


Session 6--Presentation Thumbnails

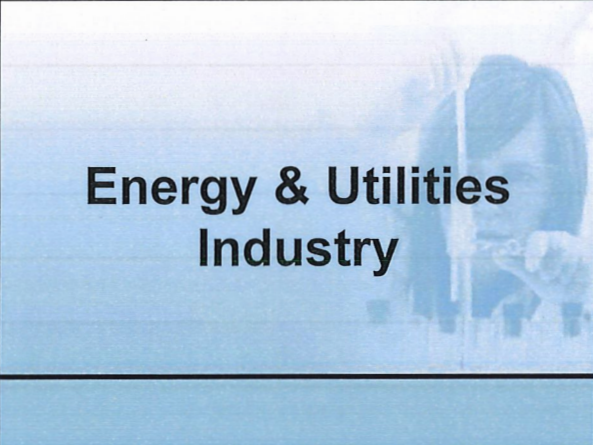
WISE Pathways

Women in Sustainable Employment

Building awareness of careers in construction, energy, and manufacturing for women.

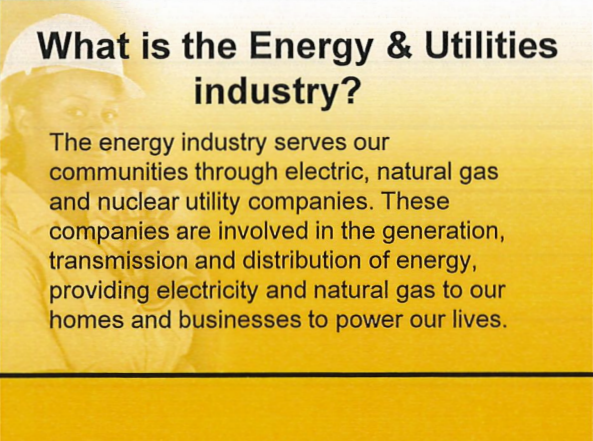


Energy & Utilities Industry



What is the Energy & Utilities industry?

The energy industry serves our communities through electric, natural gas and nuclear utility companies. These companies are involved in the generation, transmission and distribution of energy, providing electricity and natural gas to our homes and businesses to power our lives.



Power Plant Operator:

What do you do?

- Regulate equipment operations and conditions such as water levels, based on data from recording and indicating instruments or from computers
- Take readings from charts, meters and gauges at established intervals, and take corrective steps as necessary

Lineworker: What do you do?

- Install necessary equipment on poles
- Climb poles or use truck-mounted buckets to reach equipment
- Identify defective devices such as fuses, switches, and wires
- Safety and use of safety equipment is critical; poles and towers have very high voltages of electricity

Lineworker: What do you do?

- Inspect and test power lines and other equipment using special reading and testing devices
- Lay underground cables

Engineering Technician: What do you do?

- Set up or operate test equipment to evaluate performance of developmental parts, assemblies, or systems under simulated operating conditions
- Provide technical assistance in resolving electrical engineering problems
- Prepare project cost or work-time estimates

Nuclear Technician: What do you do?

- Conduct surveillance testing to determine safety of nuclear equipment
- Monitor nuclear reactor equipment performance to identify operational inefficiencies, hazards, or needs for maintenance or repair
- Test plant equipment to ensure it is operating properly

Nuclear Technician: What do you do?

- Follow policies and procedures for radiation workers to ensure personnel safety
- Monitor instruments, gauges, or recording devices
- Perform testing, maintenance, repair, or upgrading of systems
- Prepare reports to communicate information

What is the NCRC?

The ACT WorkKeys National Career Readiness Certificate (ACT WorkKeys NCRC®) is an assessment-based credential issued at four levels; Platinum, Gold, Silver, and Bronze. The NCRC measures and certifies the essential work skills needed for success in jobs across industries and occupations. With an NCRC, you can:

- Build confidence that your skills meet the needs of employers
- Show prospective employers concrete proof of the skills you have
- Apply real-world use to coursework from the classroom
- Determine skill improvement and training needs
- Improve the opportunities for career changes and advancement
- Earn college credit at many institutions and reach academic goals more quickly



NCRC: Qualifying for the Credential

- A multi-level credential
- Requires scores of Level 3 or higher on three assessments:

Applied Math, Workplace Documents, Graphic Literacy

- Bronze: Level 3 or higher on each assessment
- Silver: Level 4 or higher
- Gold: Level 5 or higher
- Platinum: Level 6 or higher

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