







CEWD OVERVIEW

The Center for Energy Workforce Development (CEWD) is a non-profit consortium of energy companies, contractors, associations, unions, educators, and business partners working together to ensure a skilled, diverse workforce pipeline to meet future industry needs.

CEWD harnesses the power of a united industry to advance shared workforce development priorities.







CEWD IS PROUDTO COLLABORATE WITH THESE ASSOCIATION PARTNERS













CEWD goals



Career Awareness

• CEWD will strengthen awareness and promote the merits of 21st-century clean energy careers.

Increasing Diversity

• CEWD will support the development of a more diverse, equitable, and inclusive energy workforce.

Enhancing Skills

 CEWD will support companies developing employees in increasingly technical and dynamic energy careers.

Supporting Workforce Development Professionals

 CEWD will support the industry's commitment to fostering modern-day work cultures that attract and retain diverse, talented professionals.

THE BIG CONVERSATIONS OF 2022

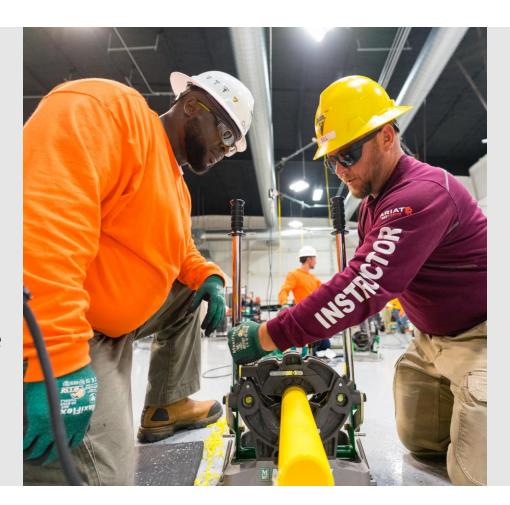


Diversity, Equity, and Inclusion

Re-Skilling and Upskilling

Decarbonization and the Future of the Energy Workforce

Infrastructure and the Energy Workforce





Finding Enough Talent!

Training – AR, VR, Digitalization, etc.

