



Lynnfield



An Exelon Company

Pre-Construction Meeting Presentation

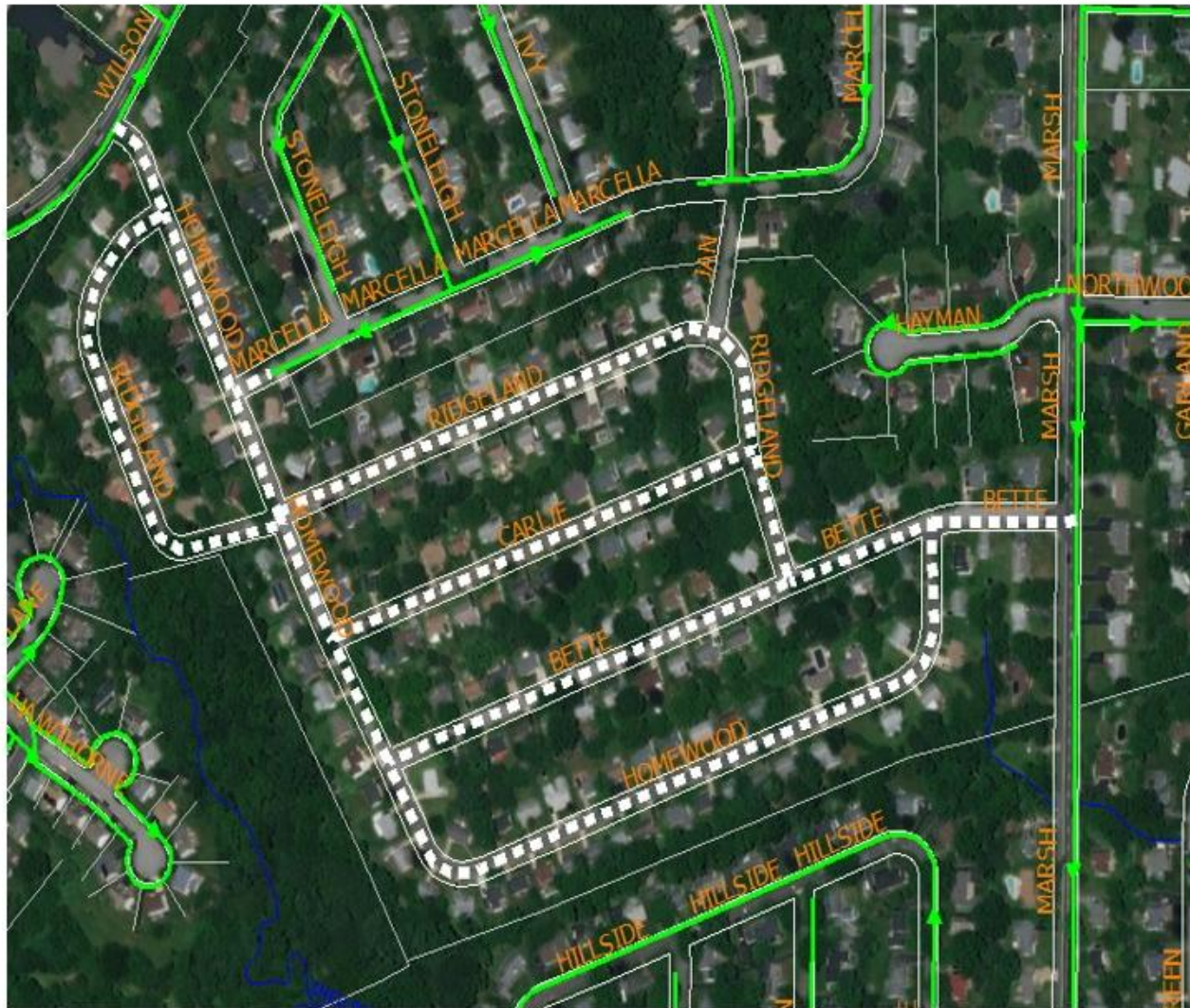
Presented by: Gas Engineering New Business
March 25, 2019



Providing Natural Gas To Lynnfield

Existing Infrastructure

WHITE DASHED ARE FUTURE PIPES



Lynnfield Project Overview

- Total Feet of Pipe Installed:
 - 9,200' of 2"
- Customers in project area:
 - 166 directly impacted
- Customers signed up for gas service line:
 - 38 customers or 23% of neighborhood
- Size of PY pipe to be installed:
 - 2"

Preliminary Design – Lynnfield





Main vs Service

Yellow – gas main at state right of way

Green – service line up to applicants house



Lynnfield Construction Timeline

- Construction Schedule:
 - Begin construction – 4/1/2019
 - Complete main installation – 5/24/2019
 - Complete final restoration – 8/1/2019
- All work is weather dependent
- Scope of work may change daily due to unforeseen conditions
- The intent is to complete final restoration once all main and services are complete.
- Temporary restoration will be done at the end of each task or week.



