
PREPARING FOR PORTS SITE REINDUSTRIALIZATION

WORKFORCE READY: TRADE TRAINING CAPACITY ACROSS SOUTHERN OHIO. A SURVEY REPORT OF LABOR UNION TRAINING CENTERS

PREPARED BY

*OHIO UNIVERSITY VOINOVICH SCHOOL OF LEADERSHIP AND PUBLIC SERVICE
PORTSFUTURE PROGRAM
AND
REMINGTON ROAD GROUP*



Appalachian Career Empowerment (ACE) – Piketon, OH	<ul style="list-style-type: none"> • Maintenance, Operations, Professional Technical Roles • Focus: Nuclear operations, process maintenance, radiological control.
Boilermakers Local 105 – Piketon, OH	<ul style="list-style-type: none"> • Boilermakers – Mechanic, Welder, Rigger • Focus: Welding, rigging, mechanical assembly for heavy industry.
Indiana/Kentucky/Ohio Regional Council of Carpenters (IKORCC) – Grayson Campus – Grayson, KY	<ul style="list-style-type: none"> • Millwrights, Floor Coverers, Carpenters, Pile Drivers • Focus: Carpentry, precision alignment, flooring, concrete formwork.
Iron Workers Local 172 JATC – Columbus, OH	<ul style="list-style-type: none"> • Iron Workers • Focus: Welding, rigging, reinforcing, structural and blueprint reading.
Ohio Laborers Training Center – Howard, OH	<ul style="list-style-type: none"> • Construction Laborers • Focus: General labor, pipelaying, concrete, hazardous materials, traffic control.
Ohio Operating Engineers – Logan Center – Logan, OH	<ul style="list-style-type: none"> • Operating Engineers, Maintenance Technicians • Focus: Heavy machinery, diesel engines, CDL, GPS-based systems.
Plumbers and Pipefitters Local 577 JATC – Portsmouth, OH	<ul style="list-style-type: none"> • Industrial & Commercial Plumbers, Pipefitters, Welders • Focus: Plumbing, welding, rigging, medical gas, instrumentation.
Portsmouth Electrical JATC – Portsmouth, OH	<ul style="list-style-type: none"> • Inside Electrician, Limited Energy Technician • Focus: Electrical systems for commercial and industrial settings.

EIGHT PARTICIPATING TRAINING CENTERS.

APPALACHIAN CAREER EMPOWERMENT (ACE)

– PIKETON, OH

Trades Offered:

- Maintenance Technicians, Operations Technicians, Service Workers, Professional Technical Roles

Counties Served: (5 counties)

- Jackson, Pickaway, Pike, Ross, Scioto (*with plans to expand training throughout central Appalachia, including counties in Kentucky and West Virginia.*)

Compensation:

- **Service Workers:** Total Compensation \$47/hr
- **Maintenance Technicians:** Total Compensation \$49/hr
- **Operations Technicians:** Total Compensation \$49/hr
- **Professional Technical:** Total Compensation \$26.73–\$50.61/hr

Skills:

- **Service workers:** Labor work, sanitation services.
- **Maintenance Technicians:** Electrical, mechanical, instrument maintenance
- **Operations Technicians:** Power operations, process operations, utility operations, uranium operations, chemical operations.
- **Professional Technical** Procurement, environmental monitoring, planning, radiological control, industrial hygiene.

Capacity & Graduation Output:

- **Average Graduates per Year:** up to 240 graduates for 2025
- **Maximum Capacity:** A total of 720 projected over a three-year period (*with the ability to expand based on need*)
- Operating at **high volume**, structured to maintain high output.

Higher Education Partnership:

- Partnered with **Sinclair Community College** and **Shawnee State University**.
- Apprentices receive **college credit** for training.

Certifications Offered:

- Radiological Control Technician Training, Industrial Hygiene Technician Training, OSHA 10/30/511/501, HAZWOPER.

