CEWD Mission
Build the alliances, processes, and tools to develop tomorrow’s energy workforce

Career Awareness  Education
Industry Solutions – Regional Implementation
Workforce Planning and Metrics  Structure and Support
CEWD Strategies

Career Awareness
Increase awareness among students, parents, educators and non-traditional workers of the critical need for a skilled energy workforce and the opportunities for education that can lead to energy careers.

Education
Create clearly defined education solutions that link industry-recognized competencies and credentials to employment opportunities and advancement in the energy industry.

Workforce Planning
Balance the supply and demand for a qualified and diverse energy workforce.

Structure and Support
Organize the energy industry workforce development efforts to maximize the effectiveness of national, state and individual company initiatives.

Resources for Consortia

Career Awareness
- Get Into Energy Website
- Toolkits for Target Audiences
- Career Material that can be co-branded
- Resources / Best Practices from other consortia

Education
- Promising Practices
- Sources for curriculum
- Grant identification and support
- Credentialing support

Workforce Planning & Metrics
- Workforce Survey Reports
- Demand Reports
- Supply Reports
- WFD Evaluation Toolkit

Structure and Support
- Start up support
- Planning Support
- GIE Career Pathways
- Partnerships and alliances
- Webinars and Newsletters
Potential Replacements by 2015

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Number (2015)</th>
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<tbody>
<tr>
<td>Lineworkers</td>
<td>30,800</td>
</tr>
<tr>
<td>Technicians</td>
<td>27,800</td>
</tr>
<tr>
<td>Nuclear Engineers</td>
<td>25,000</td>
</tr>
<tr>
<td>Plant Operators</td>
<td>16,400</td>
</tr>
<tr>
<td>Natural Gas Techs</td>
<td>12,300</td>
</tr>
<tr>
<td></td>
<td>8,900</td>
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</tbody>
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Career Pathways

- Targeted Outreach and Support
  - Youth
  - Military
  - Women
  - Low Income Young Adults
  - Transitioning Adults

- Work Ready Bootcamps
  - Lineworker Bootcamp
  - Nuclear Workforce Bootcamp

- Job Specific Bootcamps
  - Apprentice for College Credit
  - Non-Nuclear Generation Accelerated Associate Degree

- Tiers 1-5 credentials
- NCRC
- Energy Employability
- Industry Fundamentals

- Job Specific Apprenticeships and Credentials
  - Utility Technician Accelerated Associate Degree or Associate Degree
  - Apprentice for College Credit
  - Non-Nuclear Generation Accelerated Associate Degree or Associate Degree
  - Nuclear Uniform Curriculum Degree
Stackable Credentials

Tier 6–8 Job Specific Skills/Credentials
- Associate Degree
- Boot Camp / Apprenticeship for College Credit
- Accelerated Associate Degree

Tier 4–5 Industry Fundamentals
- Energy Industry Fundamentals Certificate

Tier 1–3 Basic Training
- Energy Industry Employability Skills Certificate
- National Career Readiness Certificate

Energy Competency Tier Model for Skilled Technician Positions in Energy Efficiency, Energy Generation and Energy Transmission and Distribution

Measuring Progress: Key Performance Indicators

Students
- Percentage passing each stage of screening

Education
- Number of students enrolled in pipeline programs
- Number of students completing pipeline programs

Industry
- Planned and actual entry level hires
- Planned and actual experienced hires
- Attrition by tenure – retirement and other
State Energy Workforce Consortia

Defined Career Pathways Bring Value

- Industry: Demand
  - Employers: Sustainable workforce, Qualified workforce, Flexible workforce

- Education: Supply
  - Educators: Clear industry expectations, Industry support, Sustainable programs

- Potential Applicants: Skills
  - Students: College credit, Tailored support, Transportable skills, Stackable credentials
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