

EQUIPMENT OPERATORS AND ENGINEERS

Renewable Energy Projects: Clear and grade land for wind turbines, solar panels, battery storage facilities; move large structures (turbine blades, solar panels)

Environmental Remediation: Operate power construction equipment, excavation and loading machines to remove pollution/contaminants from water and soil

Safety Knowledge: Hazardous waste disposal for environmental remediation, understanding of energy generation technologies, components, and site layouts

Emerging Technologies: Use smart equipment with predictive maintenance, operate electric/hybrid/hydrogen fuel cell machinery, interpret equipment data



TRAINING & LICENSING

No state license required, but high school diploma typically required

Maine Training Providers:

- Maine Community College System
- 2 Registered Apprenticeship programs
- Union Training: IUOE Local 4 (covers all of Maine; training centers in Canton, ME and Medway, MA)
- Construction Industry Associations

Typical Training: A few months to 1 year, usually working under experienced employees

CERTIFICATIONS

Core Certifications

- OSHA 10 and 30
- Driver's License, CDL-A and CDL-B
- NCCER

Clean Energy Certifications

- **HAZWOPER:** Safe hazardous materials handling for environmental remediation (OSHA-operated)
- **PVIP Board Certification:** Decision-making role in solar installation (NABCEP; requires 10 hrs OSHA + 58 hrs advanced training + installations)

DEMAND

METRIC	MAINE
Total Employment (2022)	2,405
Clean Energy Employment (2022)	265
Annual Openings	194
Projected Growth (2022-2032)	13.2% (CE)
Projected CE Jobs Added	486

WAGES

10TH PERCENTILE	\$39,000 (vs. \$31,620 all occupations)
MEDIAN	\$51,020 (7% above state average; exceeds living wage for 1 child families)
90TH PERCENTILE	\$68,460



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[MAINECLEANENERGYJOBS.COM](https://www.maineCLEANENERGYJOBS.COM)