

Orange and Rockland Utilities, Inc.

NY DPS - Technical Conference
Expansion of Natural Gas Service

January 9, 2013

O&R Gas System

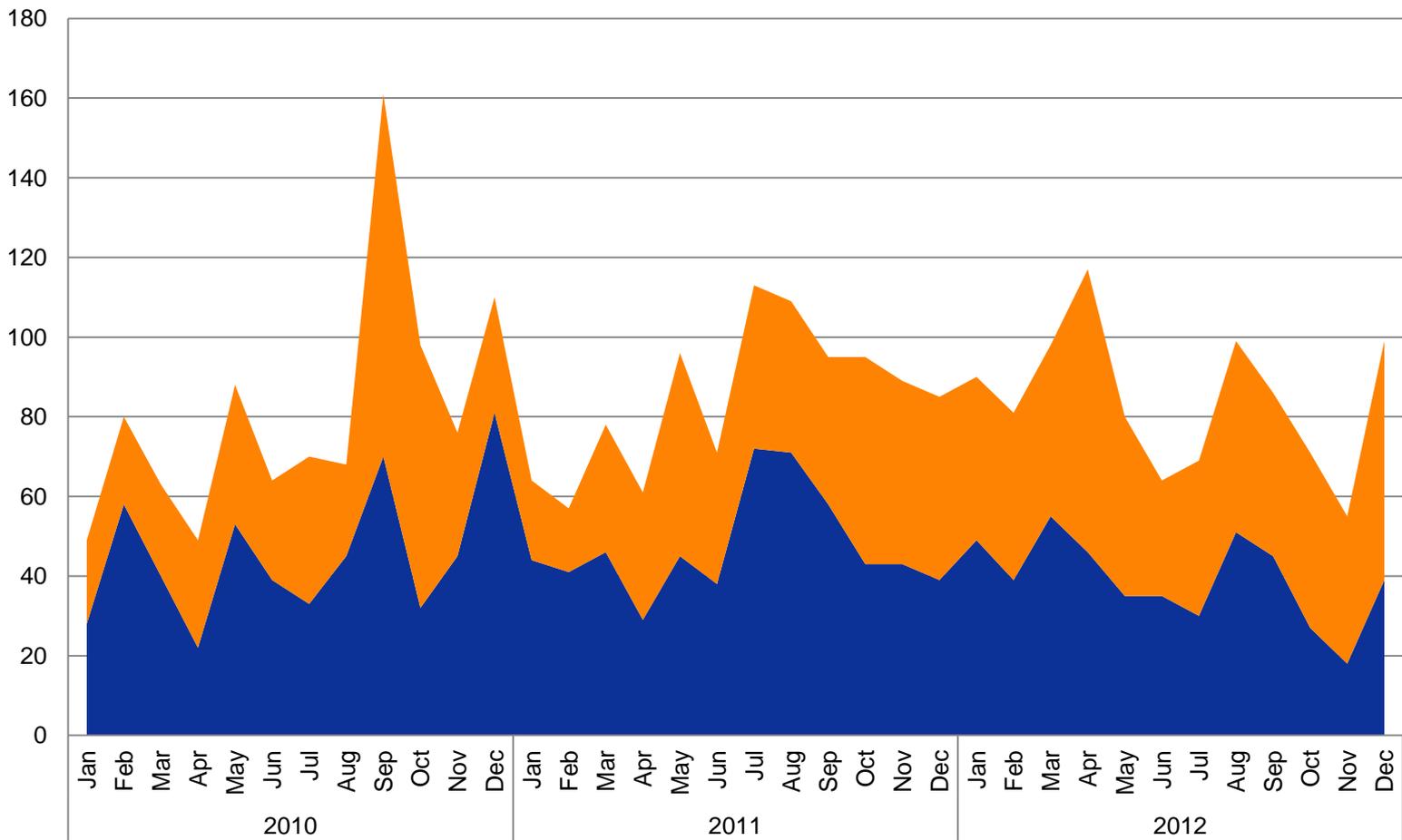
	No. of Gas Customers	Miles of Main	Area Served Sq. Miles
Orange & Rockland	130,000	77 Transmission 1,777 Distribution	615

O&R Gas System

- Current Customers
 - Residential – 118,672
 - Non- Residential – 11,594
 - Interruptible - 94
- Throughput Statistics (MCF Sales)
 - Residential – 11,767,113
 - Non- Residential – 5,336,661
 - Interruptible – 4,190,543

