

Upgrading to Natural Gas



Agenda

- **National Grid: About Us**
- **Benefits of Natural Gas**
- **Gas Extension Process**
- **Financing Options**
- **Project Overview**
- **Project Timing/Next Steps**
- **Incentives**
- **Questions**

National Grid: About Us

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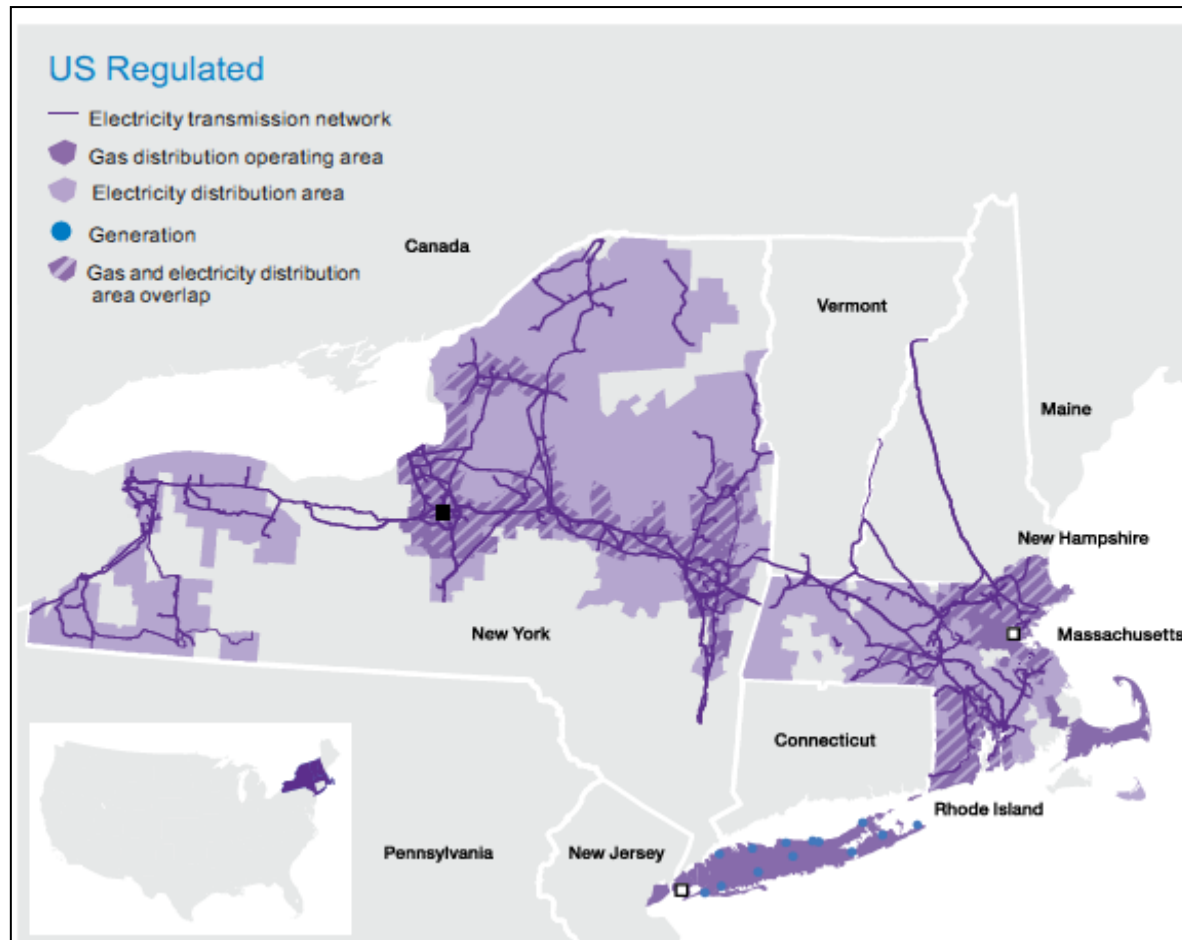
- An international electricity and gas distribution company, based in the US and UK
- In the U.S, National Grid:
 - Distributes electricity to nearly 3.3 million customers in New York, Massachusetts and Rhode Island
 - Owns and operates more than 4,000 MW of electric generation
 - Distributes natural gas to 3.4 million gas customers in New York, Massachusetts and Rhode Island



National Grid – U.S.

