

ONGOING RESEARCH PROJECTS

DISTRIBUTION AND PIPELINE TECHNOLOGY

Measurement of Stress Levels in Metal Pipe ^a
Mechanical In-line Valve and Stopper (MIVS) ^a
High Power Laser Applications for Pavement Cutting and Breaking
Establishing the Quantitative Relationship between Microbially-Influenced Corrosion (MIC) Rate and the Microbes Typically - Found in Natural Gas Pipeline
Electro-Magnetically Activated Plastic (EMAP) Pipeline Materials ^a
Development of a Low Cost Hydrogen Dew Point Measurement Device
Cathodic Disbondment Detector
Remote Power Source
Plastic Pipe Tracing Retrofit
Welding Through a Keyhole
RGD X-ray Technology Inspection and Assessment

ENVIRONMENTAL SCIENCE & FORENSICS

Elucidating the Effect of Treatment with Oxidative Agents on Metal Mobility in Sediments
Biosensors for Leak Detection – Proof of Concept
Linking MGP Fuels to MGP Byproducts
Nanotech Applications for the Natural Gas Industry – T & I
Use of Stable Isotopes for MGP Age Dating
Monitoring Natural Attenuation

ENERGY UTILIZATION

Next Generation Glass Melter ^a
Research and Development of Predictive Maintenance and Smart Controls Engine Driven CHP Systems ^a
Partial Oxidation Gas Turbine – Co-Production of Power, Syngas and Hydrogen ^a
Super Boiler 2nd Generation for Watertube Boilers ^a
Micro-Combustion ^a
Development and Field Trial of an AHIS
Instantaneous Storage Hybrid Water Heater
TCR Waste Heat Recovery
Rapid Conditioning for the Next Generation Melting System ^a

^a Co-funded by non-SMP entity.