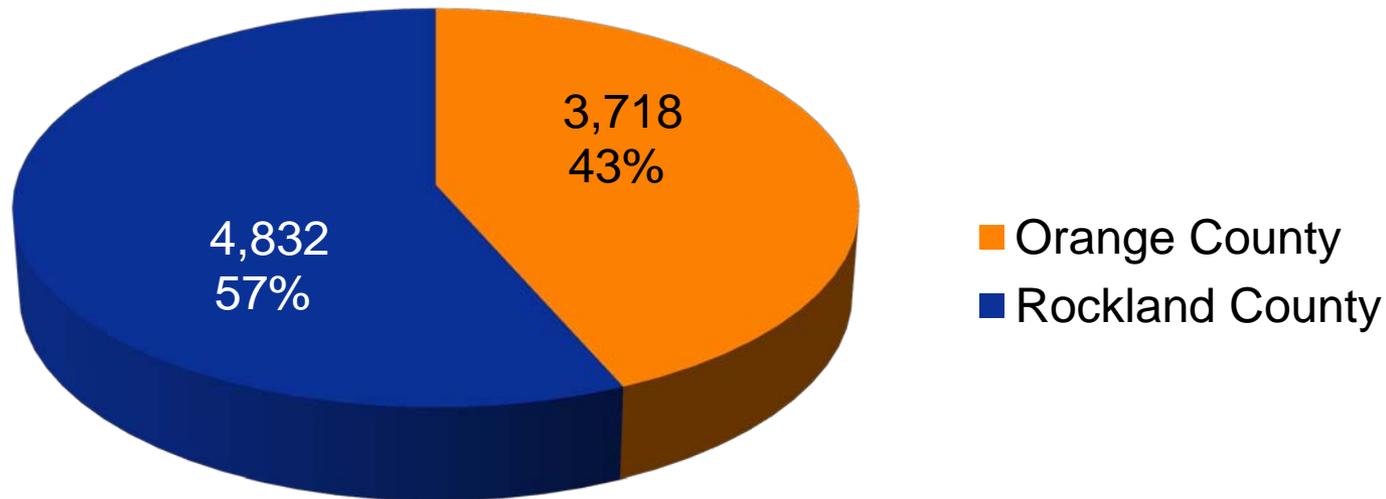
Monthly Gas Service Requests

■ Other New Business ■ Gas Conversions



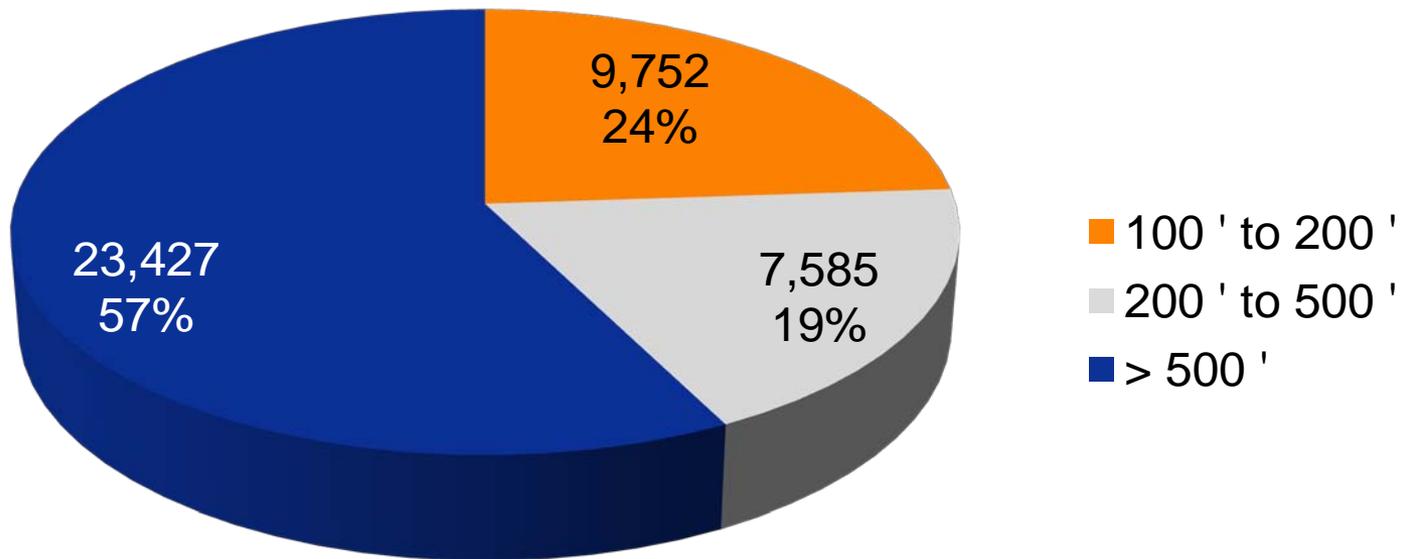
Electric Customers within 100' of Gas Main and Not Using Natural Gas – Within Gas Franchise

