FBPTA Competencies and Curriculum is [here](#).

Update to FBPTA Core Competencies and Recommended Curriculum

2013





Calendar

« February »

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

Upcoming Events

Virginia Energy and Sustainability Conference	02/11/2014 - 10:00
FBPTA Industry Day at NFM&T - Baltimore, MD	03/05/2014 - 09:00
ASHRAE HPB Conference - San Francisco, CA	04/07/2014 - 08:30
IFMA Facility Fusion - Washington DC	04/15/2014 - 10:00
Energy 2014 - Championsgate, FL	07/22/2014 - 10:00

[more](#)

Public Comment Sought - DAU, FEMP, and GSA Courses

Submitted by [brian.gilligan](#) on Tue, 01/28/2014 - 08:44

GSA has completed reviews of twelve training resources developed by DAU, FEMP and GSA. This process mapped their alignment with the core competencies defined for the Federal Buildings Personnel Training Act. The courses reviewed were selected by GSA as priorities for its own internal training. When complete, this mapping will apply to any federal personnel wishing to demonstrate compliance with the Act. We invite your review and comment on the results by following [this link](#). Instructions are provided for submission and comments will be



★ Self-Assessment/Update

The purpose of this customized self-assessment is for you to determine where your experience, skills, degrees, certifications, and knowledge place you in your career. You will not only see where you stand, what your next steps are, but also receive detailed training and action steps for your career advancement. Use this tool to help you:

- Determine how to use your talent and skills and continue to grow
- Identify and focus on preparation needed for a successful career
- Identify and close gaps in your training and learning
- Locate the required training you need for advancement



New Profile Selection

The following profiles are available for you:

- Contractor - Building Operations Professional
- Energy Management
- Facility Management
- SELECT MY OWN COMPETENCIES

Select a profile and then:

[Begin Assessment](#)



★ Self-Assessment/Update - Core Competency Specialty Areas

Select each of the Core Competency Specialty Areas that you and your supervisor agree you are responsible for.

	Core Competency Specialty Area
<input checked="" type="checkbox"/>	Facilities Operations and Management
<input checked="" type="checkbox"/>	Facilities Operations, Maintenance and Engineering
<input checked="" type="checkbox"/>	Technology
<input checked="" type="checkbox"/>	Energy Management
<input type="checkbox"/>	Safety
<input type="checkbox"/>	Design
<input type="checkbox"/>	Sustainability
<input type="checkbox"/>	Water Efficiency
<input type="checkbox"/>	Project Management
<input type="checkbox"/>	Business, Budget and Contracting
<input type="checkbox"/>	Leadership and Innovation
<input type="checkbox"/>	Performance Measures

[Back](#)[Next](#)



Staff select from existing “qualifications”

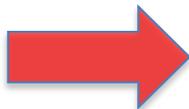
★ Self-Assessment/Update - Qualifications

Select each of the qualifications that you currently hold.

If your qualification is not listed, please submit your qualification to AskFMI@gsa.gov and it will be considered as part of an ongoing update process to this list.

————— Certification / Accreditations —————

	ASHRAE Certifications
<input type="checkbox"/>	Operations And Performance Management Professional Certification
<input type="checkbox"/>	High-Performance Building Design Professional Certification
<input type="checkbox"/>	Building Energy Assessment Professional Certification
<input type="checkbox"/>	Commissioning Process Management Professional Certification
	APPA
<input type="checkbox"/>	Education Facilities Professional (EFP)
<input type="checkbox"/>	Certified Educational Facilities Professional (CEFP)
	Association of Energy Engineers (AEE)
<input checked="" type="checkbox"/>	Certified Energy Manager (CEM)
<input type="checkbox"/>	Energy Manager in Training (EMIT)
<input type="checkbox"/>	Building Energy & Sustainability Technician (BEST)



Staff confirms input

★ Self-Assessment/Update - Complete

Your assessment is now complete, thank you for providing your information. Your supervisor will contact you to discuss your qualifications and determine your next steps.

Qualifications Selected

Certification / Accreditations

Association of Energy Engineers (AEE)
Certified Energy Manager (CEM)

Core Competency Specialty Areas Selected

Core Competency Specialty Area
1. Facilities Operations and Management
2. Facilities Operations, Maintenance and Engineering
3. Technology
4. Energy Management

Please select from the following actions:

1. [See full skills assessment](#)
2. [See skill gaps only](#)
3. [See Development Plan](#)
4. [Change or Update Data](#)

Staff sees results immediately

Facilities Operations and Management Core Competencies and Examples

Building Systems

Complete (1)	1	Demonstrate familiarity with Building Systems: HVAC, Electrical (and Standby generators), Lighting, Mechanical/Plumbing (and Fire protection systems), Vertical transportation, Structural, Roofing, Building Envelope.
Complete (1)	2	Demonstrate ability to work with Facilities Team to assess a facility's need for building systems.
Complete (1)	3	Demonstrate ability to oversee the acquisition, installation, and operation of building systems.
Complete (1)	4	Demonstrate ability to work with Facilities Team to establish practices and procedures.
Required	5	Demonstrate ability to work with Facilities Team to determine and administer the allocation of building systems' resources.
Required	6	Demonstrate ability to monitor and evaluate how well building systems perform.
Complete (1)	7	Demonstrate ability to manage corrective, preventive and predictive maintenance.
Required	8	Demonstrate ability to work with Facilities Team to develop emergency procedures for building systems.
Required	9	Demonstrate knowledge of how to implement disaster recovery plans for building systems as required.

