

# Energy, Construction & Utilities (ECU)

**Far North** Region Workforce & Training Opportunity Profile, 2019

The **Far North** region had more than **40,000 ECU** jobs across a variety of industries in 2019.

**ECU** jobs in the **Far North** region are projected to grow **7%** over the next 5 years.

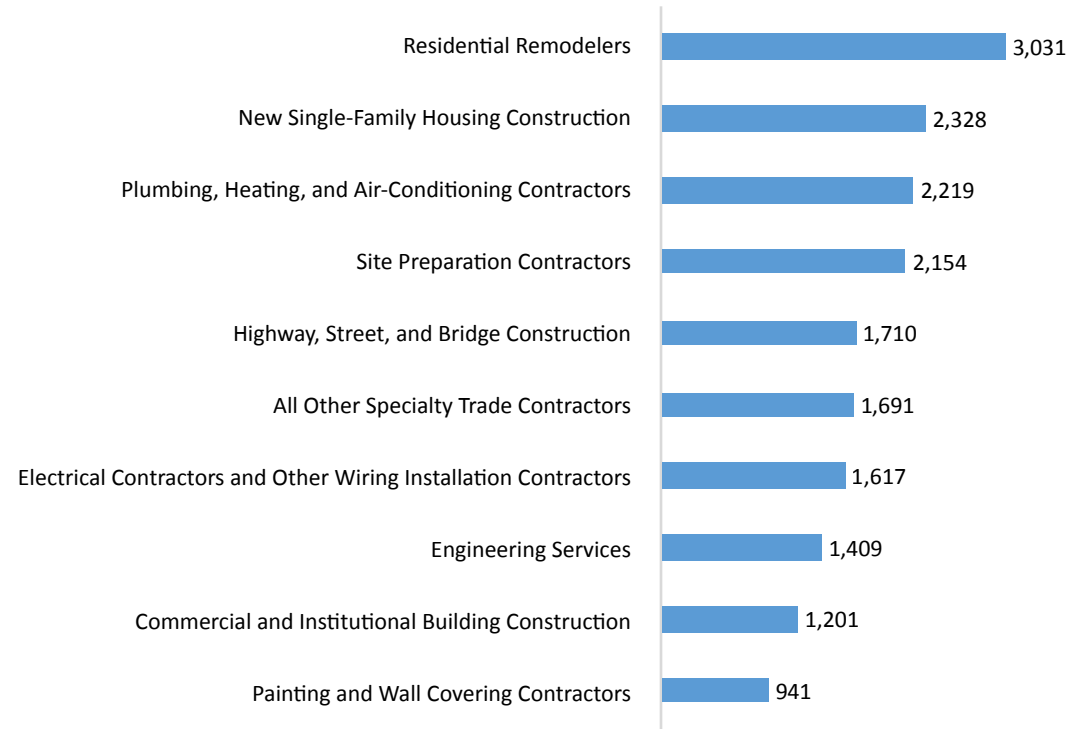
Source:

EMSI. 2019.4, QCEW and Non-QCEW employees, and self-employed.

15-county Far North region includes Butte, Colusa, Del Norte, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Plumas, Shasta, Sierra, Siskiyou, Tehama, and Trinity.

Industries represent NAICS 221, 236, 237, 238, 333, 334, 335, 517, 541

These **Far North** industries held the most **ECU** jobs in 2019



Last year there were

**1,508** job postings for  
**ECU jobs in the Far  
North region.**

Last year, **Far North** region employers had the hardest time filling these positions:

Job Title	Number of Job Postings	Time to Fill
Electricians	57	42 days
Construction managers	17	49 days
Welders, Cutters, and Welder Fitters	17	40 days

Last year, these occupations had the most job postings in the **Far North** region:

Job Title	Number of Job Postings	Demand
Electricians	57	Medium
Construction managers	17	Medium
Welders, Cutters, and Welder Fitters	17	Medium
Rough Carpenters	14	Medium
Electro-Mechanical Technicians	12	Medium

Source:

Burning Glass, Labor Insight, 2019.4. 15-county Far North region . Industries represent NAICS 221, 236, 237, 238, 333, 334, 335, 517, 541.

These **Far North** region employers had the most job openings last year:

- PG&E
- Bureau of Reclamation
- Bureau of Land Management
- UGI Utilities
- Jacobs Engineering Group
- Verizon
- AECOM Technology

**Far North** region employers are looking for workers with these skills:

- Customer service/customer contact
- Repair
- Budgeting
- Project management
- Quality assurance and control
- Lifting ability
- Construction management
- Electrical work
- Personal protective equipment (PPE)
- Forklift operation
- Welding
- Civil engineering
- Occupational health and safety
- Schematic diagrams

Source:

Burning Glass, Labor Insight, 2019.4. 15-county Far North region . Industries represent NAICS 221, 236, 237, 238, 333, 334, 335, 517, 541.

