



***National Fuel***<sup>®</sup>  
*Supply Corporation*

# **Line N Westside Expansion And Modernization Project**

**Washington, Allegheny  
And Beaver Counties**

**Public Meeting  
June 13, 2013**



- **Extensive community involvement early on**
- **Open dialogue with the public**
- **We are here to:**
  - Answer your questions
  - Listen to your comments
  - Gather your input
- **Please hold questions until the end**

**Community Involvement**



- **100+ years experience in Pennsylvania**
- **Parent company of National Fuel Gas Supply Corporation**

**National Fuel Gas Company**





- **Four main business segments:**
  - **Exploration & Production**
  - **Pipeline & Storage:** owns and operates 2,800 miles of interstate natural gas pipelines
  - **Utility**
  - **Energy Marketing**

**National Fuel Gas Company**



- **Natural gas supplies 25% of all energy used in the U.S.**
  - In 2012, the U.S. consumed 24.7 Tcf of natural gas.
  - **Consumption of natural gas will increase 15% by 2035**  
*(U.S. Department of Energy)*

**Natural Gas is in Demand**







- Will replace 23 miles of 1947 vintage 20-inch bare steel high pressure natural gas pipeline.
- Will increase the capacity of Line N to meet future transportation requirements for locally produced Marcellus and Utica Shale gas.
- Will provide reliable supplies of energy to western PA and the northeastern U.S.

## Project Overview





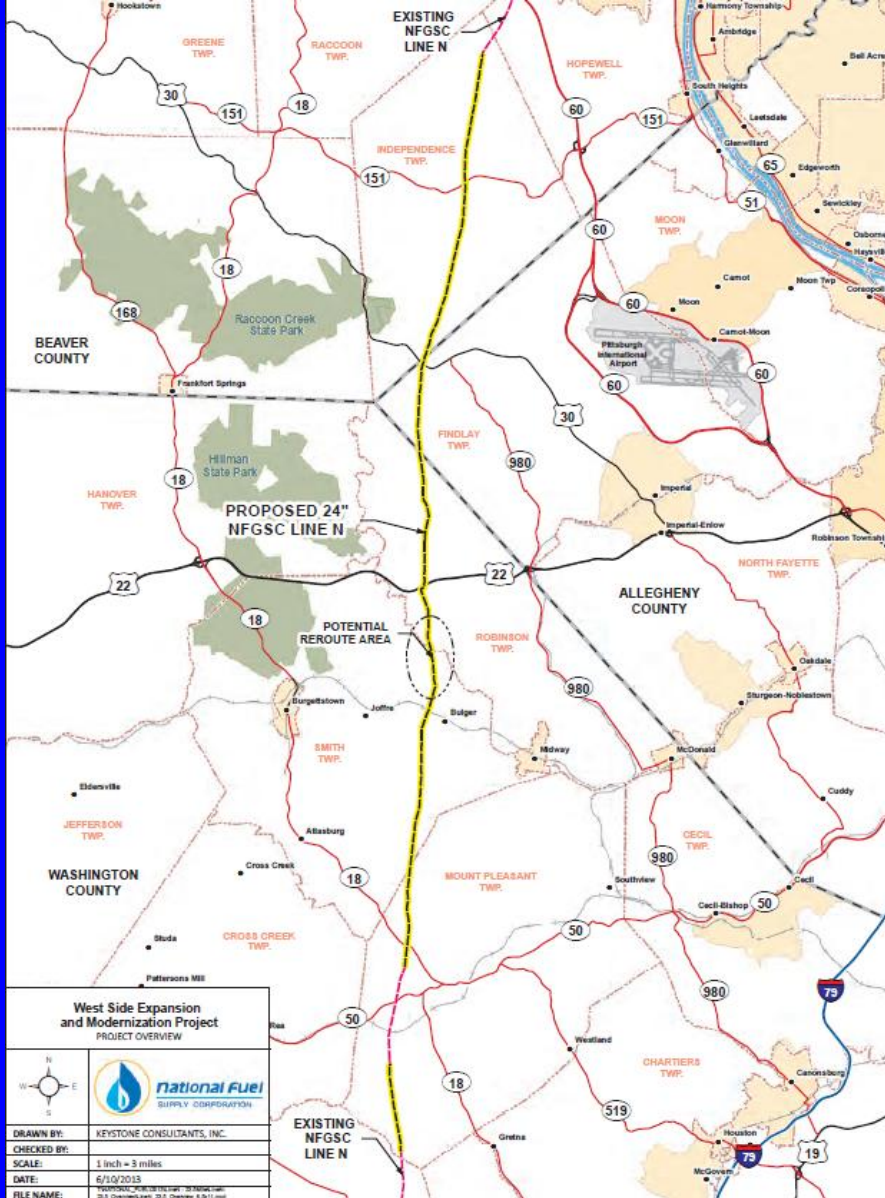
- **Approximately 23 miles of 24” high strength coated steel pipeline rated for 1,440 psig.**
- **Approximately 3,500 horsepower of compression on Company property in Mercer County.**