Total = 8,550



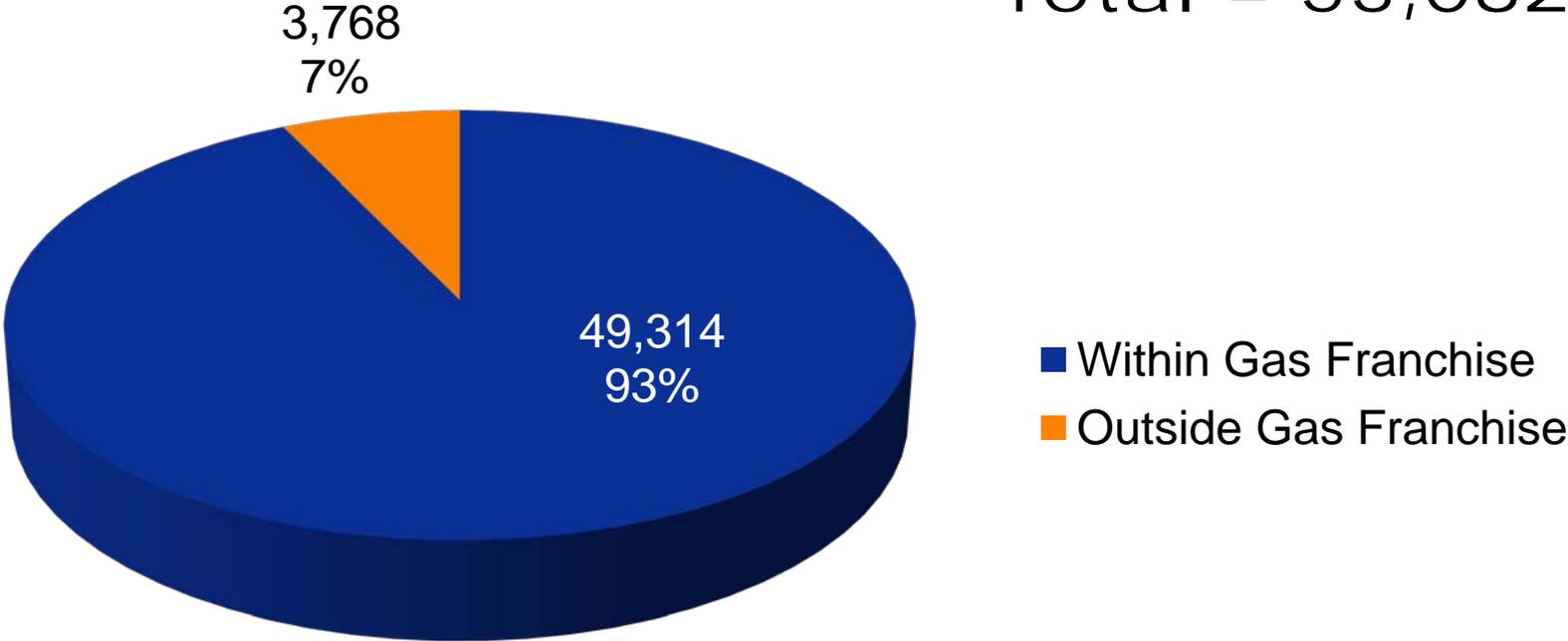
Electric Customers within Various Distances of Gas Main and Not Using Natural Gas – Within Gas Franchise