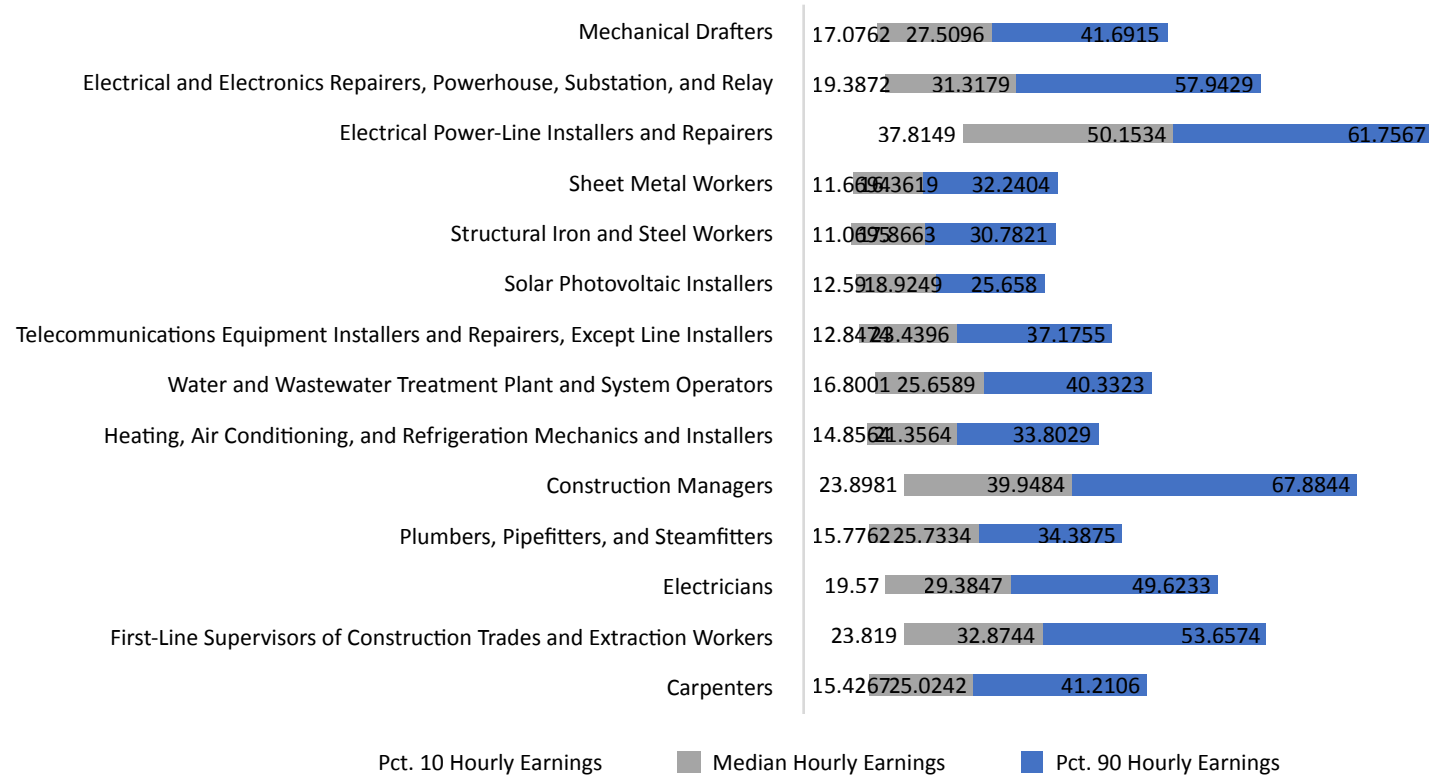
## ECU Annual Openings and Education requirements, Far North region

Occupations	Annual Openings, 2019-2024	Education level
Carpenters	344	HS diploma + Apprenticeship
First-Line Supervisors of Construction Trades and Extraction Workers	168	HS diploma
Electricians	167	HS diploma + Apprenticeship
Plumbers, Pipefitters, and Steamfitters	114	HS diploma + Apprenticeship
Construction Managers	102	Bachelor's degree
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	90	Postsecondary nondegree award
Water and Wastewater Treatment Plant and System Operators	81	HS diploma
Telecommunications Equipment Installers and Repairers, Except Line Installers	56	Postsecondary nondegree award
Solar Photovoltaic Installers	33	HS diploma
Structural Iron and Steel Workers	27	HS diploma + Apprenticeship
Sheet Metal Workers	22	HS diploma + Apprenticeship
Electrical Power-Line Installers and Repairers	20	HS diploma
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	11	Postsecondary nondegree award
Mechanical Drafters	6	Associate's degree
Electrical and Electronics Drafters	5	Associate's degree

Source:

EMSI, 2019.4, QCEW and Non-QCEW employees and self-employed, 15-county Far North region.

## ECU Wage Ranges Far North region



Source:

EMSI, 2019.4, QCEW and Non-QCEW employees and self-employed, 15-county region

## Where can I find training for **ECU** Careers?

### Programs Offered in the **North** region:

- Architectural Drafting
- Carpentry
- Civil Drafting
- Construction Crafts Technology
- Construction Inspection
- Drafting Technology
- Electrical
- Energy Systems Technology
- Mill and Cabinet Work
- Water and Wastewater Technology

### **Far North** region community colleges:

Butte (logo)

Mendocino

Redwoods

Shasta

Source:

California Community Colleges Chancellor's Office  
Management Information System, DataMart