Natural Gas Expansion Project

- Project scope involves:
 - Marking of utility lines – **8-1-1**
 - **Guardian Construction** begins mobilizing
 - Contractor will test hole over main
 - Set up of the directional drill
 - Excavation of the receiving pits, etc.
 - Boring of the main
 - Gas main will be tied-in (energized)
 - Installation of service lines to applicable locations (bore)
 - Final restoration will occur once all main and services are complete
- Note: temporary restoration will be completed at the end of each week or at the end of each task



**Know what's below.
Call before you dig.**



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Installation of Natural Gas

- Preliminary order of Gas Main installation by street for Lynnfield
 1. Homewood Road
 2. Bette Road
 3. Ridgeland Road
 4. Carlie Road



Service Installations

- Services will be installed to each applicant when the customer is ready to start receiving natural gas
- Each applicant will have an on-site meeting with the field technician and during those on-site meetings it will be determined if the customer is ready to receive a natural gas service line during this project.
- Applicants are refunded their \$200 security deposit when natural gas is flowing to the residence for a gas-fired appliance.

Customer Converts & Gas meter is installed  Security deposit refunded



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Gas Conversion Projects: Staging of Material



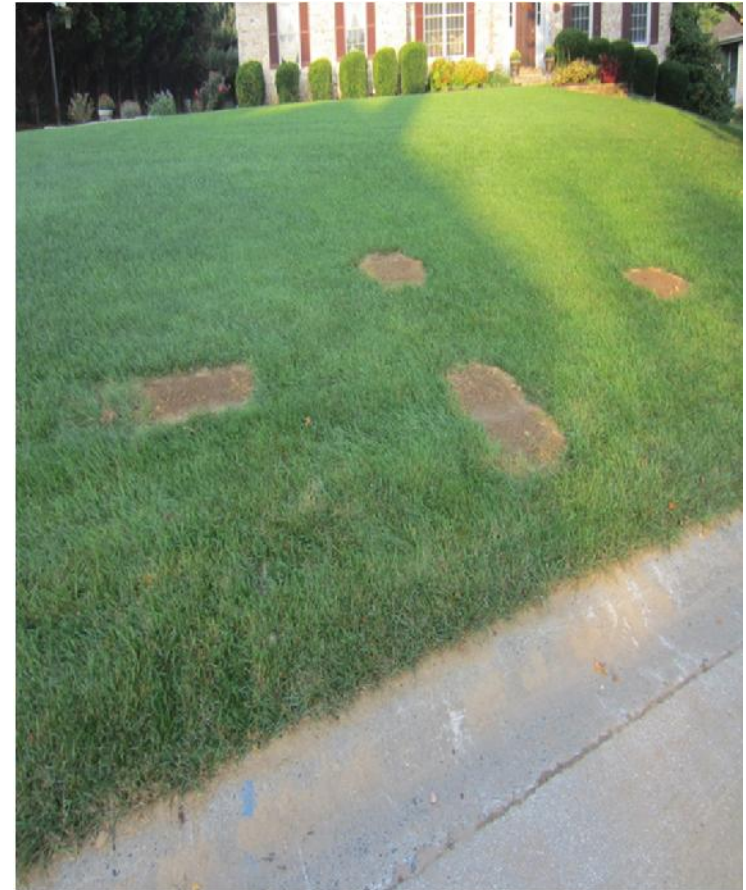
- Locations in neighborhood that have been identified as low traveled areas are used for the staging of materials. Material is coned off for safety and kept to minimum level of encroachment into roadway.

Gas Expansion Projects: Test Holes

- Test holes may be performed prior to main installation by either hand digging or possibly vacuum excavation



Gas Conversion Projects: Test Holes



- Left: Test hole areas left safe with proper coverage until temporary restoration
- Right: Completed temporary restoration with backfill

Gas Conversion Project: Main Installation



- Install new main throughout neighborhood in the state right-of-way at the curb line utilizing a directional bore technique. Equipment may need to encroach on private property for perpendicular main alignments

Gas Conversion Project: Main Installation



- Right: temporary restoration on a driveway that was open cut due to unforeseen underground conditions
- Left: temporary restoration on large section of receiving pit for main