**Project Facilities**



<b>May 2013</b>	<b>Begin landowner notification and survey permission</b>
<b>June 2013</b>	<b>Begin survey, environmental and engineering studies</b>
<b>November 2013</b>	<b>Submit 7(c) application to FERC</b>
<b>November 2013</b>	<b>Begin right-of-way acquisition</b>
<b>November 2014</b>	<b>Anticipate FERC approval</b>
<b>November 2014</b>	<b>Begin site activities</b>
<b>February 2015</b>	<b>Begin facility construction</b>
<b>November 2015</b>	<b>Target in-service date</b>
<b>Spring 2016 – on going</b>	<b>Remaining restoration; monitor crop yields</b>

# Project Timeline



- Begins at Mt. Pleasant Township, Washington County, PA and ends in Independence Township, Beaver County, PA
- Will generally offset existing Line N +/- 25'
- Reroutes for structures, etc. and US Rt. 22 HDD
- New mainline valve assemblies
- Existing pipeline will remain idled in place

# Line N Pipeline



East Aurora Compressor Station

- **Mercer Compressor Station and Interconnection will allow deliveries to TGP**
- **Two 1,775 horsepower reciprocating compressors**

- **Low-emission technology**
  - **Emissions similar in make up to a house furnace**
  - **Annual testing done and reported to DEP and EPA**
- **Low-noise design**
  - **Maximum 55 decibels at closest Noise Sensitive Area**

## **Mercer Compressor Station**





- Investing approximately \$66 million in Pennsylvania
- Creating 150-200 jobs during construction
- Supporting local businesses during construction and operation
- Ongoing work with area companies

**Economic Impact of the Project**



- **Maximize use of existing Line N corridor**
- **Minimize impact to landowners**
- **Engineering and technical issues**
- **Minimize disturbance to land**
- **Natural resource preservation**
- **Cultural and archeological resource preservation**

**Factors in Selection of Route**





- **Safety is our priority**
- **Outstanding safety record**
- **Pipeline and compression facilities are constructed and maintained to meet or exceed federal safety code:**
  - Minimum 3 foot of cover
  - 100% X-ray
  - Hydrostatic Test
  - Remote Control Valves

**Safety**





- **Compressor Station equipped with state-of-the-art emergency shutdown system**
- **Facilities are regulated and inspected by U.S. Department of Transportation**
- **System is monitored 24/7 by Gas Dispatch Center**

**Safety**



## Survey Activities involve:

- Surveying property – mostly by walking land
- Minimal disturbance by shovel testing, if necessary
- Test holes repaired upon completion of test
- Geotechnical investigation required for US Rt. 22 HDD

**Surveying in Your Area**





- **We are looking for your input**
- **Surveying does not harm the land**
- **Company representatives carry photo ID at all times**
- **Will not ask to enter your home for any reason**

**Surveying in Your Area**





- Land owner compensated for land use and crop and timber damage caused by construction
- Based on current market value
- Land restored to original or better condition

**Landowner Compensation**



*Before*

*During*



*After*



**Proven Results**



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**Questions, Comments & Input**