

# STEM Careers Webinar

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# Agenda



- Personal Education and Experience
- Equitrans Midstream Overview
- STEM at Equitrans Midstream
- Focus areas for student development



# Personal Education and Experience

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## Education

- Ripley High School (Ripley, WV) – Class of 1990
- West Virginia Institute of Technology (Montgomery, WV) BSEE – Class of 1994
- University of Texas at Dallas (Richardson, TX) MBA – Class of 2000

## Experience

- 21+ years in Design Engineering and Management in Telecommunications
  - MCI WorldCom – Design Engineer, Manager, Sr Manager – 1994 – 2003
  - Verizon/Frontier Communications – Vice President, Engineering – 2003 - 2015
- 7 years in Engineering Management in Natural Gas
  - EQT/Equitrans Midstream – Manager – 2015 – Present
- 28 years in a STEM-focused career

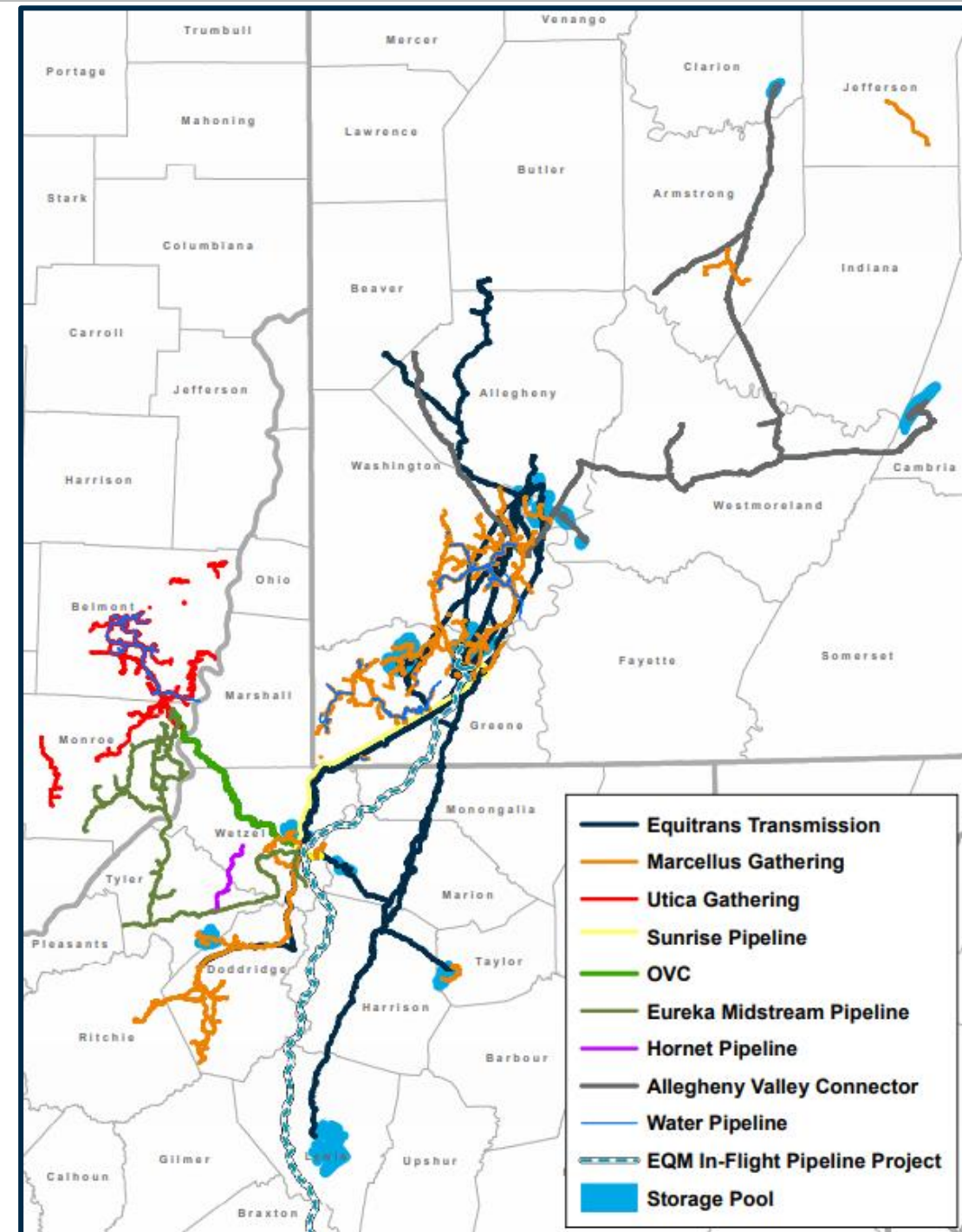
# Equitrans Midstream Overview



## Pennsylvania, West Virginia, and Ohio Assets

- 135-year old company headquartered in Canonsburg, PA
- Focus on Sustainability
- 750+ employees
- 1,900+ miles of gathering pipeline
- 750+ miles of regulated transmission pipeline
- 580,000+ compression horsepower
- 8.2+ Billion Cubic Feet (BCF) of natural gas transported daily
- 180+ miles of water pipelines

