



**Pennoni Associates Inc.**  
Engineering and Design Consultants

*Presented to:*

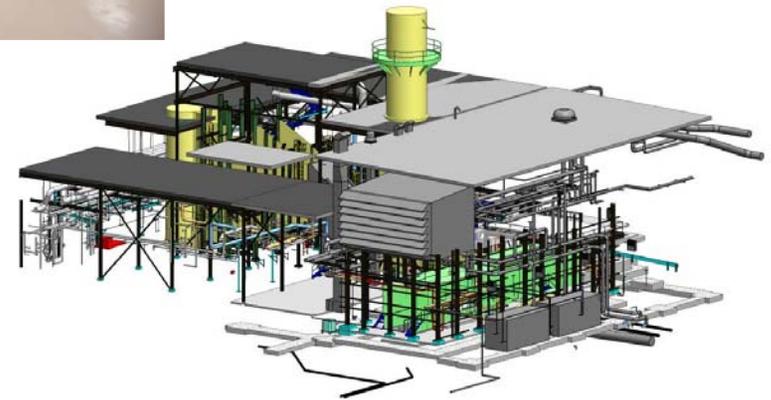
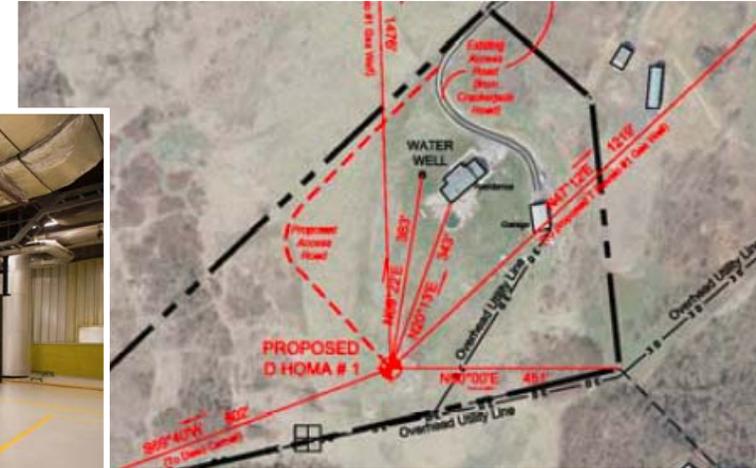


**Pennsylvania Public Utility Commission's  
Gas Safety Seminar**

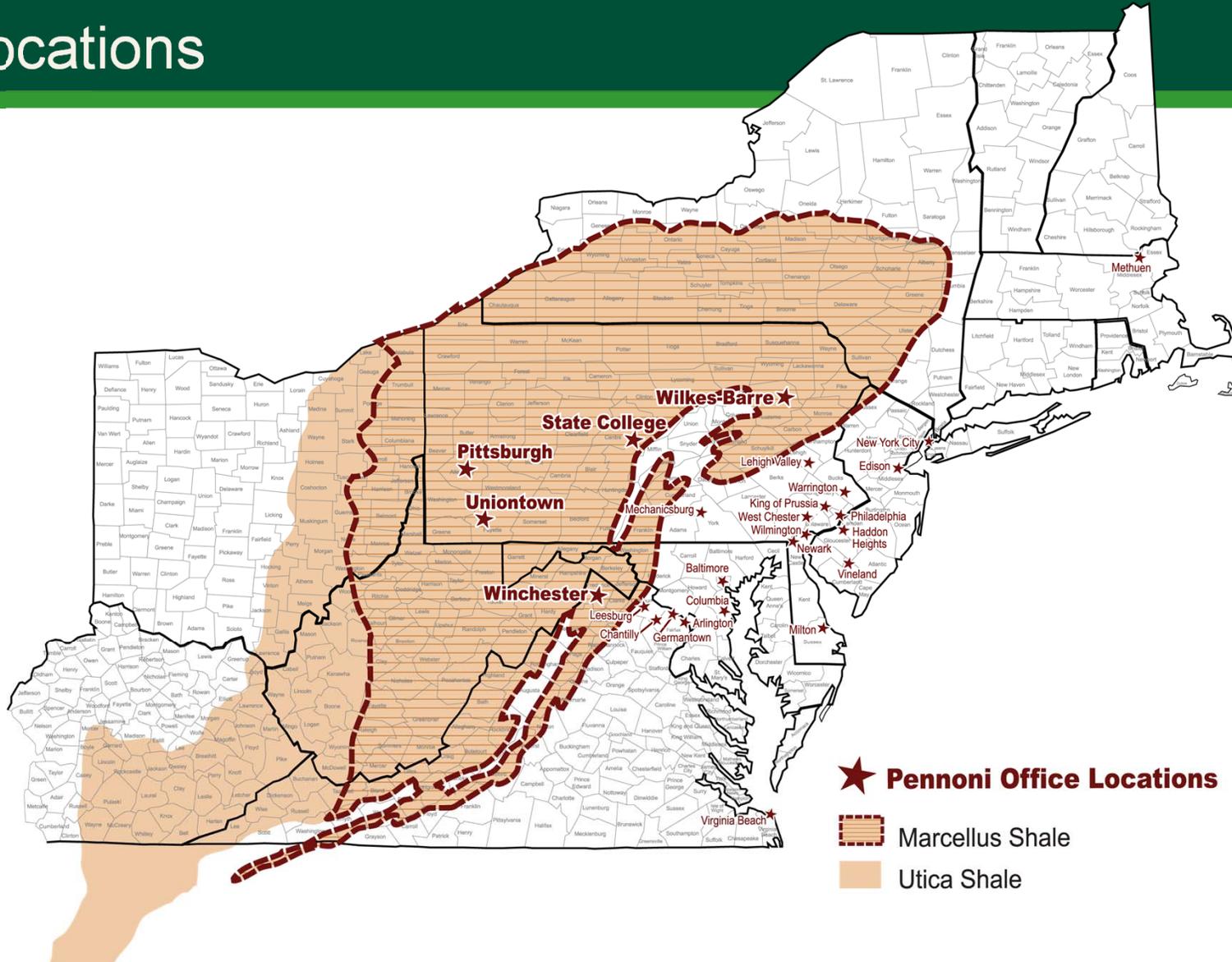
- Established in 1966 by chairman Chuck Pennoni, PE
- Multidiscipline engineering & design firm
- Approximately 950 professionals & support staff
- Offices throughout the Mid-Atlantic and Northeastern US
- Clients are local, state, and federal governments, private, commercial, industrial, and construction clients, as well as other professional firms
- As an ESOP-owned firm every Pennoni employee has a vested interest in the success of each project