BOILERMAKERS LOCAL 105

– PIKETON, OH

Trades Offered:

- Boilermaker – Mechanic, Welder, Rigger

Counties Served: (35 counties)

- Adams, Athens, Brown, Butler, Champaign, Clark, Clermont, Clinton, Fairfield, Fayette, Franklin, Gallia, Greene, Guernsey, Highland, Hamilton, Hocking, Jackson, Lawrence, Licking, Madison, Meigs, Miami, Montgomery, Morgan, Muskingum, Noble, Perry, Pickaway, Pike, Preble, Ross, Scioto, Vinton, Warren

Compensation:

- Wage: \$44.25/hr
- Benefits: \$29.63/hr
- Total Compensation: \$73.88/hr

Skills:

- Welding, rigging, layout, burning, gouging, mechanical assembly for heavy industrial and power generation work.

Capacity & Graduation Output:

- Average Graduates per Year:** 15
- Maximum Capacity:** 340 *(with ability to expand based on need)*
- Operating significantly **below capacity** due to the demand level.

Higher Education Partnership:

- No formal partnership with a higher education institution.

Certifications Offered:

- OSHA 10, OSHA 30, CPR, First Aid.

KORCC – GRAYSON CAMPUS

– GRAYSON, KY

Trades Offered:

- Millwrights, Floor Coverers, Carpenters, Pile Drivers

Counties Served: (12 counties)

- Adams, Fayette, Gallia, Hocking, Highland, Jackson, Lawrence, Meigs, Pike, Ross, Scioto, Vinton

Compensation:

- **Millwright:** Wage \$37.78/hr, Benefits \$28.05/hr, Total Compensation \$65.83/hr
- **Floor Coverer:** Wage \$32.82/hr, Benefits \$27.03/hr, Total Compensation \$59.85/hr
- **Carpenter:** Wage \$32.82/hr, Benefits \$27.03/hr, Total Compensation \$59.85/hr
- **Pile Driver:** Wage \$33.00/hr, Benefits \$26.90/hr, Total Compensation \$59.90/hr

Skills:

- **Millwright:** Precision alignment, rotating equipment, welding, industrial machinery mechanics
- **Floor Coverer:** Sheet vinyl, VCT, LPV, hardwood, ceramics installation
- **Carpenter:** Wood and metal framing, drywall hanging, acoustical ceilings, concrete formwork, scaffold building, bridge formwork.
- **Pile Driver:** Pile driving, welding, concrete formwork.

Capacity & Graduation Output:

- **Average Graduates per Year:** 200
- **Maximum Capacity:** 300 *(with ability to expand based on need)*
- Operating at **two-thirds capacity** due to the demand level.

Higher Education Partnership:

- Partnered with **Ivy Tech (Indiana)**.
- Apprentices graduate with a **tuition-free 2-year degree** in Construction Management (Carpentry focus).

Certifications Offered:

- OSHA 10 & 30, First Aid, CPR, 40-hour scaffold, certified rigging & signaling, ICRA (Infection Control Risk Assessment Training), flooring certifications, HAZWOPER, lead abatement, door safety inspector (DSI).

IRON WORKERS LOCAL 172 JATC

– COLUMBUS, OH

Trades Offered:

- Iron Workers

Counties Served: (25 counties)

- Champaign, Clark, Crawford, Delaware, Fairfield, Fayette, Franklin, Hardin, Highland, Hocking, Jackson, Knox, Licking, Logan, Madison, Marion, Morrow, Muskingum, Perry, Pickaway, Pike, Ross, Union, Vinton, Wyandot

Compensation:

- Wage: \$36.77/hr
- Benefits: \$23.79/hr
- Total Compensation: \$60.56/hr

Skills:

- Welding, rigging, reinforcing, blueprint reading, structural steel work, scaffold erection, crane operation.

Capacity & Graduation Output:

- **Average Graduates per Year:** 40
- **Maximum Capacity:** 80 *(with ability to expand based on need)*
- Operating **below capacity** due to the demand level.

Higher Education Partnership:

- Partnered with **Cuyahoga Community College**.
- Apprentices receive **college credit** for their training.

Certifications Offered:

- OSHA 10, OSHA 30, OSHA 500, OSHA 510, First Aid, CPR, AED, confined space, cranes & rigging, welding, fire watch, COMET, fall protection, aerial work platform, bidding & estimating, rough terrain forklift, instrument layout, scaffold, silica, structural steel, unbonded post-tension, curtain wall, foreman training.