***Safety – above all else – and a commitment to responsible operations that will protect our employees, contractors, and communities***



# STEM at Equitrans Midstream



## Employees

- **Operators**
  - Maintain assets to safely operate
  - Hands-on
  - Mechanical
  - Majority of time working in the field
- **Technicians**
  - Maintaining assets to safely operate
  - Troubleshooting
  - Developing set-points
- **Office**
  - IT group
  - Engineering

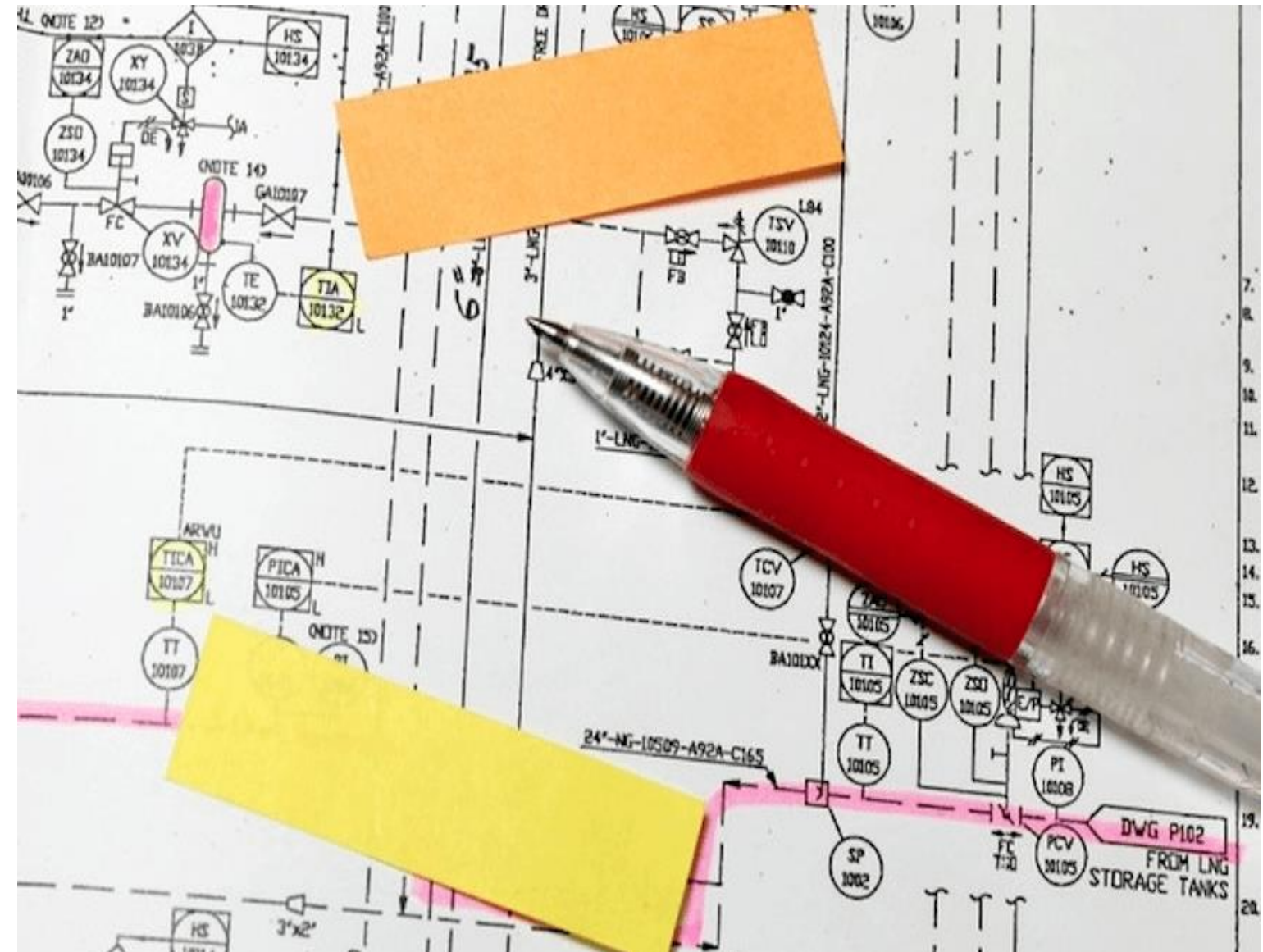


# STEM at Equitrans Midstream



## Engineering

- **Mechanical**
  - Pump, motor and valve design
  - Pipeline design
- **Electrical**
  - Power design
  - Communications
  - Automation and Control
- **Chemical**
  - Process design
  - Liquids modeling
- **Civil**
  - Landslide remediation
  - Site development plans
  - Erosion and Sediment control plans



# STEM Ideas for Teachers

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- **Continue focusing on math**
  - Telecom and Natural Gas industries have math as a basis
  - Encourage students to take advanced math and science classes
- **Partner with companies in different STEM industries**
  - Mentorships
  - Real-world projects
  - Funding

[equitransmidstream.com](http://equitransmidstream.com)

