



Tioga County Extension Project

Open House

October 19, 2009



- **100+ years experience in Pennsylvania**
- **Parent company of Empire Pipeline, Inc.**
- **Four main business segments:**
 - **Pipeline & Storage: owns and operates 2,800 miles of interstate natural gas pipelines**
 - **Exploration & Production**
 - **Utility**
 - **Energy Marketing**

National Fuel Gas Company

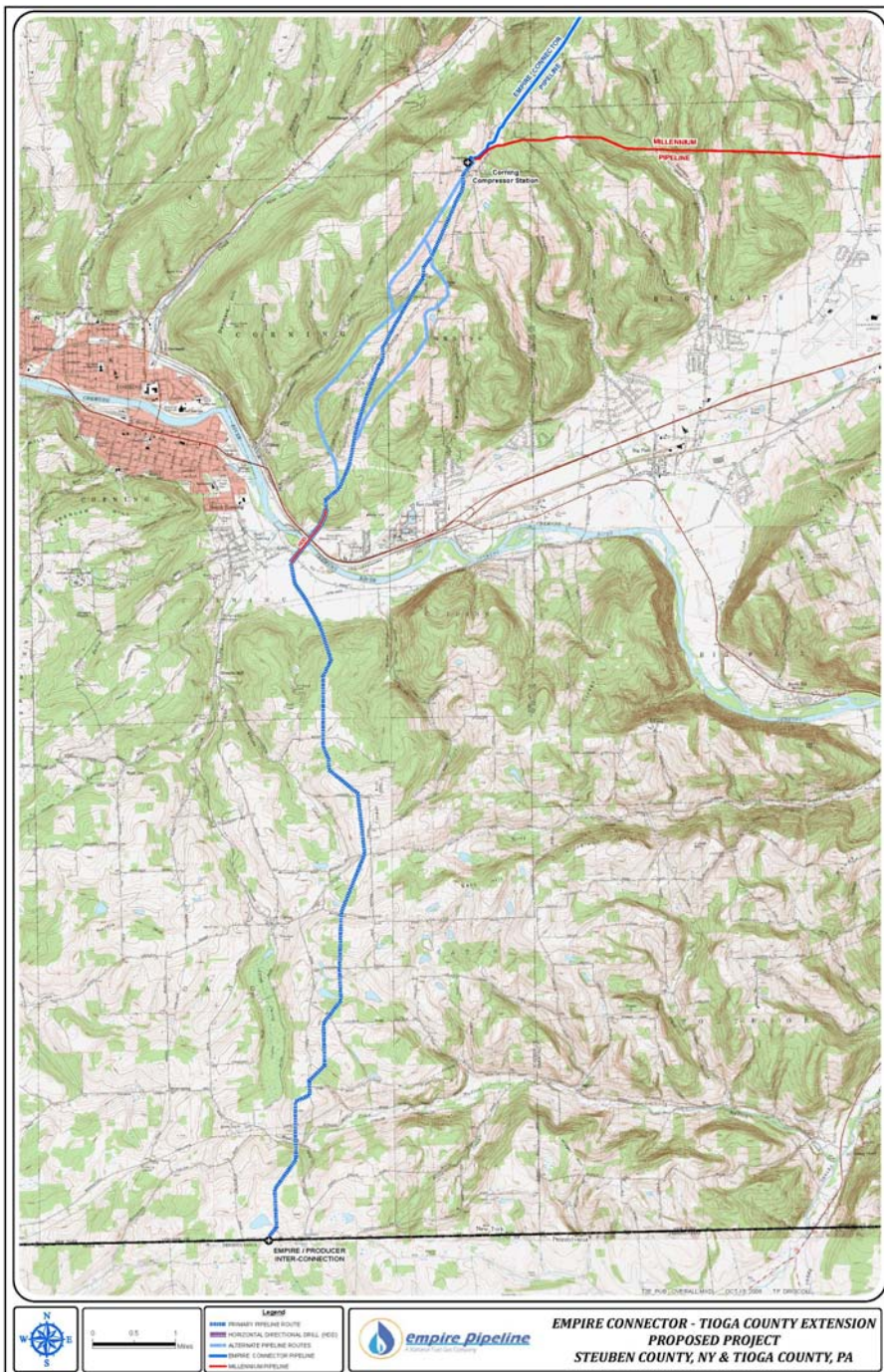


- **Natural gas supplies 24% of all energy used in the U.S.**
 - **In 2008, the U.S. consumed 23.2 Tcf of natural gas.**
 - **Consumption of natural gas will increase 20% by 2030, according to the U.S. Department of Energy (DOE).**
- **Natural gas is delivered to customers through a safe, 2.3 million mile underground pipeline system that includes 300,000 miles of transmission lines.**

Natural Gas is in Demand

Fall 2009	Preliminary Environmental & Engineering Studies
January 2010	Begin the FERC NEPA pre-filing process
Winter 2009-2010	FERC public meetings
Spring 2010	Detailed Environmental & Engineering Studies
July 2010	Submit application to FERC
Summer 2010 – Spring 2011	Negotiate rights-of-way (ROW)
January 2011	Anticipated FERC approval
Spring 2011	Construction begins
Summer – Fall 2011	Restoration activities begin
September 2011	In-service date
Summer 2012 – ongoing	Remaining restoration; monitor crop yields

Project Timeline



- **Approximately 16 miles of 24-inch pipeline in Steuben County, NY.**
 - **Begins near the New York State line in Jackson Township, PA**
 - **Ends on Quackenbush Hill in Corning Township, NY**
 - **HDD at Route 86**
- **1.4 miles of 24-inch replacement pipeline in Ontario County, NY.**
- **Other measurement station improvements.**

Preliminary Route



- **Minimize impact to landowners**
- **Engineering and technical issues**
- **Least disturbance of land**
- **Natural resource preservation**
- **Cultural and archeological resource preservation**
- **Pipeline origin positioned by producer gathering facilities**

Factors in Selection of Route



- **Safety is our priority**
- **Outstanding safety record**
- **Pipeline is constructed and maintained to meet or exceed federal safety code:**
 - **Minimum 3 foot of cover**
 - **100% X-ray**
 - **Hydrostatic Test**
- **Regulated and inspected by U.S. Dept. of Transportation and the Federal Energy Regulatory Commission**

Safety



- **Compensation for ROW:**
 - **Land use and right-of-way access**
 - **Economic loss caused by construction**
- **Based on open market property values**
- **Land restored to original or better condition**

Landowner Compensation



Before

During



After



Proven Results



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Questions, Comments & Input