

NIPSCO Gas Modernization Projects

Northwest Indiana

NIPSCO Natural Resource Permitting – As of January 2016



NIPSCO's Commitment to Safe and Reliable Service

- Maintains the overall safety and integrity of NIPSCO's electric and gas systems
- Identifies and eliminates recurring system failures
- Provides the ability to continue delivering low cost options to customers
- Supports the creation of several hundred direct and indirect jobs
- Supports new business expansion
- **NIPSCO's Infrastructure Modernization Plan will include new or replacement electric/gas transmission and distribution projects for purposes of safety, reliability, system modernization, or economic development.**

Investing in Indiana's Energy Future

Infrastructure Modernization Efforts

Examples of Gas Modernization Projects

- Increasing In-Line Inspection Capabilities
- Upgrading Low-Pressure Systems
- Extending Rural Gas to Underserved Areas
- Adding Additional Control Valves
- Replacement of Priority Pipeline, Including Bare Steel

Benefits to Customers

- Improves Public Safety
- Increases System Strength, Safety and Reliability to Meet Future Demand
- Supports Local Jobs, Future Economic Growth and Development



Bare Steel Replacement Project (Gary, Ind.)

Planned Investments Through 2020

Strengthening Indiana's Energy Infrastructure

Modernizing the Gas and Electric System



Benefits to businesses and residents:

- Continued safe, reliable system for the future
- Reducing outages caused by aging system failure
- Supporting local jobs, future economic growth

Notable projects:

- Gas Transmission Replacement/Upgrade
- New Electric Substation Construction
- Bare Steel Gas Line Replacement
- Rural Gas Extensions
- Underground Cable
- Replacement Program
- Transformer Replacement Program
- Pole Inspection, Replacement and Treatment Program
- 4kV Conversion Program
- Substation Upgrades



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NIPSCO's commitment to the environment:

- It is NIPSCO's responsibility to make sure you always have electricity and natural gas there when you need it, but will ensure that the service is provided in an environmentally responsible way.
- <https://www.nisource.com/sustainability>



Natural Resources Permitting Coordinator

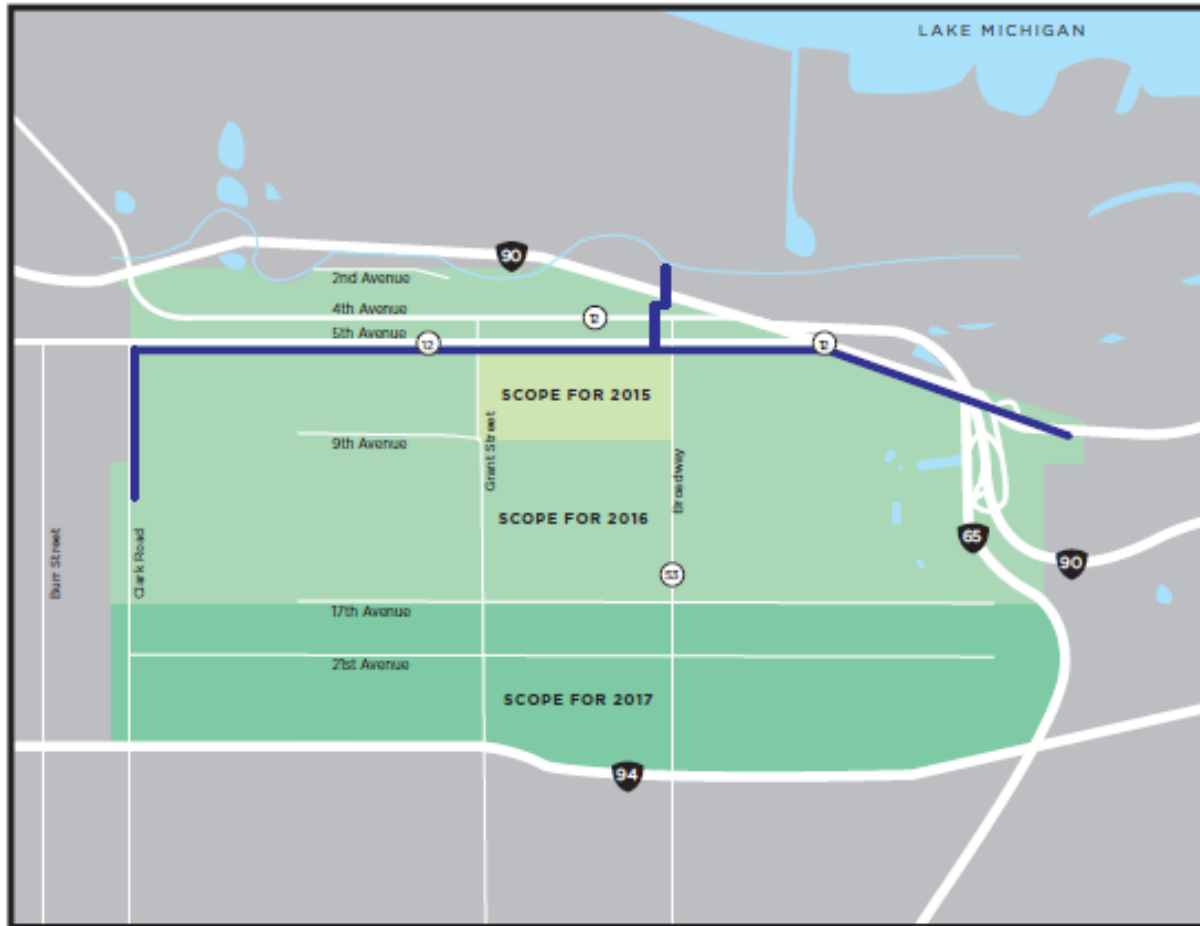
- **Responsible for identifying environmentally sensitive resources within project area.**
- **Complete permitting/approval process prior to construction.**
- **Coordinate work with environmental contractors.**
- **Prepare Environmental Compliance Plan (ECP) for projects.**
- **Provide training for Environmental Construction Standards.**
- **Support environmental compliance during construction.**

