

Advancing Clean Energy Workforce Development through Registered Apprenticeships

Objectives:

- Registered Apprenticeships: a model for long-term strategic workforce development
- Successful examples & insights from industry leaders
- Tools & resources for clean energy employers



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A workforce solution for clean energy

Registered Apprenticeships are a key solution to develop, scale and sustain the pipeline of highly qualified talent needed to keep pace with accelerating clean energy workforce needs.

Key Components of Registered Apprenticeships

-  **Paid Job:** apprentices are paid employees who produce high-quality work while they learn skills that enhance their employers' needs
-  **On-the-Job Experience:** develops skilled workers through structured learning in a work setting
-  **Related Learning:** job- knowledge through classroom instruction
-  **Mentorship:** a skilled worker supports, enhances critical hands-on learning
-  **Credentials:** offers a portable, nationally-recognized credential to be issued upon completion of the program

Apprenticeable Occupations

- Carpenter (Pile Driver)
- Construction Craft Laborer
- Electrician (Interior)
- Electrician (Lineworker)
- Electrician (Residential)
- Iron Worker (Structural)
- Roofer
- Operating Engineer
- Mechanical Engineer
- Operations Manager
- Software Developer
- Project Manager
- Technical Sales Representative
- Maintenance Repairer

Discussion:

Examples & Insights from Industry Leaders



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Resource:

Registered Apprenticeships Toolkit for Clean Energy Employers

- Key components of apprenticeship programs
- Meeting federal & state requirements
- A step-by-step guide to get started
- Additional resources



Resource:

National Guideline Standards of Apprenticeship

- IREC & SEIA developing standards to align existing DOL-approved occupations with solar industry needs
- Occupations:
 - Construction Craft Laborer: approved & available
 - Electrician: currently pending approval by US DOL
 - Technical Sales Standard: in progress





GREEN WORKFORCE CONNECT



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Electrical Apprenticeship Program

Freedom Forever—Texas 🧑🏻‍🔧 In-Person, Hybrid

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Freedom Forever's apprenticeship for electricians provides employees with 8,000 hours of on-the-job learning plus 576 hours of related instruction using Mike Holt Enterprises' curriculum and in-house training. Freedom also participates as an employer sponsor for other apprenticeable trades. Freedom Forever is the first national residential solar installation company to receive National Guidelines for Apprenticeship Standards (NGS) approval of its electrician apprenticeship program.

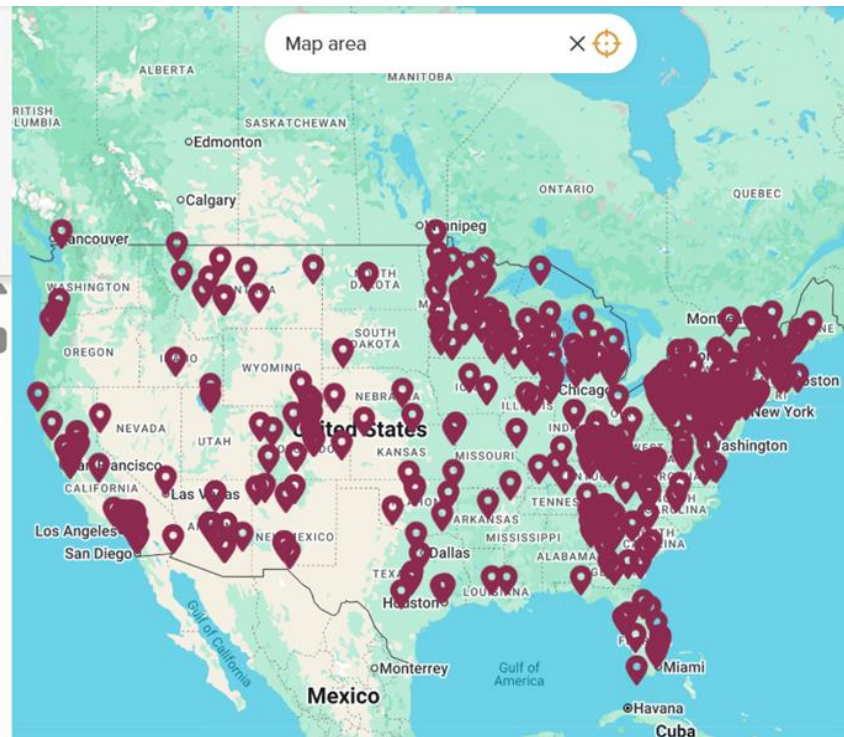
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- Registered apprenticeship resources
- Case Studies & examples from the clean energy industry
- Technical assistance to design and launch new programs
- Regional training and workforce partnerships

