

Industry Partnership Training Plan

Partnership: Smart Energy Initiative of Southeastern PA

2022 - 2024

Fiscal Agent: Chester County Workforce Development Board

Training Name	Estimated # of Participants	Total Training Cost	Average Cost per Participant	SOC Codes	SOC Titles	Specific Expected Outcomes (number and name of specific certs./creds.)
ELECTRIC VEHICLES COURSE (USA)	5	\$12,495.00	\$2,499.00			Certifications for 80 % of trainees. No wage impact as this is a new topic in the market.
				17-2051	Engineers	
				51-1011	Managers	
				17-3023	Technicians	
Building Performance Institute (BPI) Certified Building Analyst	1	\$1,950.00	\$1,950.00			Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.
				47-2111	Electricians	
				49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
				17-3026	Industrial Engineering Technicians	
				49-9071	Maintenance & Repair Workers, General	
				17-2141	Mechanical Engineers	
				47-2152	Plumbers, Pipefitters & Steamfitters	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
				51-1011	Supervisors - Production & Operating Workers	

Building Performance Institute (BPI) Certified Envelope Professional	1	\$1,250.00	\$1,250.00			Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.
				47-2031	Carpenters	
				17-2071	Electrical Engineers	
				47-2111	Electricians	
				49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
				17-3026	Industrial Engineering Technicians	
				49-9071	Maintenance & Repair Workers, General	
				17-2141	Mechanical Engineers	
				47-2152	Plumbers, Pipefitters & Steamfitters	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
				51-1011	Supervisors - Production & Operating Workers	

Building Performance Institute (BPI) Healthy Home Evaluator (HHE) Certification	0					<p>Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.</p>
	Please approve	this course	in case needed	47-2031	Carpenters	
				17-2071	Electrical Engineers	
				47-2111	Electricians	
				49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
				17-3026	Industrial Engineering Technicians	
				49-9071	Maintenance & Repair Workers, General	
				17-2141	Mechanical Engineers	
				47-2152	Plumbers, Pipefitters & Steamfitters	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
			51-1011	Supervisors - Production & Operating Workers		
BPI Infiltration and Duct Leakage (IDL) Certification	4	\$3,300.00	\$825.00			<p>Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.</p>
				47-2031	Carpenters	
				47-2111	Electricians	
				49-9021	Heating, A/C &	
				17-3026	Industrial Engineering	
				49-9071	Maintenance & Repair Workers, General	
				17-2141	Mechanical Engineers	
				47-2152	Plumbers, Pipefitters & Steamfitters	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
				51-1011	Supervisors - Production & Operating Workers	

BPI Multifamily Certification	1	\$2,100.00	\$2,100.00			Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.
				47-2031	Carpenters	
				47-2111	Electricians	
				49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
				17-3026	Industrial Engineering Technicians	
				49-9071	Maintenance & Repair Workers, General	
				17-2141	Mechanical Engineers	
				47-2152	Plumbers, Pipefitters & Steamfitters	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
			51-1011	Supervisors - Production & Operating Workers		

Energy Modeling for LEED Projects	0					Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.
	Please approve	this course	in case needed	17-2051	Civil Engineers	
				17-2071	Electrical Engineers	
				49-9051	Electrical Power-Line Installers & Repairers	
				47-2111	Electricians	
				49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
				17-3026	Industrial Engineering Technicians	
				17-2112	Industrial Engineers	
				49-9071	Maintenance & Repair Workers, General	
				17-2141	Mechanical Engineers	
				47-2152	Plumbers, Pipefitters & Steamfitters	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
				51-1011	Supervisors - Production & Operating Workers	

HVAC Design	1	\$1,500.00	\$1,500.00			Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.
				17-2051	Civil Engineers	
				17-2071	Electrical Engineers	
				49-9051	Electrical Power-Line Installers & Repairers	
				47-2111	Electricians	
				49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
				17-3026	Industrial Engineering Technicians	
				17-2112	Industrial Engineers	
				49-9071	Maintenance & Repair Workers, General	
				17-2141	Mechanical Engineers	
				47-2152	Plumbers, Pipefitters & Steamfitters	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
				51-1011	Supervisors - Production & Operating Workers	

Association of Energy Engineers Certified Energy Manager (CEM)	1	\$1,960.00	\$1,960.00			Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.
				17-2051	Civil Engineers	
				17-2071	Electrical Engineers	
				49-9051	Electrical Power-Line Installers & Repairers	
				47-2111	Electricians	
				49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
				17-3026	Industrial Engineering Technicians	
				17-2112	Industrial Engineers	
				49-9071	Maintenance & Repair Workers, General	
				17-2141	Mechanical Engineers	
				47-2152	Plumbers, Pipefitters & Steamfitters	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
				51-1011	Supervisors - Production & Operating Workers	