Building Interior

Complete (1)	1	Demonstrate knowledge of how to evaluate building structures and permanent interiors.
Required	2	Demonstrate ability to manage the service/repair requests, maintenance, cleaning needs of building structures, and permanent interior elements.
Required	3	Demonstrate ability to evaluate furniture and equipment performance.
Required	4	Demonstrate ability to manage the maintenance and cleaning of furniture and equipment.



Staff and supervisors have a conversation

Facilities Operations and Management Core Competencies and Examples ▼

Status	Building Systems Competencies
Complete (1) ▼	1 Demonstrate familiarity with Building Systems: HVAC, Electrical (and Standby generators), Lighting, Mechanical/Plumbing (and Fire protection systems), Vertical transportation, Structural, Roofing, Building Envelope.
Complete (1) ▼	2 Demonstrate ability to work with Facilities Team to assess a facility's need for building systems.
Complete (1) ▼	3 Demonstrate ability to oversee the acquisition, installation, and operation of building systems.
Complete (1) ▼	4 Demonstrate ability to work with Facilities Team to establish practices and procedures.
Required ▼	5 Demonstrate ability to work with Facilities Team to determine and administer the allocation of building systems' resources.
Complete (2) ▼ ⓘ	6 Demonstrate ability to monitor and evaluate how well building systems perform.
Complete (1) ▼	7 Demonstrate ability to manage corrective, preventive and predictive maintenance.
Complete (3) ▼ ⓘ	8 Demonstrate ability to work with Facilities Team to develop emergency procedures for building systems.
Complete (3) ▼ ⓘ	9 Demonstrate knowledge of how to implement disaster recovery plans for building systems as required.
Status	Building Interior Competencies
Complete (1) ▼	1 Demonstrate knowledge of how to evaluate building structures and permanent interiors.
Required ▼	2 Demonstrate ability to manage the service/repair requests, maintenance, cleaning needs of building structures and permanent interior elements.
Not Required ▼	3 Demonstrate ability to evaluate furniture and equipment performance.
Not Required ▼	4 Demonstrate ability to manage the maintenance and cleaning of furniture and equipment.



Find “qualifications” to fill gaps

★ My Development Plan (Skill Gaps)

Based on your entries in the Self-Assessment, here is a list of the objectives you are still required to meet.

Individuals and their supervisor **will find single courses** (using the methods most effective for them) that map to the core competencies, a single performance, or groups of performances required by their position.

The **Course Providers** option in the menu bar above will take you to a page of web-links for highly recommended industry and government sources to aid in your search for the courses.

Once a course has been selected, the proposed performance(s) and/or core competency that it maps to will be submitted by the individual's supervisor for review and approval by FMI/OPM staff via the FMI website.

For personnel seeking qualifications above the single course level (certificates, certifications, registrations, licenses and degrees) select the **Qualifications** link in the box(es) below for the performances and core competencies required by your position.

1. Management of Facilities Operations and Maintenance Core Competencies and Examples ▼

1.1 Building Systems			
Required	1.1.1	Demonstrate familiarity with Building Systems.	Qualifications
Required	1.1.2	Demonstrate ability to work with Facilities Team to assess a facility's need for building systems.	Qualifications
Required	1.1.3	Demonstrate ability to oversee the acquisition, installation, and operation of building systems.	Qualifications
Required	1.1.5	Demonstrate ability to work with Facilities Team to determine and administer the allocation of building systems' resources.	Qualifications
Required	1.1.7	Demonstrate ability to manage corrective, preventive and predictive maintenance.	Qualifications
Required	1.1.8	Demonstrate ability to work with Facilities Team to develop emergency procedures for building systems.	Qualifications
Required	1.1.9	Demonstrate knowledge of how to implement disaster recovery plans for building	Qualifications



