Industry Partnership Training Plan

Partnership: Smart Energy Initiative of Southeastern PA

Fiscal Agent: Chester County Workforce Development Board

Training Name	SOC Codes	SOC Titles	Specific Expected Outcomes (number and name of specific certs./creds.)
ELECTRIC VEHICLES COURSE (USA)	17-2051 51-1011 17-3023	Engineers Managers Technicians	Certifications for 80 % of trainees. No wage impact as this is a new topic in the market.
Building Performance Institute (BPI) Certified	47-2111	Electricians Heating, A/C & Refrigeration Mechanics & Installers Industrial Engineering	Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award.
Building Analyst	17-3026 49-9071	Technicians Maintenance & Repair Workers, General	95% report training increased trainee technical skill sets and productivity; increased employer profitability.
	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	47-2031 17-2071 47-2111 49-9021 17-3026 49-9071 17-2141 47-2152 47-1011	Carpenters Electrical Engineers Electricians Heating, A/C & Refrigeration Mechanics & Installers Industrial Engineering Technicians Maintenance & Repair Workers, General Mechanical Engineers Plumbers, Pipefitters & Steamfitters Supervisors - Construction Trades & Extraction Workers Supervisors - Mechanics, Installers & Repairers Supervisors - Production &	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.
	51-1011	Supervisors - Production & Operating Workers	

	47-2031	Carpenters	
	17-2071	Electrical Engineers	
	47-2111	Electricians	
		Heating, A/C &	
	49-9021	Refrigeration Mechanics &	
		Installers	
	17-3026	Industrial Engineering	Certifications for 100% of trainees
	17-3026	Technicians	Wage gain and/or promotion for 90% of trainees.
Building Performance Institute (BPI) Healthy	49-9071	Maintenance & Repair	Wage gain will exceed grant award.
Home Evaluator (HHE) Certification	49-9071	Workers, General	95% report training increased trainee technical skill
	17-2141	Mechanical Engineers	sets and productivity; increased employer profitability.
	47-2152	Plumbers, Pipefitters &	promability.
	47-2152	Steamfitters	
		Supervisors - Construction	
	47-1011	Trades & Extraction	
		Workers	
	49-1011	Supervisors - Mechanics,	
	45-1011	Installers & Repairers	
	51-1011	Supervisors - Production &	
	31 1011	Operating Workers	
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	47-2031	Carpenters	
	47-2111	Electricians	
	49-9021	Heating, A/C &	
	17-3026	Industrial Engineering	
	49-9071	Maintenance & Repair Workers, General	Certifications for 100% of trainees
BPI Infiltration	17-2141	Mechanical Engineers	Wage gain and/or promotion for 90% of trainees.
and Duct Leakage (IDL) Certification	17-2141		Wage gain will exceed grant award. 95% report training increased trainee technical skill
and Duct Leakage (IDL) Certification	47-2152	Plumbers, Pipefitters & Steamfitters	sets and productivity; increased employer
		Supervisors - Construction	profitability.
	47-1011	Trades & Extraction	
		Workers	
	49-1011	Supervisors - Mechanics,	
		Installers & Repairers	
	51-1011	Supervisors - Production &	
	31 1011	Operating Workers	

	47-2031	Carpenters	
	47-2111	Electricians	
	49-9021	Heating, A/C & Refrigeration Mechanics & Installers	
	17-3026	Industrial Engineering Technicians	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 sk
BPI Multifamily Certification	49-9071	Maintenance & Repair Workers, General	
Di i Mathaminy Cortineation	17-2141	Mechanical Engineers	sets and productivity; increased employer
	47-2152	Plumbers, Pipefitters & Steamfitters	profitability.
		Supervisors - Construction	
	47-1011	Trades & Extraction Workers	
	49-1011	Supervisors - Mechanics, Installers & Repairers	
	51-1011	Supervisors - Production & Operating Workers	

	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	Certifications for 100% of trainees Wage gain and/or promotion for 90% of trainees.
	17-2112	Industrial Engineers	Wage gain will exceed grant award.
Energy Modeling for LEED Projects	49-9071	Maintenance & Repair Workers, General	95% report training increased trainee technical skill sets and productivity; increased employer profitability.
	17-2141	Mechanical Engineers	promasinty.
	47-2152	Plumbers, Pipefitters & Steamfitters	
	47-1011	Supervisors - Construction Trades & Extraction Workers	
	49-1011	Supervisors - Mechanics, Installers & Repairers	
	51-1011	Supervisors - Production & Operating Workers	