The Great Resignation

Workforce Planning

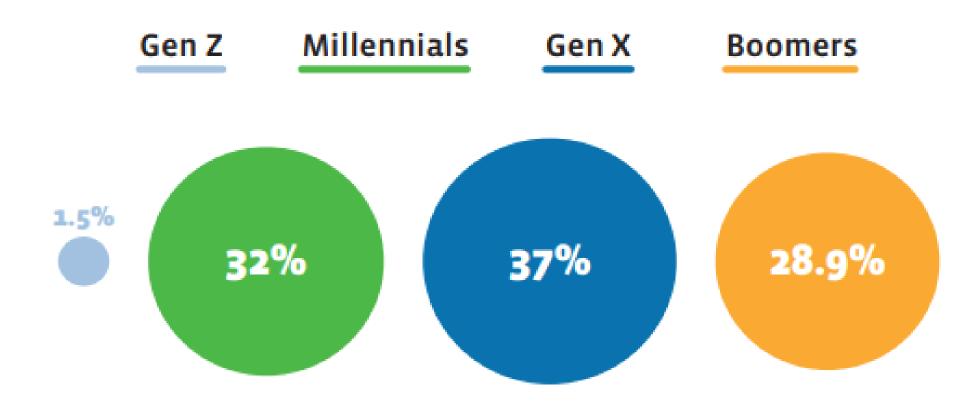
THE ENERGY WORKFORCE

Current State



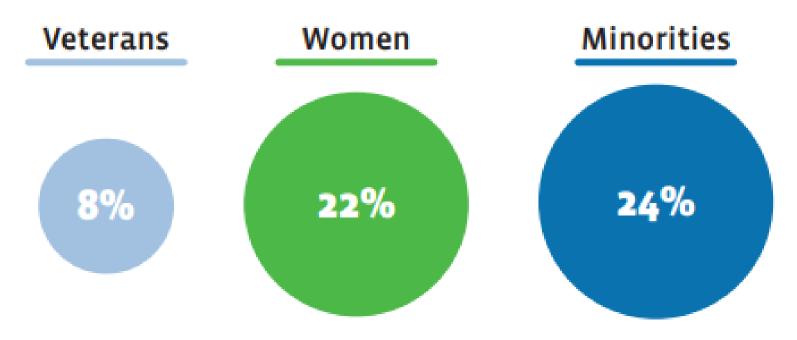
THE ENERGY WORKFORCE IS GETTING YOUNGER

WORKFORCE AGE

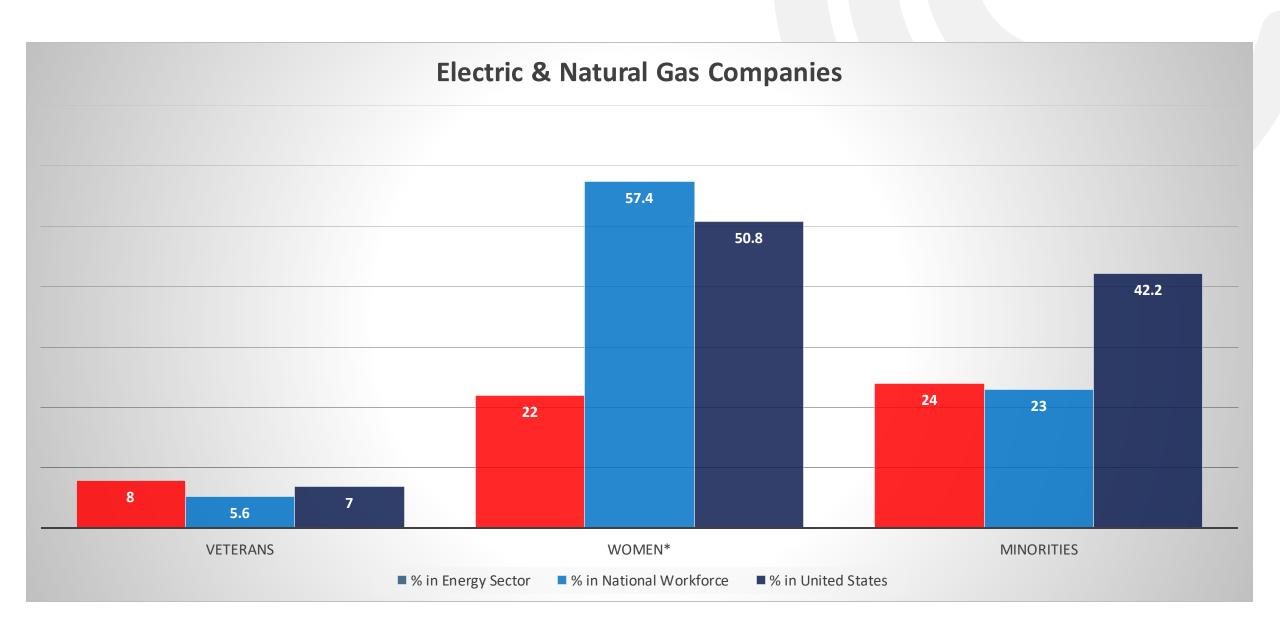


ENERGY EMPLOYERS ARE FOCUSED ON DIVERSITY, EQUITY, AND INCLUSION

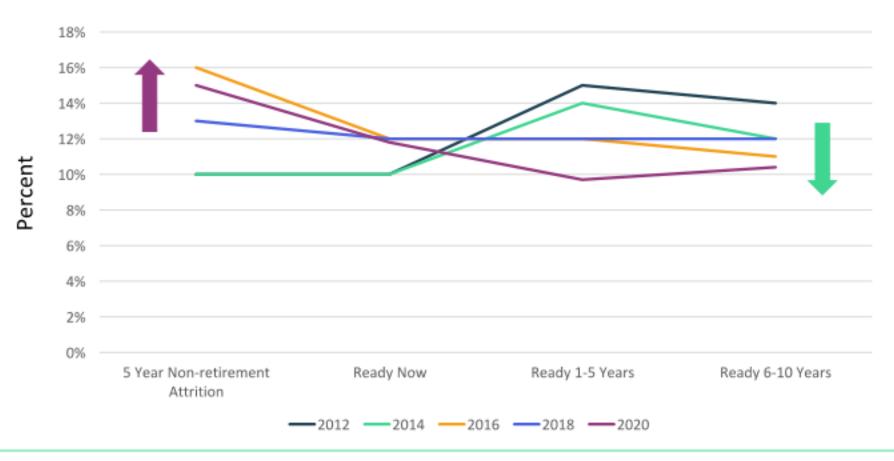
ELECTRIC & NATURAL GAS COMPANIES WORKFORCE COMPOSITION