Engineering and NRP Coordination



Gary Natural Gas Line Upgrade

Project Area (Natural Gas Line Is Not to Scale)

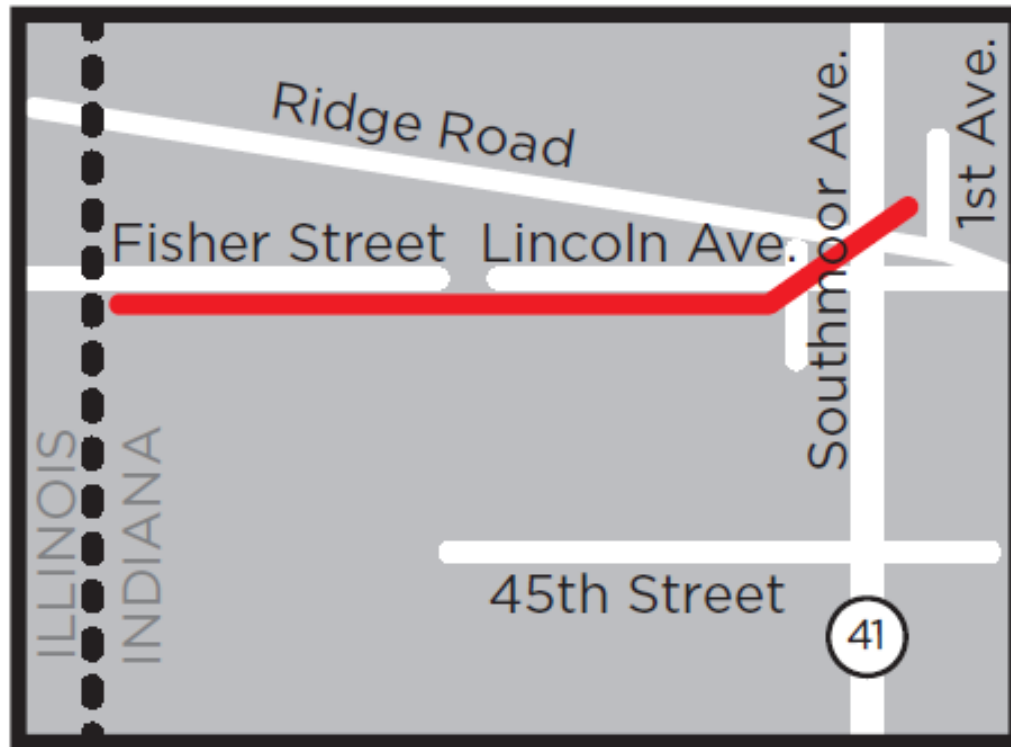



- 2015 Work Area (10 miles within area to be upgraded)
- 2016/2017 Work Area (50 miles within area to be upgraded)