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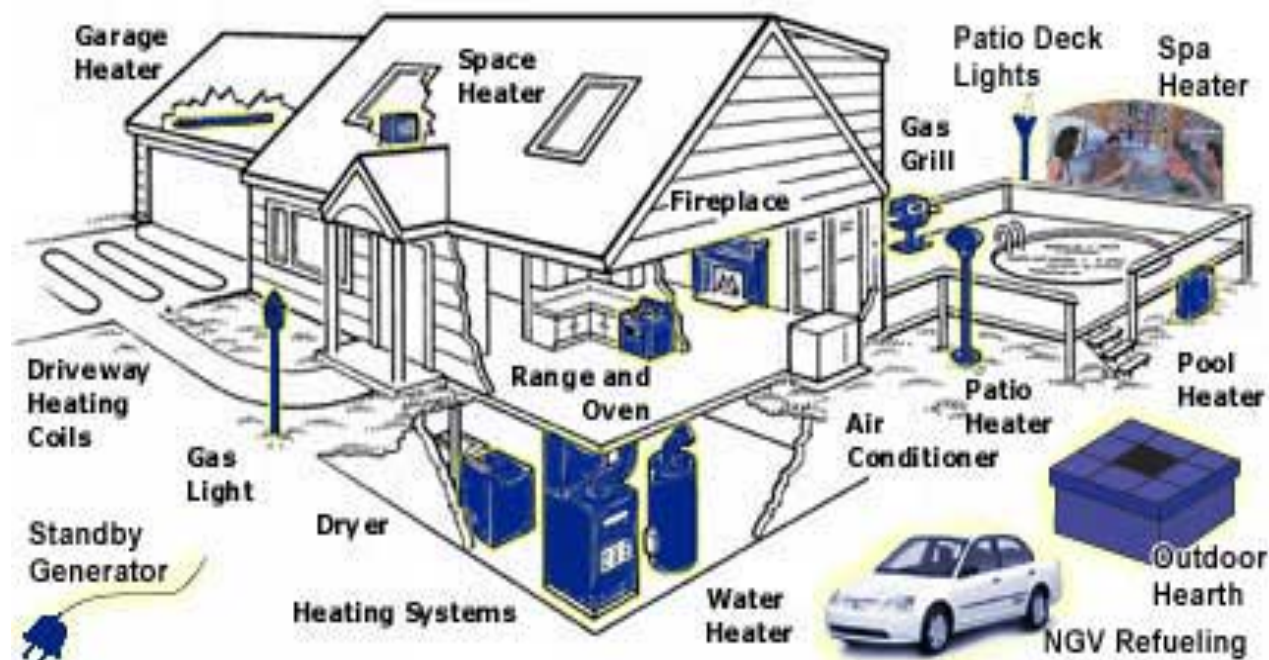


Benefits of Natural Gas

- **Reliability**
 - Piped directly to your home
 - Lower Maintenance Costs
- **Environmentally Friendly**
 - Cleanest burning fossil fuel
 - Each conversion equivalent to taking **15** cars off the road for a year
 - Eliminate buried oil tank liability
- **North American Energy Source**
 - 100% of Natural Gas supplied to LI is from North America
- **Value**
 - Adds value to your home
 - Long term price advantage over other fuels