WORKFORCE COMPOSITION DATA*



Electric & Natural Gas Utilities Attrition Over Time – Total Company





Electric & Natural Gas Utilities Non-Retirement Attrition

Less than 5 Years of Service

6 to 10 Years of Service

More than 10 Years of Service



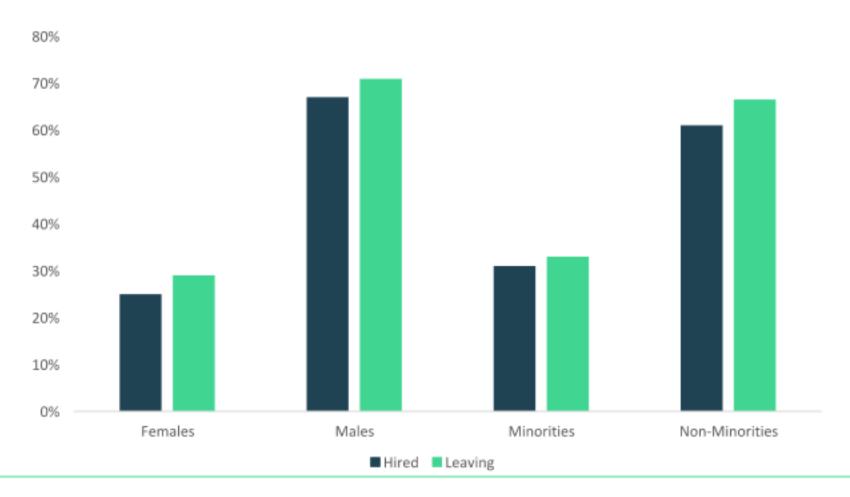






Are we making progress?

In 2020 on a Total Company basis, more employees are leaving than are being hired.





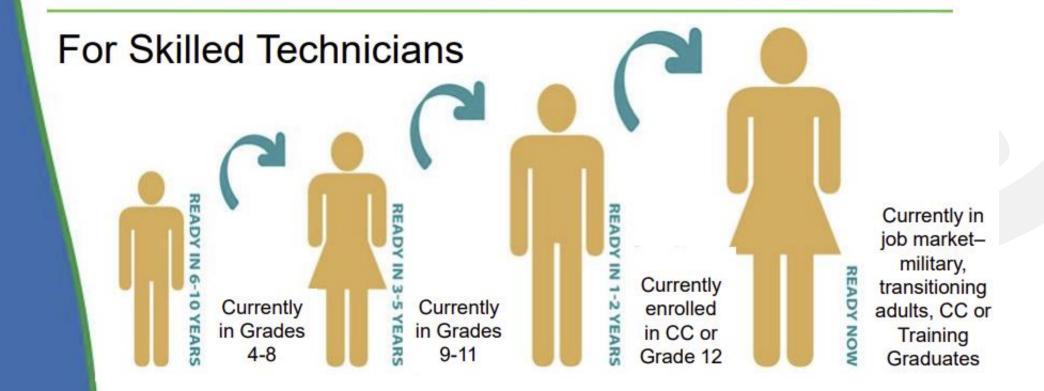
ATTRACTING A SKILLED, DIVERSE ENERGY WORKFORCE



ENERGY INDUSTRY CHALLENGES

- Career Awareness
 - Students
 - Veterans
 - Job Seekers/CareerChangers
- Attracting a diverse workforce
 - Reaching untapped resources
- Retention





For engineers and other positions that require a bachelor's degree, students who will fill positions 6-10 years out are already in High School

HOW TO FIND TALENT

- Up your social media game/career awareness strategy
- Have your youngest (coolest) workers attend career fairs and visit schools
- Partner with community-based organizations
- Collaborate with MSIs
- Connect with your workforce development boards
- Recruit from your backyard / local high schools, churches
- Consider veterans
- Message and recruit differently!







