

ELECTRICIANS

Energy Efficiency: Install heat pumps, install ENERGY STAR® lighting/appliances, retrofit buildings, upgrade circuitry for advanced systems

Solar Power: Install solar panels; handle wiring, inverters, batteries, mounting systems, grid connection, system layout design

Wind Energy: Focus on turbine electrical systems, high-voltage work, supervisory control and data acquisition systems

Grid Modernization: Install smart meters, communication devices, advanced sensors, battery storage systems

EV Infrastructure: Install, pre-wire, upgrade Level 1-3 EV chargers



TRAINING & LICENSING

Required State Licensing (5 levels):

- **Helper Electrician:** Entry-level
- **Limited Electrician:** 2,000 hours + 135 classroom hours
- **Journeyman-In-Training:** Requires community college completion and 2,000 hours
- **Journeyman:** 8,000 hours + 576 classroom hours (3 pathways available)
- **Master Electrician:** 12,000 + 576 classroom hours (estimates 6 years of full-time work)

Maine Training Providers:

- Maine Career & Technical Education
- Maine Community College System
- 62 Registered Apprenticeship programs, and counting
- Union Training: IBEW Local 567, 1253, and 490
- 80+ approved electrical training programs
- Construction Industry Associations

CERTIFICATIONS

Core Certifications

- OSHA 10 and 30
- NABCEP Certification
- Driver's License, CDL-B
- NCCER
- EPA Universal Certification

Clean Energy Certifications

- **GPRO Green Electrical:** Green buildings and sustainability in electrical systems (available at SMCC)
- **Certified Renewable Energy Professional (REPTM):** Solar, wind, geothermal, energy storage expertise
- **LEED Green Associate:** Green building principles

DEMAND

METRIC	MAINE
Total Employment (2022)	3,723
Clean Energy Employment (2022)	374
Annual Openings	327
Projected Growth (2022-2032)	14.8% (CE)
Projected CE Jobs Added	729

WAGES

10TH PERCENTILE	\$47,390 (vs. \$31,620 all occupations)
MEDIAN	\$61,970 (30% above state average; exceeds living wage for 1-2 child families)
90TH PERCENTILE	\$80,010



Learn more at
[MAINECLEANENERGYJOBS.COM](https://www.maineCleanEnergyJobs.com)