▶ DOE Facilities R&D

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Mike Whelan - PRCI



DOE – NETL Facilities-Related Projects

Ongoing Projects

- Retrofit Micro-pilot ignition system to improve compressor engine reliability (CSU)
- Advanced compressor engine controls to enhance operation, reliability and integrity (SwRI)
 - Evaluate advanced NOx/O2 sensor for closed-loop control
- Technologies to enhance operation of the existing natural gas compression infrastructure (SwRI)

DOE – NETL Facilities-Related Projects

- Laser spark ignition for Reciprocating Engines (NETL – internal R&D)
 - Single-cylinder testing
- Virtual Pipeline System Testbed (KSU)
 - Characterize system hydraulics using compressor station & metering equipment, and valves and pipe as system sub-nodes

Completed Projects

- Turbo-compressor direct surge control (SwRI)
- In-line Electric Motor Driven Compressor (D-R)