More than seven million Americans work in energy careers that power our country and our lives. They transform things like natural gas, coal, uranium, water, sun and wind into energy.
This essential work requires a multitude of competencies and expertise from a skilled, diverse workforce,

ENERGY PROFESSIONALS WORK IN:

- Skilled trade positions Technical operations
- * Business and engineering roles

Over 3.4 million jobs are connected to the direct use of natural gas in the United States and over 83 percent of this employment happens within local communities.*

WHAT IS NATURAL GAS AND **HOW DOES IT BECOME ENERGY?**



- Natural gas is the earth's cleanest fossil fuel and is colorless and odorless in its natural state It is composed of four hydrocarbon atoms and one carbon atom (CH, or methane).



Natural gas becomes energy in many ways. It can be used as a source for heating, cooking, and drying products in a residential or small business setting. It can also be used as a source for power generation, transportation of vehicles and small equipment, as well as used with process heating of raw materials.

Natural gas comprises almost one-fourth of all primary energy used in the U.S. and is directly linked to jobs and economic health.

WHAT ARE THE BENEFITS OF CAREERS IN THE NATURAL GAS SECTOR?

A study published in early 2020** found that the natural gas industry and construction of natural gas infrastructure – both union and non-union – provided:



For more information, visit GetIntoEnergy.com



POWERS LIFE.

Households business education healthcare travel and many of our favorite pastimes are made possible by the energy industry. Its professionals are problem solvers and critical thinkers who work in their communities to actually keep the lights on!

Gender diversity is high on the agenda in the power generation, transmission, and distribution industries. Energy is an evolving industry constantly supporting the continuously growing demand and supply of power to homes, schools, hospitals, and workplaces. With so many challenges here is a call for innovative approaches, which is why diversity is so important.

Energy companies support the "grow your own" philosophy. Not only do they prefer hiring within their own communit but they support advancement of their employees. The industry's employers recognize that the more diverse work teams, the stronger their companies will be.

FAST FACTS ABOUT ENERGY INDUSTRY EMPLOYMENT

- The energy industry supports 7 million jobs.
- Energy employers involved with electricity expect to hire more than 215,000 people
- programs offered by energy companies
- Average compensation for key industry jobs is \$75,000. Many pay much more.
- Energy companies offer tuition mbursement should a position require an
- advanced credential or degree. Many industry careers focus on
- The world will always need energy and,
- as a result, the energy industry offers the opportunity for a long and stable caree



ENERGY IS AN EVOLVING INDUSTRY

orporate ladders? In the energy industry women can do both!

THE ENERGY INDUSTRY

POWERS LIFE.

The Energy Industry is Actively Seeking

for Mission-Focused, Goal-Driven Careers

Business, education, healthcare, travel, and many of our favorite pastimes are made possible by the energy industry. Its professionals are in high demand as problem solvers and clean energy transition.

They are highly trained, highly skilled first responders who rebuild infrastructure and restore power following storms and natural disasters, and they protect and maintain electric grid and gas pipelines essential to the way we live.

Veterans are uniquely suited for a second career in the energy industry, as they are self-motivated, disciplined, outcomedriven, and safety-conscious.

protect national security through the production of safe our lives and economy.

FAST FACTS ABOUT ENERGY INDUSTRY EMPLOYMENT

- Veterans represent almost 10% of the energy industry's workforce.
- Employees with military training are in high demand, and most industry companies proudly sponsor veterans resource groups
- The energy industry supports 7 million jobs and hundreds of apprenticeship programs, many offering earn and learn potential.
- Energy employers involved with generating and transmitting electricity expect to hire more than 215,000 people over the next
- Average compensation for key industry jobs is \$75,000. Many pay much more.
- Today's energy sector is heavily reliant on technology proficiency.
- Many industry careers focus on environmental stewardship



THINKERS & TINKERERS WANTED: An Industry of Opportunity

We need outdoor enthusiasts, doors, gadgeteers, creators, fixers, scientists, environmentalists, and those who bring a host of other talents to America's energy sector. There's an especially high demand for lineworkers, utility technicians, gas technicians, engineers, welders, drivers contractors, and many other key positions.