Total = 40,764

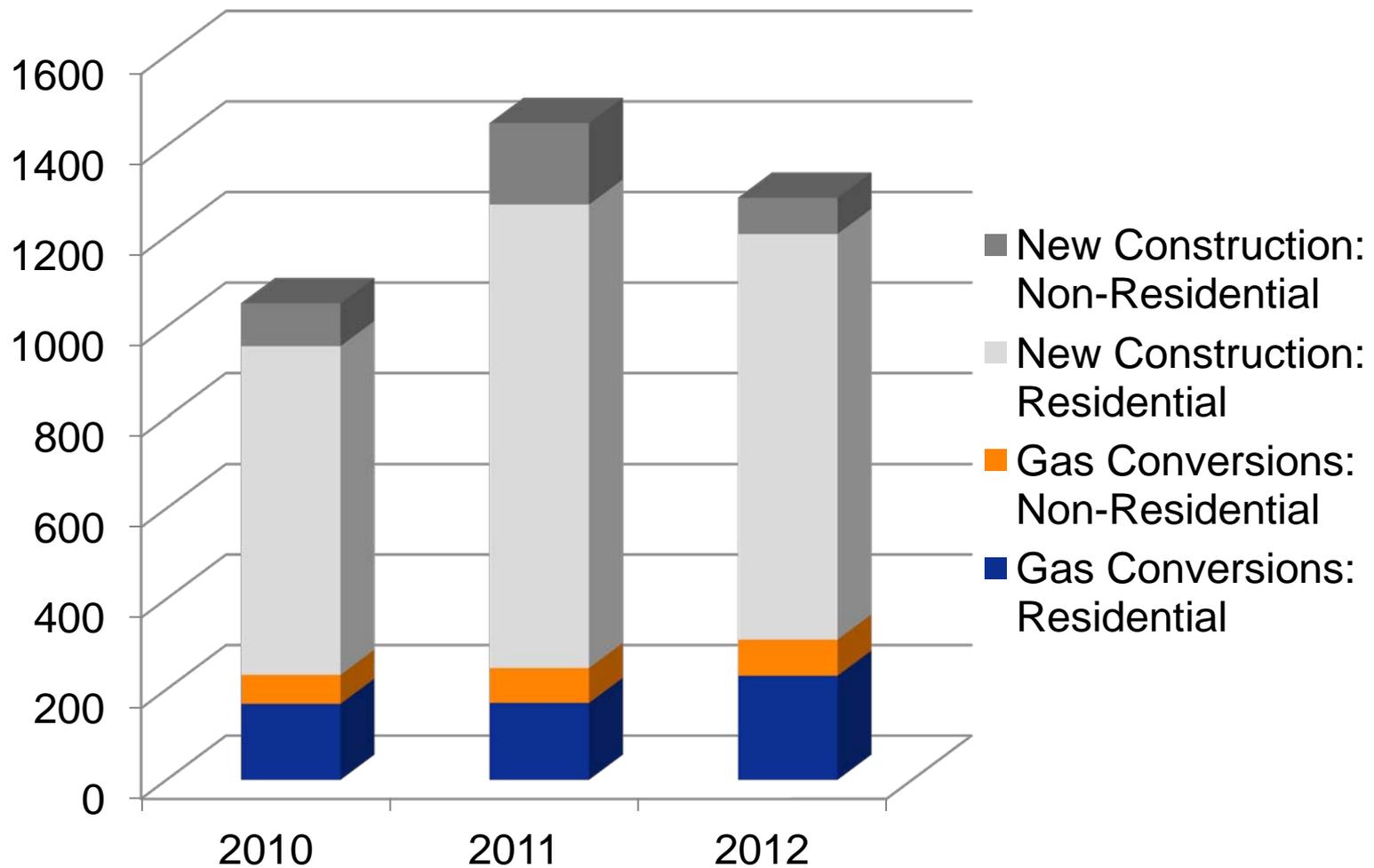


Total Orange & Rockland Electric Customers Not Using Natural Gas

Total = 53,082



Gas Conversions & New Construction Gas Services - 2010 - 2012



Challenges for O&R

- Rural nature of parts of service territory
- Lack of gas distribution main near customer growth areas
- Geography – rocky and hilly terrain
- Inconsistent permitting requirements add to costs and timeliness of projects
- Limitations of cost recovery mechanisms
- Customer knowledge, interest, and concerns

Challenges for Customers

- Lack of gas distribution main near development areas
- Upfront costs to convert equipment
- Lack of experience in conversion process
- Environmental concerns regarding oil equipment disposal

Gas Expansion Programs and Incentives

- Gas Conversion Rebates - \$500 for residential customers
- EEPS Incentives:
 - Efficient Residential Heating Systems - \$140 to \$700
 - C&I Program pending Commission approval

Customer Outreach

- Home Shows and Trade Shows
- Brochures
- Mailings
- Door to Door Canvassing
- Access to Customer Application for Service On Line at Project Central
- Website

Why heat with natural gas?

- Most people take natural gas service for granted—a testimony to its record of reliability. Think about it. Through all kinds of weather conditions, you can depend on natural gas service being there when you need it.
- When you heat with gas, there's no need for fuel deliveries and no need for an unsightly storage tank in your home.
- Unlike heating with oil, you pay only for the gas you use – after you use it.
- Compared to oil, natural gas also is a clean and efficient source of energy. Natural gas starts fast and is an excellent source of warm, comfortable heat. More than 58 million American homes use natural gas, and an impressive 70% of new single-family homes feature natural gas heat.*



It's a home-grown fuel

Natural gas is a domestic energy source— a “home-grown” fuel. About 84% of the natural gas consumed in the United States is produced in the U.S. Most of the rest — about 13% — comes from Canada.