OHIO LABORERS TRAINING CENTER

– HOWARD, OH

Trades Offered:

- Construction Laborers

Counties Served: (11 counties)

- Adams, Athens, Gallia, Highland, Jackson, Lawrence, Meigs, Pike, Ross, Scioto, Vinton

Compensation:

• Heavy Highway Laborers:

- Wage: \$35.52/hr
- Benefits: \$14.60/hr
- Total Compensation: \$50.12/hr

• Pipeline Laborers:

- Wage: \$38.15/hr
- Benefits: \$14.10/hr
- Total Compensation: \$52.25/hr

• Local Building Agreement:

- Wage: \$40.97/hr
- Benefits: \$14.24/hr
- Total Compensation: \$55.21/hr

Focus:

- Measuring and leveling instruments, introduction to transits, pipelaying, mason tending, burning, carpenter tending, pneumatic tools, small engines/powered tools, asphalt and traffic control, concrete placement, traffic control supervision, asbestos and lead abatement, rigging, skid steer and forklift operation, scaffold building, basic welding, solar farm construction, ICRA, hazardous waste training.

Capacity & Graduation Output:

- **Average Graduates per Year:** 15
- **Maximum Capacity:** 25 *(with ability to expand based on need)*
- Operating **below capacity** due to the demand level.

Higher Education Partnership:

- Partnered with **Cuyahoga Community College**.
- Apprentices receive **college credit** for training.

Certifications Offered:

- OSHA 10 & 30, First Aid, CPR, Hazardous Waste Training, Scaffold Builder, ICRA, STP.

OHIO OPERATING ENGINEERS – LOGAN CENTER – LOGAN, OH

Trades Offered:

- Operating Engineers, Maintenance Technicians

Counties Served: (23 counties)

- Athens, Crawford, Delaware, Fairfield, Franklin, Gallia, Hocking, Jackson, Knox, Lawrence, Licking, Marion, Meigs, Morgan, Morrow, Muskingum, Perry, Pike, Pickaway, Ross, Union, Vinton, Wyandot

Compensation:

- **Operating Engineers:** Wage \$44.14/hr, Benefits \$16.60/hr, Total \$60.74/hr
- **Maintenance Technicians:** Varies (field wages similar to Operating Engineers; shop wages lower depending on position)

Skills:

- **Operating Engineers:** Machines, Mechanics, Forklift, CDL, OSHA 10-STP, Signal Person Qualification, Skid Steer, Labor History, Trench Safety. Industrial and Rough Terrain Forklift Certification, Skid Steer Certification.
- **Maintenance Technicians:** Principles of Diesel Engines, Support Equipment Repair (small engines, compressors, pumps, generators, welders, chain saws), Electrical Systems, Hydraulic & Air Brake Systems, Power Trains, Shop Operations, Engines & Components, Final Drives, Electrical Systems, Welding Processes, Crane Assembly & Disassembly, Excavator Hydraulic Systems, Line Boring, Engines, GPS Overview & Diagnosis.

Capacity & Graduation Output:

- **Average Graduates per Year:** 100
- **Maximum Capacity:** Unlimited (scalable depending on the ability to hire instructors)
- Currently **not at full capacity** due to the demand level.

Higher Education Partnership:

Partnerships with:

- **Hocking College** for the Heavy Equipment Management Program.
- **Columbus State Community College** (39 credit hours with articulation).
- **Buckeye Hills Career Center, Collins Career Center, New Lexington Workforce Center, Eastland Career Center** for Diesel Mechanics Program.

Certifications Offered:

- Asphalt paving/milling, crane operations (Crane I, II, Tower, Luffing, Rigging), pile driving, signal person, directional drilling, drones in construction, CDL/driver training, first aid/CPR/AED, forklift & skid steer (incl. refresher), GPS grade control, grading/planes, HAZWOPER, MSHA, OSHA 10/30 STP, trench & excavation safety, hydro excavating, infection control, welding, remote control equipment, solar field post pounding, support equipment maintenance, certification exams (OECP).

PLUMBERS AND PIPEFITTERS LOCAL 577 JATC

– PORTSMOUTH,
OH

Trades Offered:

- Industrial & Commercial Plumbers, Pipefitters, Welders, Service Technicians

Counties Served: (9 counties)

- Adams, Athens, Gallia, Highland, Jackson, Lawrence, Pike, Scioto, Vinton

Compensation:

- **Industrial Plumber/Pipe fitter/Welders/Service Technicians:**
 - Wage \$41.65/hr
 - Benefits \$27.60/hr
 - Total \$69.25/hr
- **Commercial Plumber/Pipe fitter/Welders/Service Technicians:**
 - Wage \$37.89/hr
 - Benefits \$27.60/hr
 - Total \$65.49/hr

Skills:

- Plumbing, pipe fitting, welding, rigging, instrumentation, backflow certification, medical gas installation.