Certified Building Commissioning Professional (CBCP)	1	\$2,500.00	\$2,500.00			Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.
				17-2051	Civil Engineers	
				17-2071	Electrical Engineers	
				49-9051	Electrical Power-Line Installers & Repairers	
				47-2111	Electricians	
				49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
				17-3026	Industrial Engineering Technicians	
				17-2112	Industrial Engineers	
				49-9071	Maintenance & Repair Workers, General	
				17-2141	Mechanical Engineers	
				47-2152	Plumbers, Pipefitters & Steamfitters	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
				51-1011	Supervisors - Production & Operating Workers	

Certified Lighting Efficiency Professional (CLEP)	5	\$5,000.00	\$1,000.00			Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.
				17-2051	Civil Engineers	
				17-2071	Electrical Engineers	
				49-9051	Electrical Power-Line Installers & Repairers	
				47-2111	Electricians	
				49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
				17-3026	Industrial Engineering Technicians	
				17-2112	Industrial Engineers	
				49-9071	Maintenance & Repair Workers, General	
				17-2141	Mechanical Engineers	
				47-2152	Plumbers, Pipefitters & Steamfitters	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
				51-1011	Supervisors - Production & Operating Workers	

Certified Measurement & Verification Professional (CMVP)	1	\$1,000.00	\$1,000.00			<p>Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.</p>
				17-2051	Civil Engineers	
				17-2071	Electrical Engineers	
				49-9051	Electrical Power-Line Installers & Repairers	
				47-2111	Electricians	
				49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
				17-3026	Industrial Engineering Technicians	
				17-2112	Industrial Engineers	
				49-9071	Maintenance & Repair Workers, General	
				17-2141	Mechanical Engineers	
				47-2152	Plumbers, Pipefitters & Steamfitters	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
				51-1011	Supervisors - Production & Operating Workers	
Passive House Institute of US (PHIUS) Certified Consultant; Verifier Certification; Verifier	1	\$1,000.00	\$1,000.00			<p>Certifications for trainees of all courses except for "Verifier" Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.</p>
				47-2031	Carpenters	
				17-2051	Civil Engineers	
				17-2071	Electrical Engineers	
				47-2111	Electricians	
				49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
				17-3026	Industrial Engineering Technicians	
				49-9071	Maintenance & Repair Workers, General	
				17-2141	Mechanical Engineers	
				47-2152	Plumbers, Pipefitters & Steamfitters	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
				51-1011	Supervisors - Production & Operating Workers	

LEED Accredited Professional and Operations Management	1	\$1,345.00	\$1,300.45			Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.
				47-2031	Carpenters	
				17-2051	Civil Engineers	
				17-2071	Electrical Engineers	
				47-2111	Electricians	
				49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
				17-3026	Industrial Engineering Technicians	
				17-2112	Industrial Engineers	
				17-2141	Mechanical Engineers	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
				51-1011	Supervisors - Production & Operating Workers	

WaterFurnace International Geothermal Residential Forced Air Equipment Training and other geothermal trainings	23	\$12,420.00	\$540.00			Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award. 95% report training increased trainee technical skill sets and productivity; increased employer profitability.
				47-2111	Electricians	
				49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
				17-3026	Industrial Engineering Technicians	
				49-9071	Maintenance & Repair Workers, General	
				17-2141	Mechanical Engineers	
				47-2152	Plumbers, Pipefitters & Steamfitters	
				47-1011	Supervisors - Construction Trades & Extraction Workers	
				49-1011	Supervisors - Mechanics, Installers & Repairers	
				51-1011	Supervisors - Production & Operating Workers	

HYDROGEN ENERGY EXPERT CERTIFICATE - new technology	2	\$2,680.00	\$1,340.00			50 % will earn a certification as this is a new technology. Environmentally Sustainable Hydrogen Hydrogen as Part of a Climate Neutral Strategy. Hydrogen Production and Conversion Fuel Cells Hydrogen for Mobility Applications & Vehicles Hydrogen Technologies
				Too New		
Basic Electricity for System Operators	18	\$9,000	\$500	47-2111 40-9071	electricians maintenance & repair workers general	This training program is intended for operators who do not have a background in electrical maintenance but who are familiar with working around typical electrical items found in an industrial environment. Operators of facilities are expected to troubleshoot and repair problems. Occasionally, these problems are electrical in nature and cannot be diagnosed properly by an untrained operator. Personal and Public safety could be compromised when individuals without electrical training attempt to repair electrical equipment. This course covers basic electrical theory and highlights safety as a prime consideration. After the course, the student will be able to: Explain basic electrical theory, Explain the hazards associated with electricity, explain the use and selection of Electrical Protection Devices, Explain the use and selection of Lockout/Tagout devices
LEED Green Associate	1	\$500	\$500	49-9071	Maintenance & Repair Workers, General	Upon completion, student will have the ability highlight their understanding of green building design, construction, and operations by earning the LEED Green Associate professional credential. The course will introduce the structure and scope of the LEED Rating System, including the 100+ green practices that make our buildings more energy-efficient, safe, healthy, and more durable. Also shared tips for how the student can be successful if they want to pursue taking the LEED Green Associate exam (sold separately).
TOTAL	67	\$60,000.00	Avg. cost \$895.52			