# Engineering & Design Services

- Construction Services
- Energy Services
- Environmental
- Fabrication Inspection
- Geotechnical Engineering
- Land Development
- MEP Engineering
- Municipal Engineering
- Planning
- Structural Engineering
- Survey & Geomatics
- Transportation
- Water/Wastewater Engineering



# Office Locations

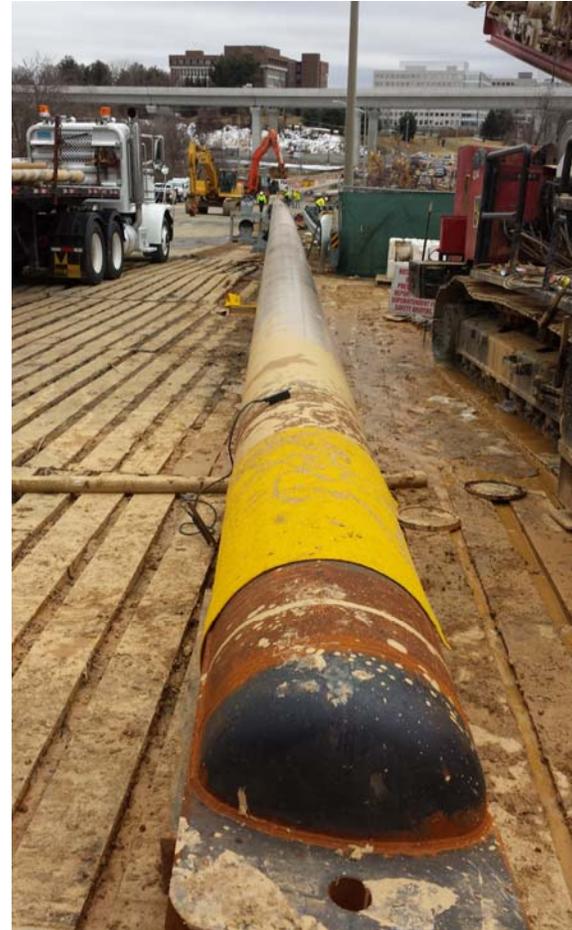


**Planning**

**Permitting**

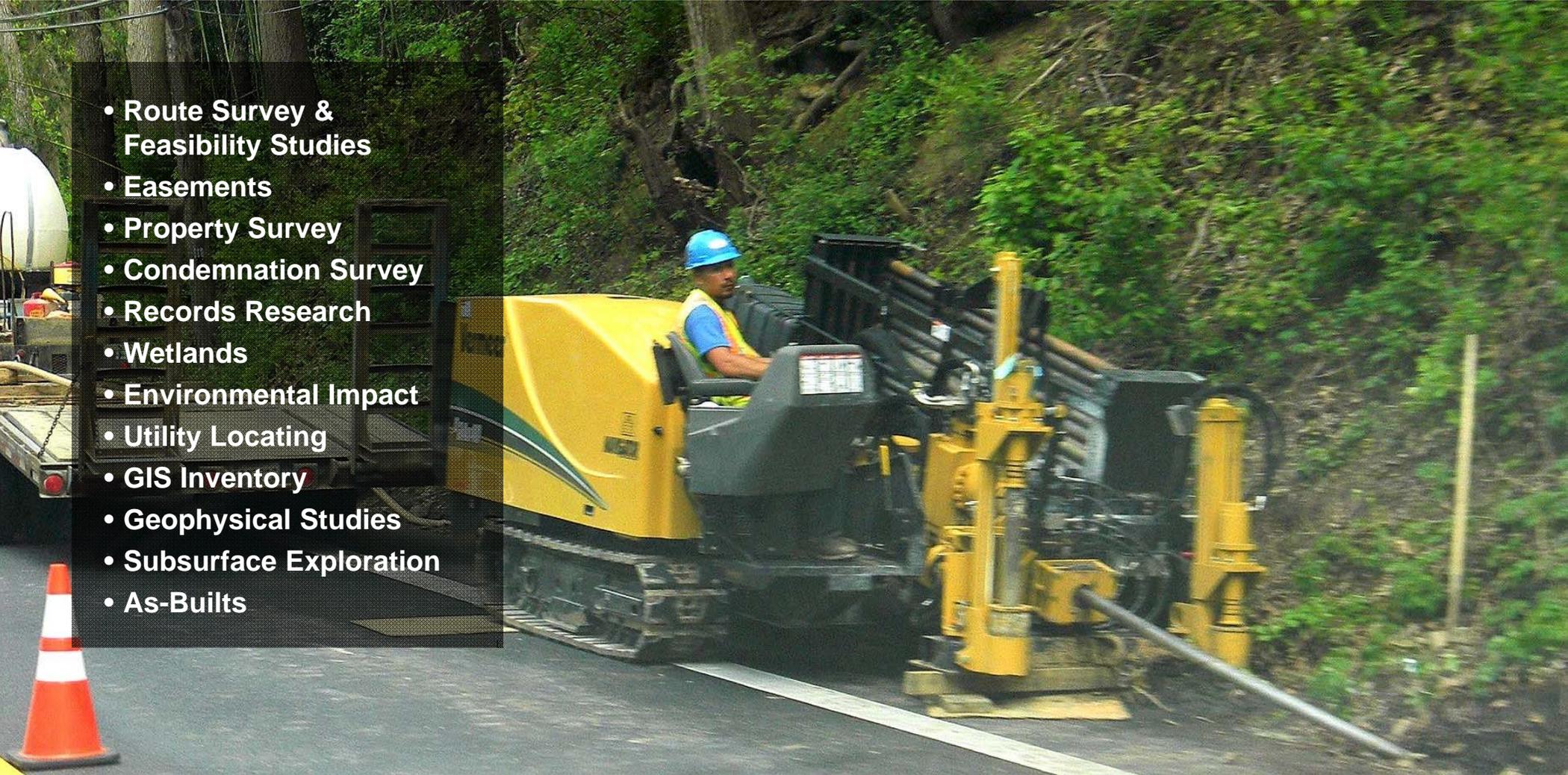
**Design**

**Downstream Use**



# Planning

- Route Survey & Feasibility Studies
- Easements
- Property Survey
- Condemnation Survey
- Records Research
- Wetlands
- Environmental Impact
- Utility Locating
- GIS Inventory
- Geophysical Studies
- Subsurface Exploration
- As-Builts



# Permitting

- PennDOT HOP's
- Erosion Control/ESCGP
- General Permits
- Stream Crossing Encroachment
- Stormwater Management/ NPDES
- Air Emissions
- PPC Plans
- Land Use/Zoning



# Design

- Distributions/  
Transmission
- Relocations
- Replacement
- Conduit
- Duct Bank
- Conflict Resolution
- Horizontal Directional  
Drilling



# Downstream – Natural Gas Use

- **Combined Heat & Power (CHP)**
  - Industrial, Manufacturing, District Energy, Gas Transmission
  - MEP Design & Commissioning
  - Financing & Turnkey Project Delivery
- **CNG / LNG Fueling Stations**
  - Permitting & Station Design
  - Design Build Capabilities
- **Energy Management**
  - Budget & Procurement Management
  - Plant Sequencing & Operations
  - Market Efficiency