Capacity & Graduation Output:

- **Average Graduates per Year:** 15
- **Maximum Capacity:** 25 *(with ability to expand based on need)*
- Operating **below capacity** due to the demand level.

Higher Education Partnership:

- Partnered with **Owens Community College**.
- Apprentices receive **college credit** for their apprenticeship program.

Certifications Offered:

- Advanced OSHA, rigging, and instrumentation.

ELECTRICAL TRAINING ACADEMY

– PORTSMOUTH,
OH

Trades Offered:

- Inside Electrician
- Limited Energy Technician

Counties Served: (10 counties in Ohio)

- Adams, Fayette, Highland, Hocking, Jackson, Pickaway, Pike, Ross, Scioto, Vinton.

Compensation:

- **Inside Electrician:**
 - Wage: **\$38.00/hr**
 - Benefits: **\$21.12/hr**
 - Total Compensation: **\$59.12/hr**
- **Limited Energy Technician:**
 - Wage: **\$32.37/hr**
 - Benefits: **\$14.25/hr**
 - Total Compensation: **\$46.62/hr**

Skills

- **Inside Electrician:** Electrical Theory and Principles, circuitry, National Electrical Code (NEC), code compliance, blueprint reading, wiring and installation, troubleshooting and diagnostics, safety protocols and hazard preventions, tool and equipment proficiency, Smart technology integration, fire alarm systems, and more.
- **Limited Energy Technician:** Low Voltage systems, telecommunications, security systems, fire alarm systems, audio/visual technology, cable management, fiber optic installation, building automation, blueprint interpretation, testing and certification, code compliance, troubleshooting methodologies, and more.

Capacity & Graduation Output:

- **Average Graduates per Year: 12**
- **Maximum Capacity: 500** (*with changes in the format in training, the appropriate additional resources, and instructors*)
- Currently operating **below capacity** due to the demand level.

Higher Education Partnership:

- Partners with **Northwest State Community College** to offer college credit.
- Apprentices can take additional classes to earn a degree.

Certifications Offered:

- OSHA 10, OSHA 30, First Aid/CPR/AED, Welding, Ohio Fire Alarm, Kentucky Journeyman Exam, Continuing Education classes for contractors and journey-level workers, which include NFPA 70E, NEC Code Changes, and other necessary industry updates.

RECRUITMENT AND OUTREACH

Common Strategies Across All Centers:

- Social media, web advertising
- TV, newspaper, and radio ads
- High school outreach
- Participation in job fairs
- Word-of-mouth referrals
- Open houses

Examples of Unique Recruitment Approaches:

- In-person outreach to unions, businesses, nonprofits, and local educational institutions.
- Presentations at vocational schools (e.g., welding schools) to attract apprentices.
- Partnerships with rehab and counseling centers, supporting recovery-to-career transitions.
- Billboard campaigns to enhance program visibility in key areas.
- High school pre-apprenticeships and multi-craft trade pre-apprenticeship programs.
- Lunch and learns events, and contractor lunch and learns events.

LIST OF ACRONYMS USED

- **Training Programs & Organizations**
 - **ACE** – Appalachian Career Empowerment
 - **IKORCC** – Indiana/Kentucky/Ohio Regional Council of Carpenters
 - **JATC** – Joint Apprenticeship and Training Committee
 - **STP** – Safety Training Passport
- **Certifications & Safety Training**
 - **AED** – Automated External Defibrillator
 - **CPR** – Cardiopulmonary Resuscitation
 - **HAZWOPER** – Hazardous Waste Operations and Emergency Response
 - **ICRA** – Infection Control Risk Assessment
 - **MSHA** – Mine Safety and Health Administration
 - **NEC** – National Electrical Code
 - **NFPA** – National Fire Protection Association
 - **OSHA** – Occupational Safety and Health Administration
- **Other Technical/Industry Terms**
 - **DSI** – Door Safety Inspector
 - **GPS** – Global Positioning System