Gas Conversion Project: Main Installation Final Restoration On Driveway

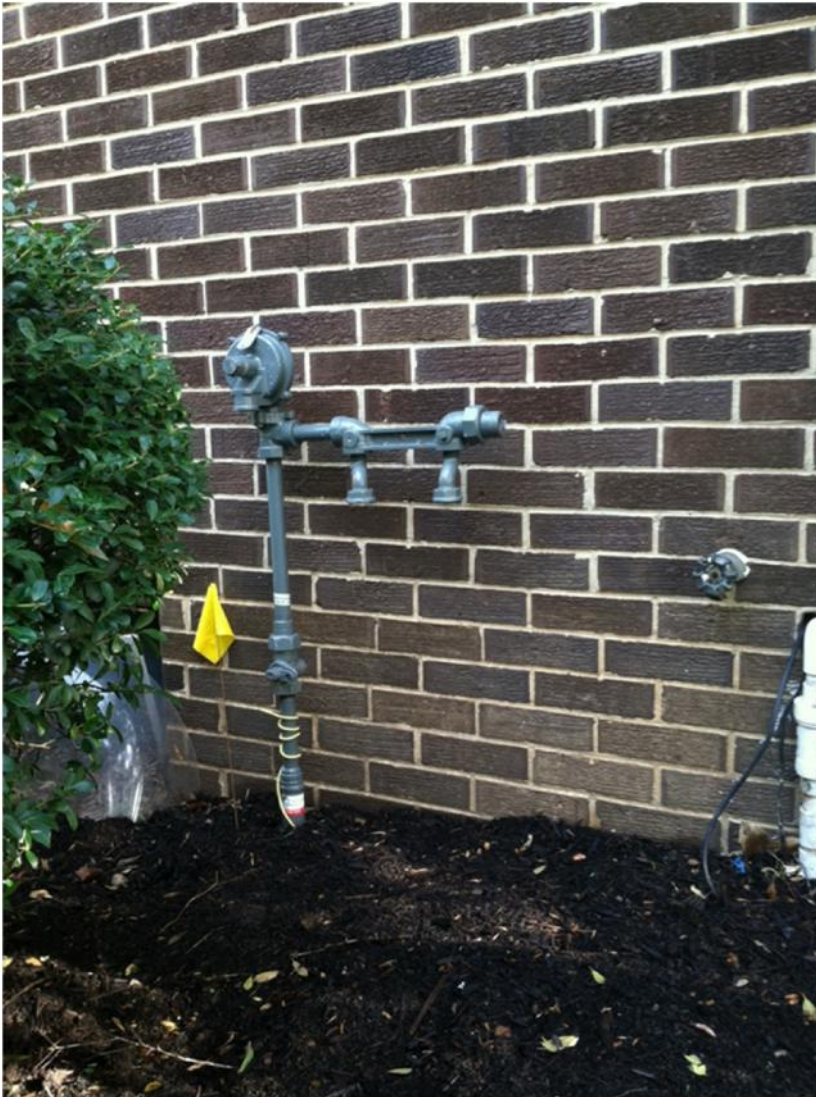


Gas Conversion Project: Main Installation - Temporary Restoration



- Left: temporary restoration of test hole in roadway
- Right: temporary restoration of disturbed area in right-of-way

Service line, Riser, & Meter bar



- When customer is ready to convert to a gas-fired appliance, they must:
 - Hire a licensed contractor to install fuel lines
 - Have NCCO inspect & tag fuel line
 - Private contractor ties fuel line into meter bar
 - Call Delmarva Power to schedule meter install

Meter Installation

- Example of Inspection Tag

The gas piping and gas equipment has been inspected and approved by the following authority

<input type="checkbox"/> New Castle County	<input type="checkbox"/> City of New Castle
<input type="checkbox"/> City of Wilmington	<input type="checkbox"/> Town of Elsmere
<input type="checkbox"/> City of Newark	<input type="checkbox"/> Town of Newport

On this date & time: _____

By Inspector: _____

Permit Number: _____

And deemed safe for the introduction of natural gas at

Owner: _____

Address/Lot: _____

State: _____ Zip: _____

Gas piping has been installed and designed to take delivery of the following gas pressure:

<input type="checkbox"/> 5 inches of water (low pressure)	<input type="checkbox"/> 10psig
<input type="checkbox"/> 2psig	<input type="checkbox"/> High pressure (+/- 35 psig)
<input type="checkbox"/> 5psig	<input type="checkbox"/> N/A

Gas piping was tested using:

☐ Air @ _____ lbs.

Total number of outlets: _____

____ Heater ____ Hot Water Heater ____ Range ____ Fireplace

____ Pool Heater ____ Gas Lamp ____ Other

Card • Delmarva Power
Yellow copy • The Authority having jurisdiction
White copy • Site



Lynnfield Gas Project Contact Sheet

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- Field Technician – Dave Titter
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Questions?

- Thanks for attending!