Benefits of Natural Gas

■ Versatile



Benefits of Natural Gas

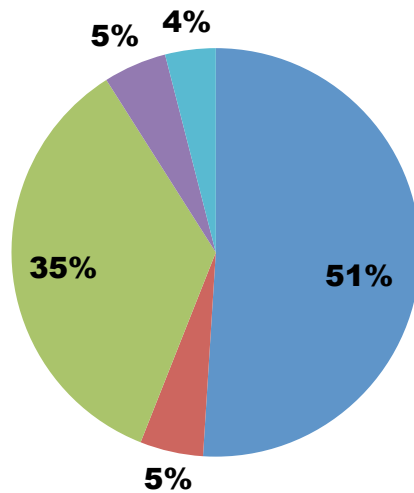
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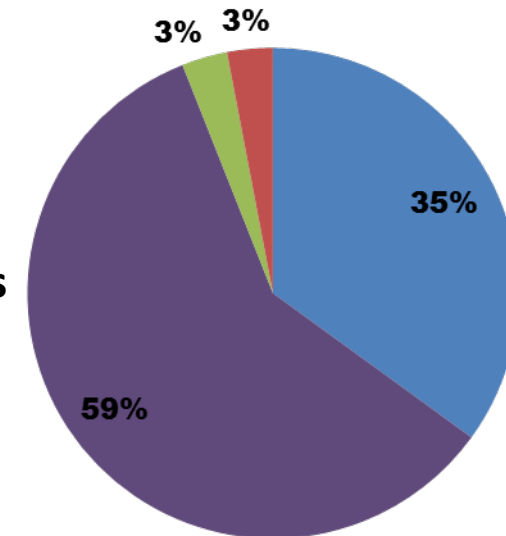
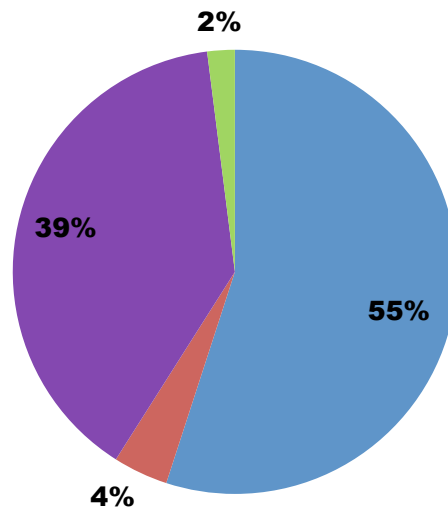
Heating by Fuel Type

Upper Brookville Homes with Natural Gas

U.S. Homes with Natural Gas



LI Homes with Natural Gas



- Natural Gas
- Propane
- Electric
- Fuel Oil
- Other



What do these buildings have in common?

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...They all use natural gas

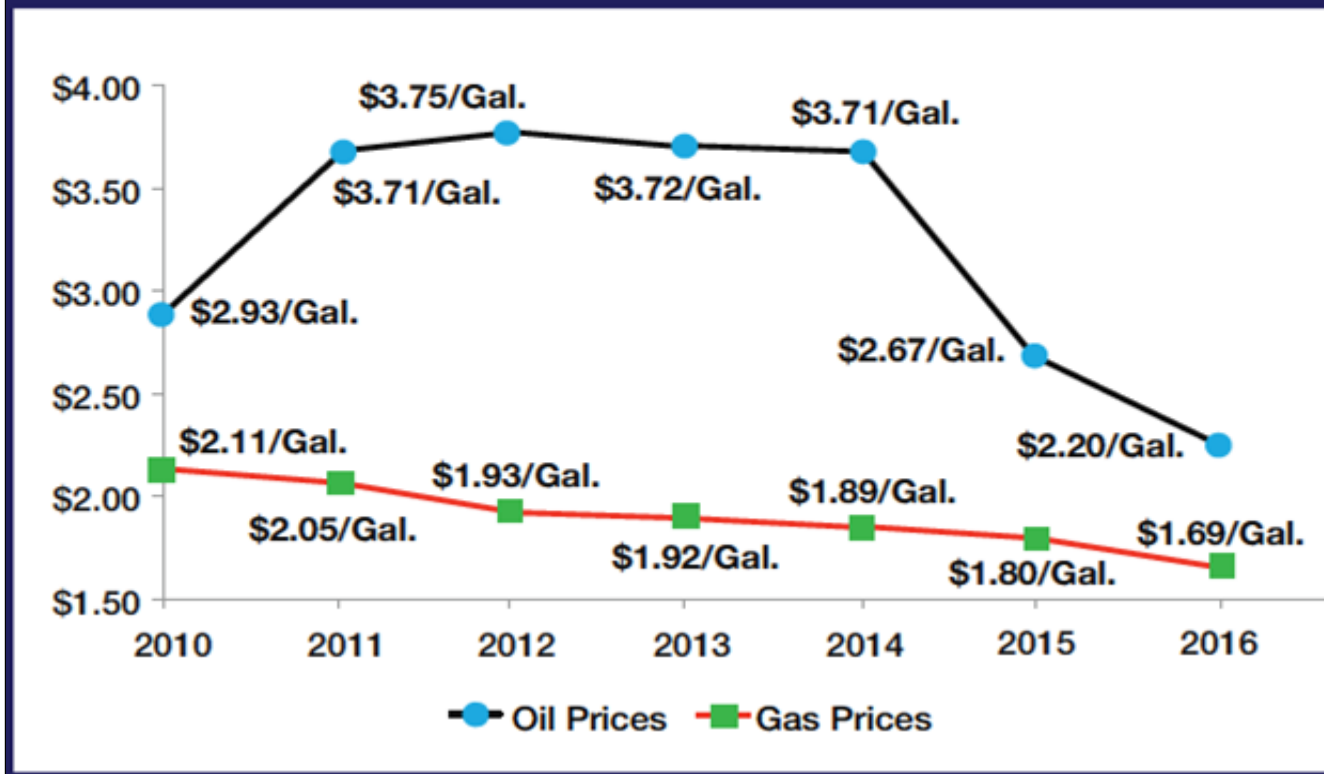
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Become a part of the natural gas majority in your community!