In contrast, more than half of the oil used in the U.S. for vehicles, home-heating and other uses must be imported from foreign countries.

As a domestic resource, natural gas helps create jobs and economic stability. Using it also reduces our reliance on foreign sources of energy and helps to strengthen our national security interests.

Source: American Gas Association

Environmental Benefits of Natural Gas

Comparison of Air Pollution from Fossil Fuels

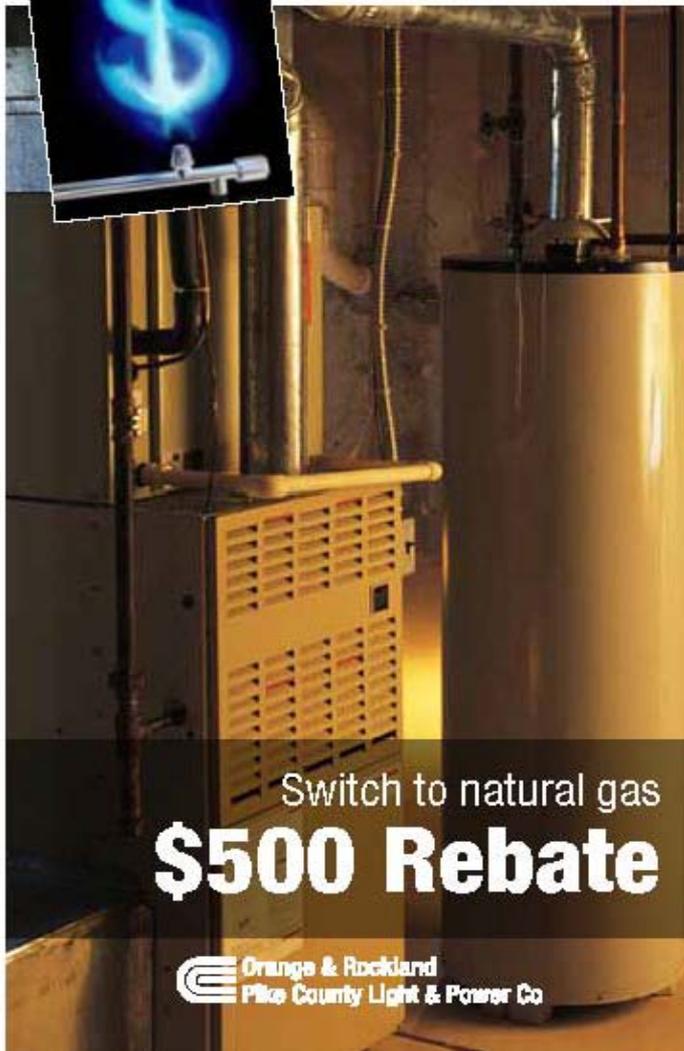
Pounds of air pollutants produced per billion BTU of energy

Fuel Source	Natural Gas	Oil	Coal
Carbon Dioxide	117,000	164,000	208,000
Nitrogen Oxides	92	448	457
Sulfur Dioxide	0.6	1,122	2,591
Particulates	7.0	84	2,744

Source: Energy Information Administration



Natural Gas Conversion



Switch to natural gas
\$500 Rebate

 Orange & Rockland
Pike County Light & Power Co



Why switch?

About 130,000 Orange & Rockland customers use natural gas in their homes and businesses every day. O&R and PCL&P deliver this natural gas through their underground network of approximately 1,800 miles of natural gas pipelines primarily in New York and Pennsylvania.



It's clean...

Natural gas is the cleanest of all fossil fuels and is simply the best energy choice for the environment.

It's domestic...

Increased use of natural gas can reduce our dependence on oil imported from the Middle East. About 99% of the gas we use comes from North America, with 84% from the United States.

It's economical...

Natural gas appliances are virtually maintenance-free and that means additional savings for you.

It's efficient...

When the entire cycle of producing, processing, transporting and using energy is considered, natural gas is delivered to you with a "total energy efficiency" of about 90%. Moreover, gas appliances and equipment are extremely efficient.

It's multi-purpose...

It can heat your entire home, heat your water, dry your clothes and help you cook your meals. New residential uses range from fireplaces and air conditioners to microturbines and fuel cells.

 Orange & Rockland
Pike County Light & Power Co.

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Customer Outreach Website Enhancements