	17-2051 17-2071 49-9051	Civil Engineers Electrical Engineers Electrical Power-Line	
	47-2111	Installers & Repairers Electricians	
	49-9021	Heating, A/C & Refrigeration Mechanics & Installers	Certifications for 100% of trainees
	17-3026	Industrial Engineering Technicians	Wage gain and/or promotion for 90% of trainees. Wage gain will exceed grant award.
HVAC Design	17-2112	Industrial Engineers	95% report training increased trainee technical s
	49-9071	Maintenance & Repair Workers, General	sets and productivity; increased employer profitability.
	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	

49-1011 Supervisors - Production & Operating Workers
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Certified Building Commissioning Professional (CBCP)	17-2051 17-2071 49-9051 47-2111 49-9021 17-3026 17-2112 49-9071 17-2141 47-2152 47-1011	Maintenance & Repair	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.
	49-1011	· ·	
	51-1011	Supervisors - Production & Operating Workers	

49-1011 Supervisors - Mechanics, Installers & Repairers 51-1011 Supervisors - Production &

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		1	
	17-2051	Civil Engineers	
	17-2071	Electrical Engineers	
	49-9051	Electrical Power-Line	
L	49-3031	Installers & Repairers	
	47-2111	Electricians	
		Heating, A/C &	
	49-9021	Refrigeration Mechanics &	Certifications for 100% of trainees
		Installers	Wage gain and/or promotion for 90% of trainees.
	17-3026	Industrial Engineering Technicians	Wage gain will exceed grant award.
Certified Measurement & Verification	17-2112	Industrial Engineers	95% report training increased trainee technical skill
Professional (CMVP)	17-2112	Maintenance & Repair	sets and productivity; increased employer
	49-9071	Workers, General	profitability.
	17-2141	Mechanical Engineers	
	1, 11,1	Plumbers, Pipefitters &	
	47-2152	Steamfitters	
		Supervisors - Construction	
	47-1011	Trades & Extraction	
		Workers	
	49-1011	Supervisors - Mechanics,	
		Installers & Repairers	
	51-1011	Supervisors - Production & Operating Workers	
		Operating Workers	
	47-2031	Carpenters	
		-	
	17-2051	Civil Engineers	
	17-2071	Electrical Engineers	
	47-2111	Electricians	
	40.0034	Heating, A/C &	Certifications for trainees of all courses except for
	49-9021	Refrigeration Mechanics & Installers	"Verifier"
		Industrial Engineering	Wage gain and/or promotion for 90% of trainees.
Passive House Institute of US (PHIUS) Certified	17-3026	Technicians	Wage gain will exceed grant award.
Consultant; Verifier Certification; Verifier	49-9071	Maintenance & Repair	95% report training increased trainee technical skill sets and productivity; increased employer
	49-9071	Workers, General	profitability.
	17-2141	Mechanical Engineers	promasiney.
	47-2152	Plumbers, Pipefitters &	
-	47 2132	Steamfitters	
	47.4044	Supervisors - Construction	
	47-1011	Trades & Extraction Workers	
		Supervisors - Mechanics,	
	49-1011	Installers & Repairers	
	E1 1011	Supervisors - Production &	
	51-1011	Operating Workers	
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LEED Accredited Professional and Operations Management	47-2031 17-2051 17-2071 47-2111 49-9021 17-3026 17-2112 17-2141 47-1011 49-1011 51-1011	Carpenters Civil Engineers Electrical Engineers Electricians Heating, A/C & Refrigeration Mechanics & Installers Industrial Engineering Technicians Industrial Engineers Mechanical Engineers Supervisors - Construction Trades & Extraction Workers Supervisors - Mechanics, Installers & Repairers Supervisors - Production & Operating Workers	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.
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WaterFurnace International Geothermal Residential Forced Air Equipment Training and other geothermal trainings	47-2111 49-9021 17-3026 49-9071 17-2141 47-2152 47-1011 49-1011	Plumbers, Pipefitters & Steamfitters Supervisors - Construction Trades & Extraction Workers Supervisors - Mechanics, Installers & Repairers	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.
	51-1011	Supervisors - Production & Operating Workers	

HYDROGEN ENERGY EXPERT CERTIFICATE - new technology	Too New		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
Basic Electricity for System Operators	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 diagosed properly by an untrained operator. Personal and Public safety could be compromised whan 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	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).