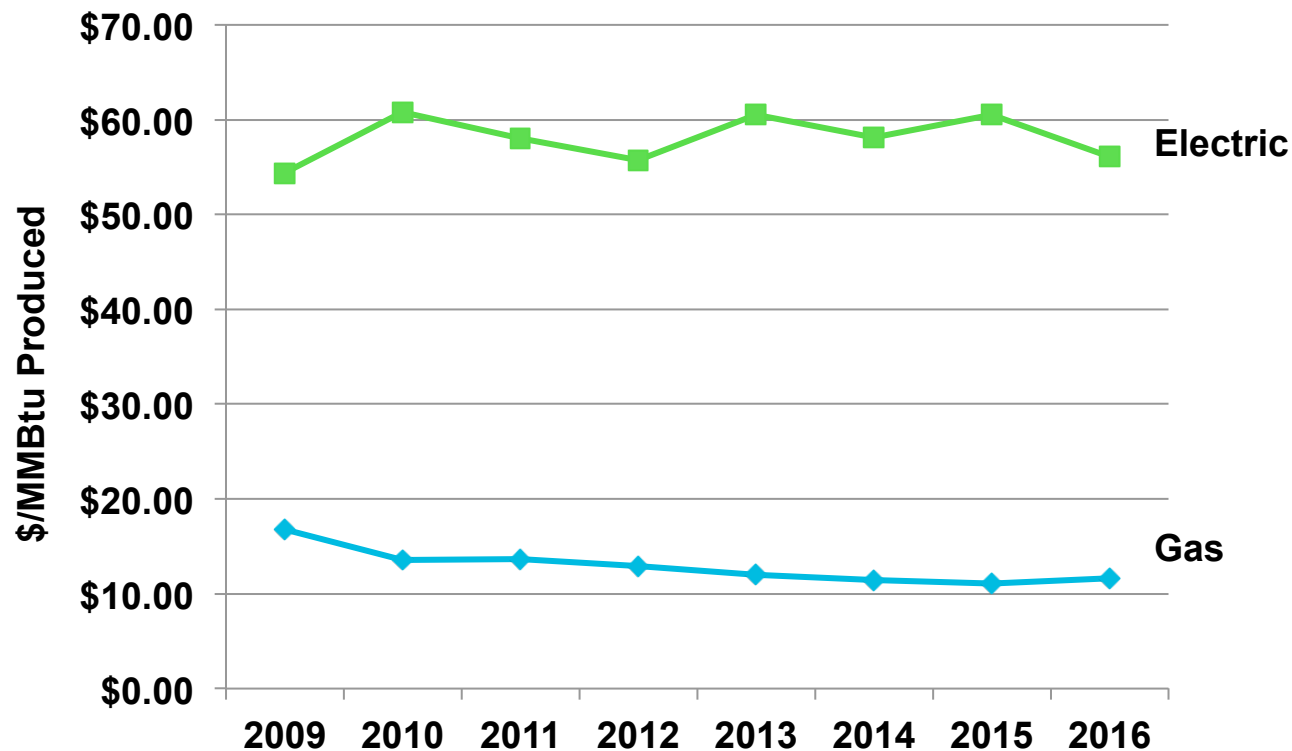
The Natural Gas Price Advantage

Natural Gas Versus Home Heating Prices 2010 – 2016



The Natural Gas Price Advantage

Natural Gas vs. Electric Appliances

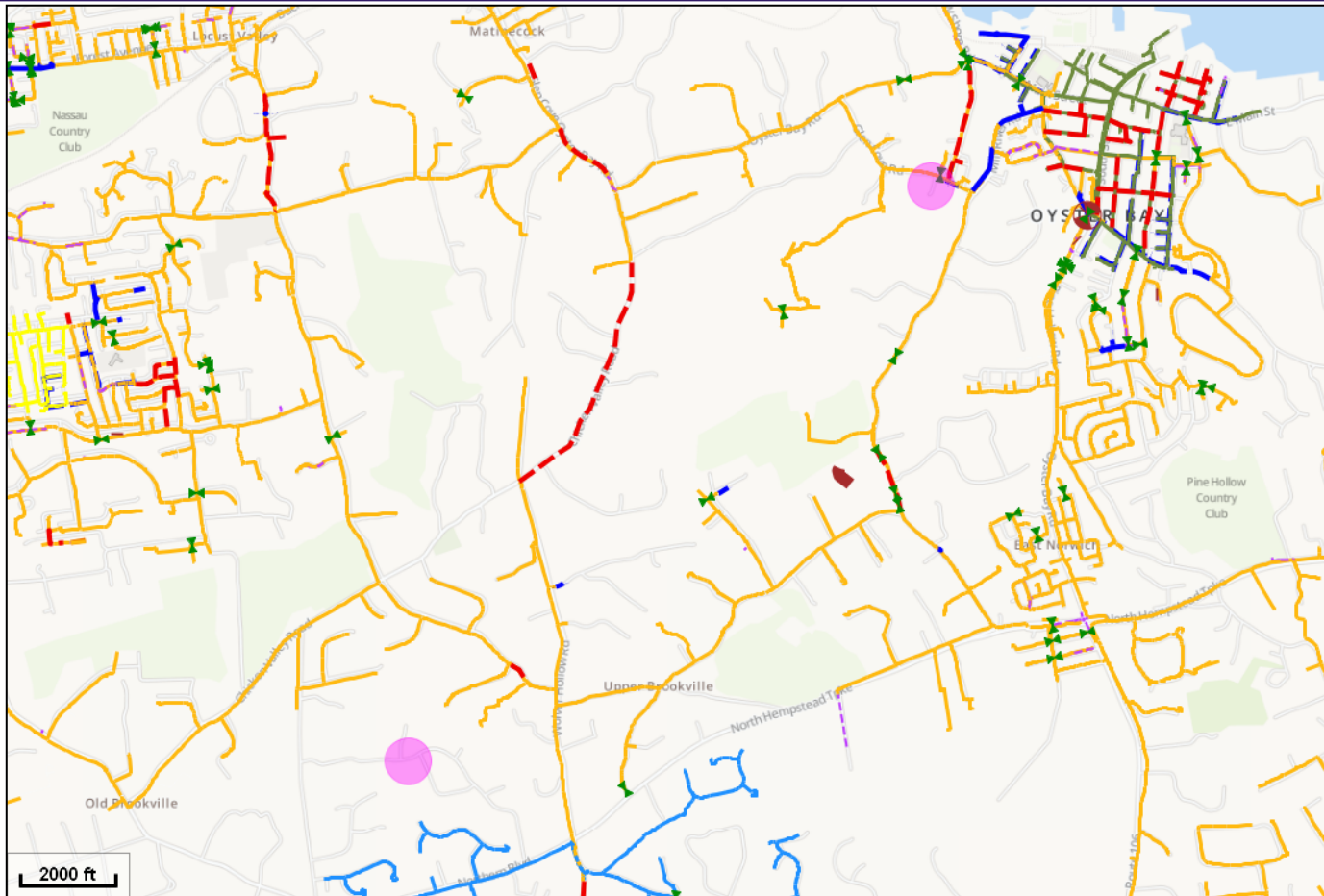


Gas Extension Requirements

