



Presentation on a Career Cluster and Content Standards for Instruction in Energy Careers



Michigan's energy industry is one of the state's largest employers

- Includes approximately 93,000 jobs and is expected to grow 8.8% between 2012 and 2022
 - Over 1,500 new employees are hired annually between DTE Energy and Consumers Energy
 - About 50% of Michigan's utility workers are expected to leave the industry in the next 5-7 years due to retirement or normal attrition
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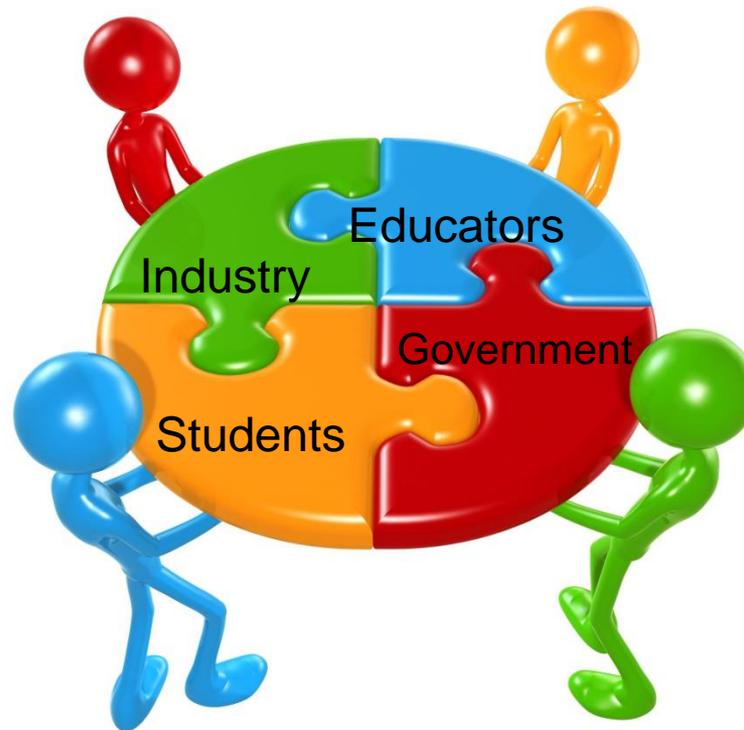
Michigan's energy companies face workforce challenges that education can help address

- Applicant qualifications are often weak
 - Lack of career awareness around the availability and benefits of skilled jobs in the energy industry
 - The education path for energy talent is not visible
 - A Career Cluster focusing on Energy is essential to meet the growing need for skilled and qualified energy industry workers
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Benefits of industry and education working together

- Clearly defined credentialing requirements for skilled technician jobs
- Efficiencies in the recruiting process and access to a larger pool of applicants who meet standards defined by the industry
- Reduced time to full productivity
- Builds talent pipeline through inclusion of energy jobs in career development plans

- Awareness of high paying lifelong careers that support our communities
- Clearly defined educational requirements for skilled careers
- Earning industry recognized credentials in an energy career pathway will improve students' opportunities for job placement



- Increasing the likelihood of success for students placement and full productivity
- Improve performance with industry by providing qualified applicants, keeping status of preferred provider
- Incentives, awareness campaigns, public recognition, and in-kind or financial support

- Students can compete on a worldwide scale
- Supports system of accountability and improves linkages between secondary and postsecondary required by Perkins Act

Partnership between educators, workforce, and employers

- The Energy Competency Model is useful for secondary teachers and postsecondary instructors to identify standards and tailor curriculum to reinforce the competencies
- The Energy industry fundamental competencies are National Standards developed by CEWD and validated by business/industry

Collaboration between education and industry

- Educators were involved in the selection and validation of standards to support the Career Cluster
- CTE administrators and community college deans agree that this is the right direction

New instructional programs in energy

- Oakland County is piloting the energy cluster standards provided by CEWD
- Livingston Education Service Agency and Calhoun Intermediate School District have expressed interest in starting a program
- Detroit Public Schools (Cody High School and Western International)

Contact Information

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