Track organizational development needs

Organizational Compliance Progress Chart

Search Criteria:
 All Data
 Number of users matched: 1492



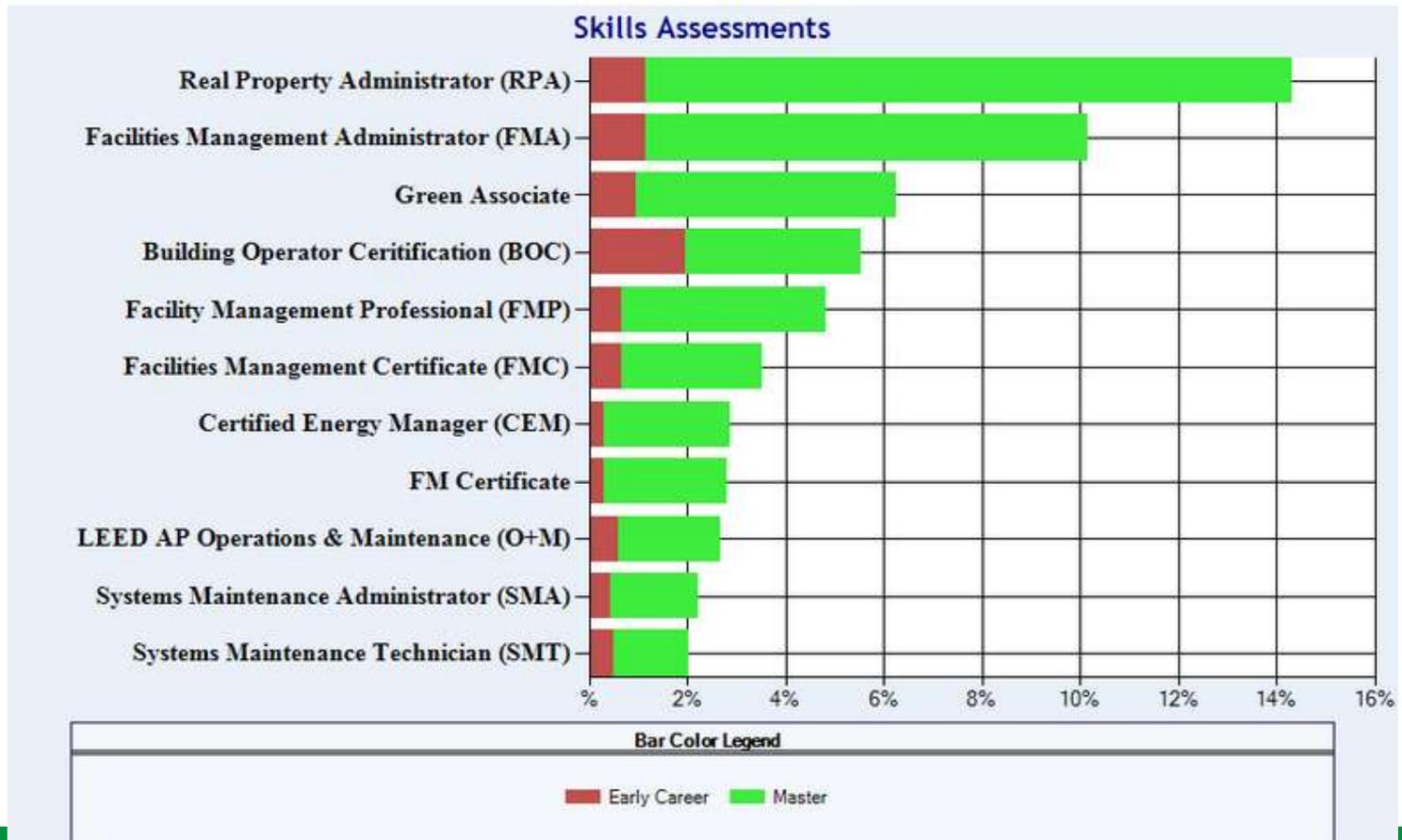
Track qualifications most often sited

Qualifications Most Commonly Completed

Search Criteria:

All Data

Number of users matched: 1388



What training meets the FBPTA?

Evaluation Criteria

- Near-term: Confirm alignment with FBPTA
- Long-term: Accreditation standard

Accreditation: Given to a program or institution by an objective evaluating body.

Accreditation

Provider Requirements

- Learning objectives
- Syllabus
- Assess results
- Staff / facilities

Certification: Given to an individual by an objective evaluating body.

FBPTA “Qualifications”

Certifications, Registrations, Licenses, Classes

Competencies

- FBPTA
- Agency

FBPTA Competency Model

Based on Job Task Analyses and community review



Need a Way to Help the Market Identify High Quality Training and Certification Programs



Framework for a Better Buildings Workforce



Path to Better Buildings Workforce Guidelines



- FMI and the Skills Assessment Web Tool can help:
 - Understand the Act and find training resources (individuals)
 - Define approach to cover the competencies (organizations)
 - Track progress over time (both)
- Our training reviews are a balance between rigorous and burden
- Training providers should seek agency backing when submitting to FMI



Questions?

- Submittal form and instructions at www.fmi.gov
- Post questions and proposals to AskFMI@gsa.gov
- Contact information: Brian Gilligan: brian.gilligan@gsa.gov
- Contact information: Maureen Roskoski: maureen.roskoski@feapc.com