- **For Heating Customers**
 - - up to 100' of gas main and 100' of gas service for each gas heating customer
- **For Non-Heating Customers**
 - up to 100' of combined gas main and service for non heat gas uses such as cooking, drying and fireplaces.
- **For footages in excess of these allotments**
 - A Customer Contribution is required.
- **Gas Expansion Usually happens one customer at a time**

Upper Brookville

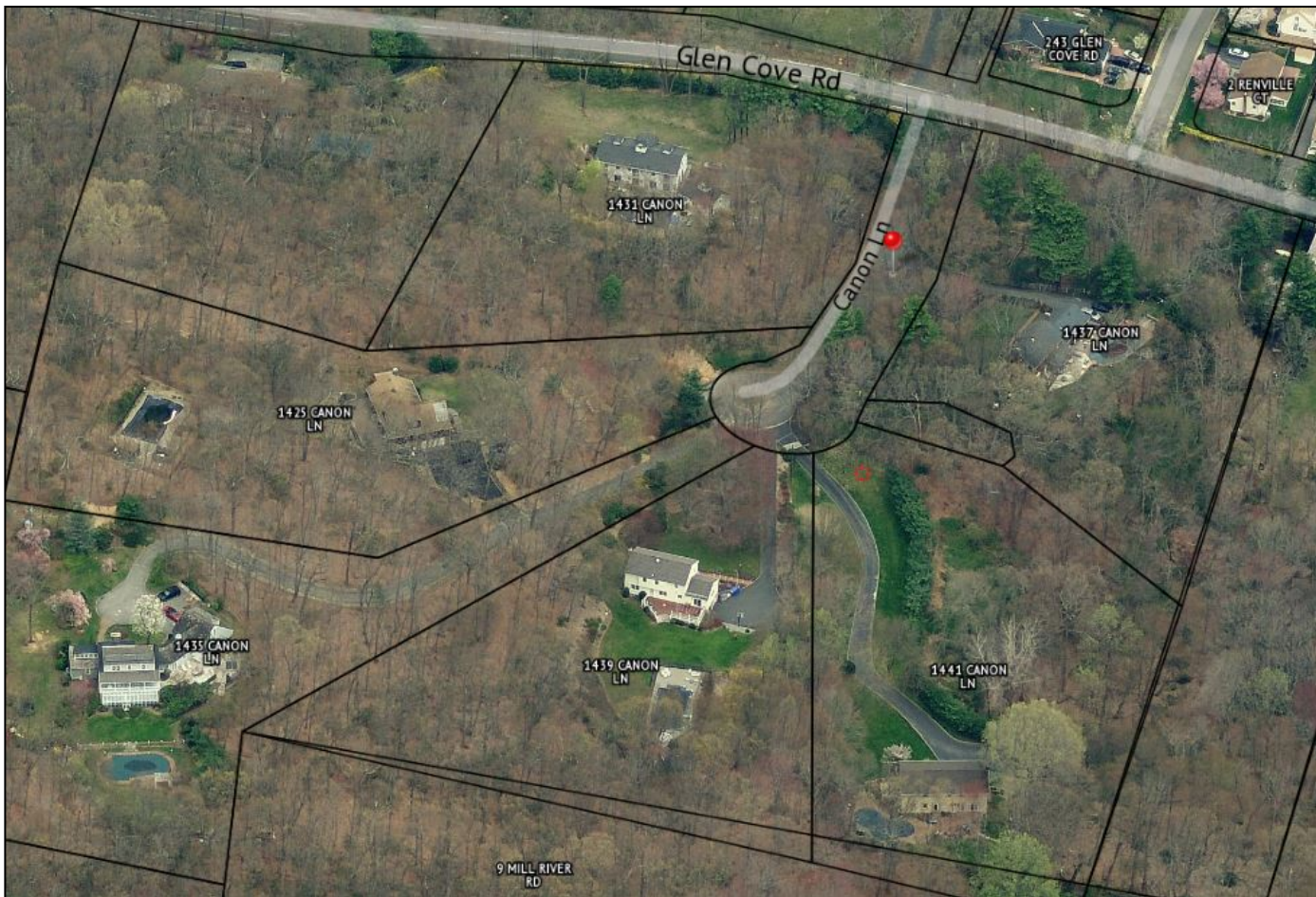
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Example of street with density