2015 Main Gas Line Replacement

Stateline to Highland Gas Transmission Project

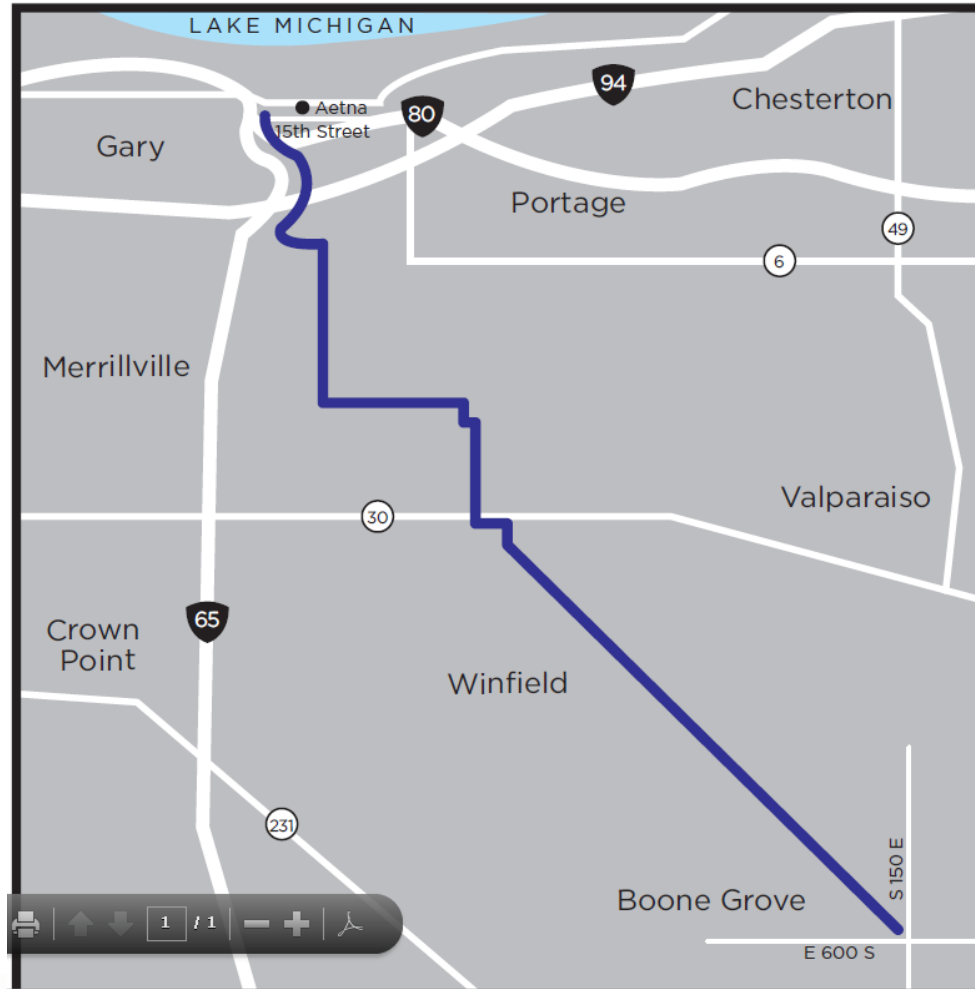
Project Area



 Natural Gas Line Replaced


Aetna to Tassinong Gas Transmission Project

Project Area



Aetna to LaPorte Gas Transmission Project



 Replacement/Upgrade of Existing Line
(Final route subject to change)

Aetna to LP

Project Schedule – Phase 1

- **Wetland Impact Analysis**
- **Section 404 Permit to be submitted in January 2016**
- **Draft SWPPP / Rule 5 Permit**
- **Construction Schedule**
 - 1st 7 miles only / independent utility function
 - April/May start date, pending permits
 - Full environmental compliance (erosion/sediment control)
 - Restoration plan (wetlands, upland/natural/pollinator, residential)
- **Phase 2 Design Engineering**
 - Continued design/engineering 2016
 - Permit submittals scheduled for 3rd Quarter 2016
 - Construction currently scheduled for 2017/18
 - Mitigation

Mitigation and Conservation Strategy

- **Prioritization** (Critical habitat, T&E species, etc...)
- **Habitat Connectivity**
- **Collaboration**



Source: NIRPC GI Vision

Thanks!

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