Get into Energy **GET INTO**

More than seven million Americans work in energy careers that power our country and our lives. They transform things like natural gas, coal, uranium, water, sun and wind into energy. This essential work requires a multitude of competencies an expertise from a skilled, diverse workforce.

ENERGY PROFESSIONALS WORK IN:

- Skilled trade positions
- Technical operations
- Business and engineering roles

Nearly 100,000 of these employees work in high-quality, long-term jobs in nuclear energy.

WHAT IS NUCLEAR ENERGY?

electric grid 24/7.



 Nuclear energy comes from splitting atoms in a reactor to heat water into steam, turn a turbine and generate electricity.

vithstand extreme weather, supporting the

- · Ninety-four nuclear reactors in 28 states
- generate nearly 20 percent of the nation's electricity. These plants are always on, welloperated to avoid interruptions and built to



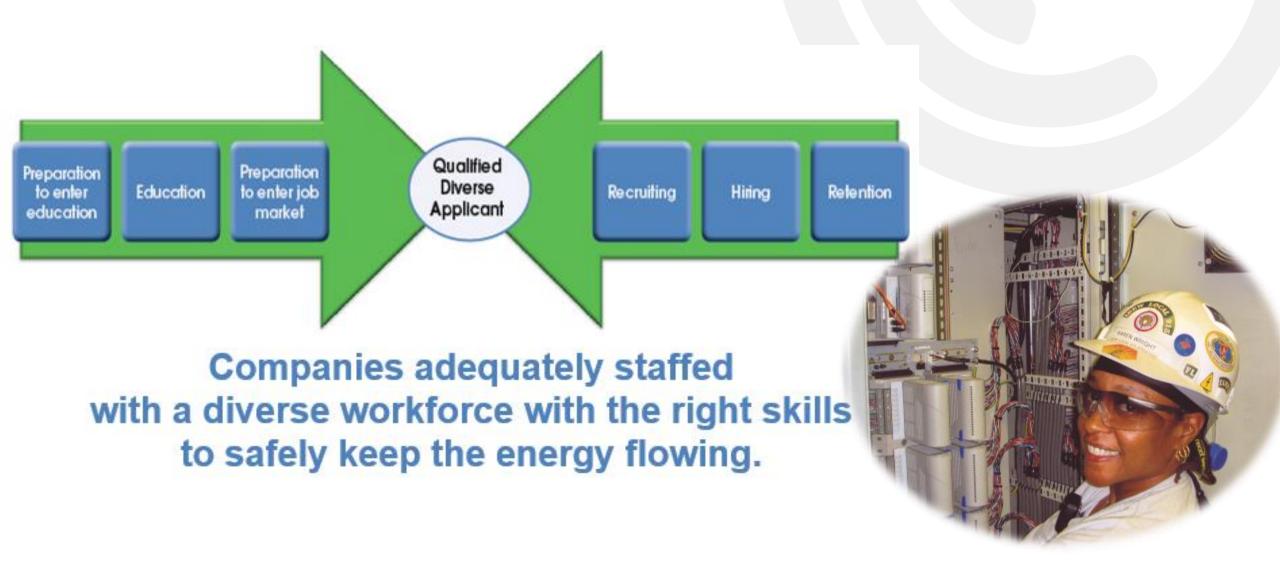


WHAT ARE THE BENEFITS

OF CAREERS IN NUCLEAR?

For more information or to explore jobs in nuclear, visit GetIntoEnergy.com

BUILDING A DIVERSE, QUALIFIED TALENT PIPELINE



SELECT CEWD INITIATIVES

- Sharable collateral
- Troops to Energy Jobs Initiative
- Multi-year partnership with National Urban League
- Collaboration with Autism Speaks
- Collaboration with National Association of Workforce Boards
- Speaking and exhibiting at shows that matter
- Hosting virtual national career events
- Advocating for energy to be recognized as 17th Career Cluster
- Recruitment toolkits



WHAT ARE ENERGY COMPANIES DOING?

- Energy Academies
- Energy Career Pathways CTE
- Summer Camps
- Job Shadows
- Summer Internships
- Engaging with MSI
- SkillsBridge
- Partnering with community-based organizations
- Participate/leverage consortia efforts



ENERGY WORKFORCE CONSORTIA

What can we do better together than a part





QUESTIONS



THANKYOU



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