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Canon Lane:

- 420 feet
- Total of 5 homes that can convert to gas.
- If 4 houses convert, no charges for the gas main.
- Charges for gas service may apply.

Example of street without density



Linden Lane and connecting streets:

- **9,405 feet**
- **Total of 53 homes.**
- **Charges for main will apply.**
- **Charges for gas service may apply.**

Gas Extension Financing Options

- **Cost of Gas Main**
 - **Areas with Sufficient Density**
 - If enough homes commit gas provided at no charge
 - **Areas with Insufficient Density**
 - Charges apply beyond free allowance
 - Upfront payment or
 - Monthly payments for 10 years
 - **Village Financing Option – Special Gas Assessment District**
 - Financed with 15 year bonds, assumed 5% interest
 - A claim against the property, *not the home owner*
- **Cost of Gas Service**
 - Beyond free allowance upfront payment required

Linden Lane Cluster: 53 Homes



Hypothetical Installation Costs for Linden Lane Cluster Homeowners

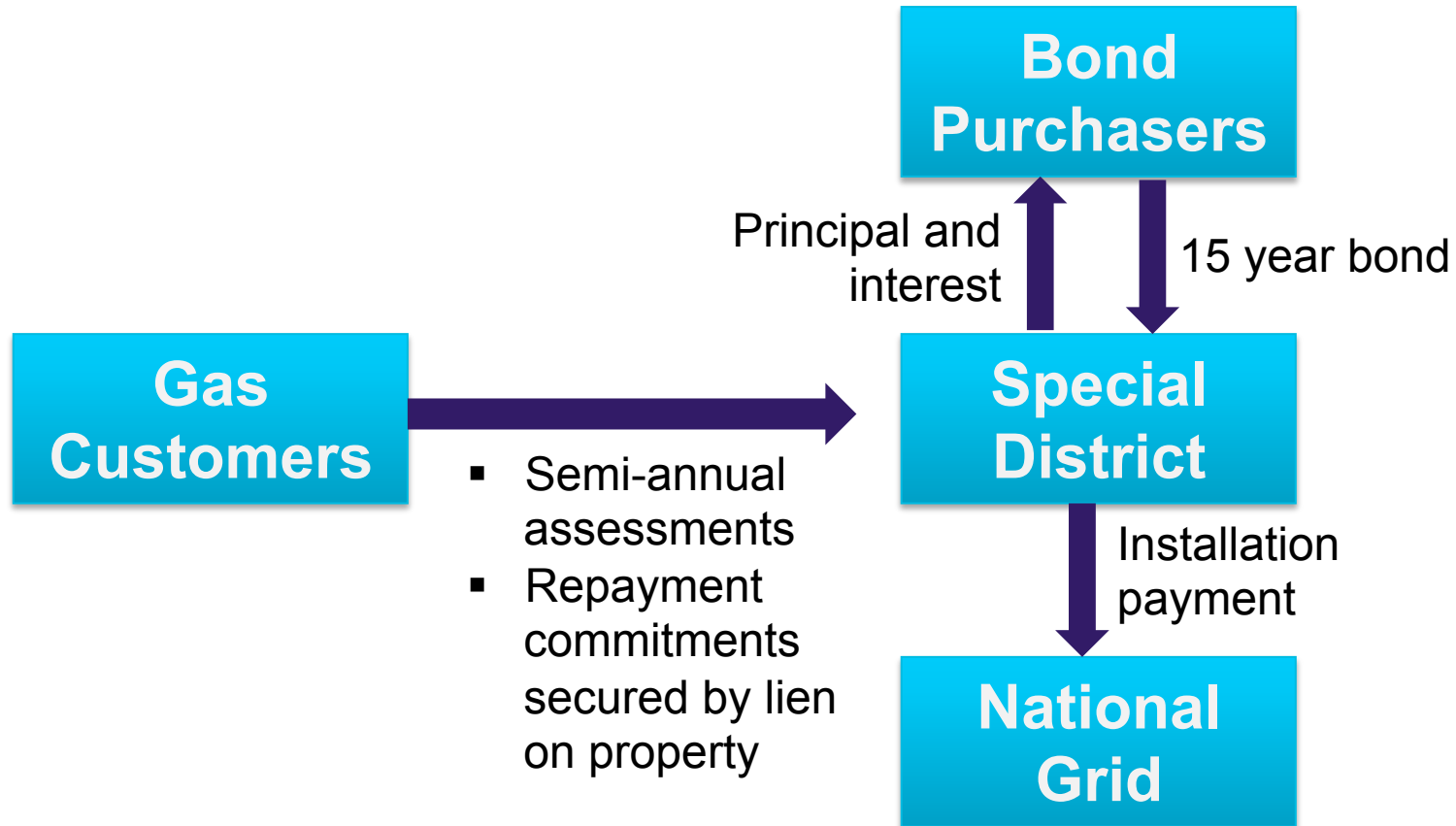
Street	Footage	# of Houses	Village Financing Option	
Linden lane with minor streets	6200	30		
Chapel Gate Ln	1700	10		
Colony Rd	475	4		
Dogwood Ct	780	6		
Revere Ct	250	3		
	One Time Payment Per Customer:	Surcharge per person per month:	Surcharge per person per month:*	Savings
If all 53 customers convert - 100%	\$7,645.81	\$107.58	\$60.46	44%
If 40 customers convert - 75%	\$13,586.25	\$204.23	\$107.44	47%
If 27 customers convert - 50%	\$24,968.85	\$393.93	\$197.45	50%

***Bonds are 15 years, 5% interest, level amortization**

Linden Lane Hypothetical

- Assume 75% of homeowners convert
 - Homeowner Installation cost is either:
 - \$13,586.25 up-front
 - \$204.23/mo. over 10 years financed by National Grid, or
 - \$107.44/mo. thru Village Financing Plan (47% savings)
 - \$57.28/foot for gas line distance that exceeds 100 foot initial run from road center. If 50 feet, cost is \$2,864.
 - \$10-14,000 to convert or replace oil burner and other appliances
 - Example total: \$14,730 up front and \$107.44/mo. for 15 yrs

Installation Financing with Bonds



Village of Upper Brookville



- Project Overview
 - Over \$9,000,000 investment in gas infrastructure
 - ~ 72,000 feet of gas main
 - Access to natural gas for up to 399 Homes

Next Steps

- Express Interest!
- National Grid/Village Outreach to Residents
- Need to meet minimum participation levels
 - Track the conversion percentage by neighborhood cluster weekly on www.upperbrookville.org
 - No financial commitment until final pricing is known
- Submit Gas Service Agreement
- Engineering Review

Project Timeline

- Dependent on a number of factors
 - Sufficient density/interest – No Payment
 - 3 -4 months from receipt of all applications
 - Insufficient density/interest – Payment Required
 - Depends on outcome of engineering review
 - Easement requirements on private roads
 - Approximate timeframe 6 – 18 months

Incentive Programs



- **Discounted Equipment Program**

- Burnham Boiler, American Standard Furnace, Conversion Burners

- **Energy Efficiency Incentives**

- Boilers, Furnaces, Water Heaters

- Website: www.smartenergy-zone.com/nationalgridny

Need A Plumber



- National Grid Value Plus Installers program
- Provide customer with plumbers licensed in your area
- Call 1-877-MY-NGRID

THANK YOU !



To express your interest in Natural Gas, please contact Priya Dasani:

516-545-4582 or email Priya.Dasani@nationalgrid.com