

National Grid Energy Efficiency Programs



Save Energy. Save Money.



nationalgrid

The power of action.™

Program Topics Today.....

- ◆ Energy Efficiency Overview
- ◆ Who Qualifies?
- ◆ High Efficient Heating Equipment Program
- ◆ Commercial, Industrial and Multifamily Programs

National Grid is the second-largest utility in the U.S.

The largest distributor of Natural Gas in the northeast U.S.

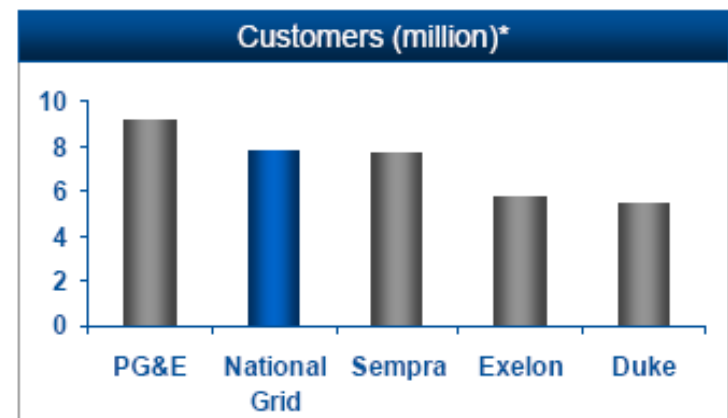
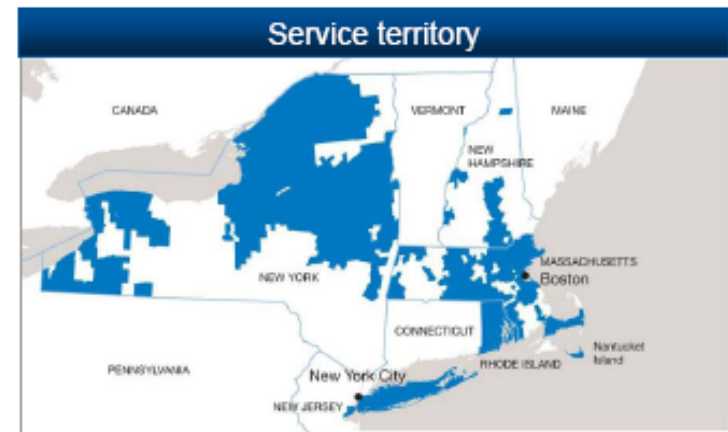
- ◆ Approximately 3.4 million customers in New York, Massachusetts, New Hampshire and Rhode Island

Delivers electricity to approximately 3.3 million customers

- ◆ Massachusetts, New Hampshire, New York and Rhode Island

Manages the electricity network on Long Island under an agreement with the Long Island Power Authority

- 3 ◆ Serving 1.1 million LIPA customers



National Grid's Energy Efficiency Experience

Long, uninterrupted history of program delivery in the US – 20+ years

- ◆ More than 4.7 million National Grid customer projects completed in New England, saving more than \$3.6 billion in energy costs
- ◆ Programs saved customers over \$250 million on an annual basis
- ◆ Over \$1 billion invested in efficiency

Programs have served as models for many programs across the US

Current budget of \$134 Million* (electric and gas) in New York, Massachusetts, New Hampshire and Rhode Island

* Excludes LIPA's \$46 Million Efficiency Program Budget

Energy Efficiency Overview

- ◆ Energy Efficiency programs - NY & LI
 - ◆ **Started August 2007**

High Efficiency? What is your Awareness?

Participation?

Customer Interest?

A Leader in Energy Solutions and Climate Action

National Grid aims to reduce its own green house gas emissions 80% by 2050

- ◆ Greenhouse gas emissions already reduced by 36% in the U.K. & 20% in the U.S. through the Company's low-carbon business model

National Grid is also focused on helping customers reduce CO₂ through:

- ◆ Gas and electric efficiency programs
- ◆ Promoting development and deployment of efficient technologies (Combined heat and power, high-efficiency heating & water heating, fuel cells, solar thermal, envelope improvements, thermostats and boiler resets)
- ◆ Oil-to-gas conversions (reduce GHG emissions by 27% to 40%)

Current efficiency budget of **\$126 Million*** (electric and gas) in all states

- ◆ Growth of approximately **30% a year** so that by 2012 the efficiency budget will be approximately **\$500 million**

“Minimizing our impact on the environment while delivering safe, secure and economic supplies of energy to customers is not an option, it is a must.”

– Steve Holliday,
National Grid CEO

Who Qualifies

- ◆ All National Grid customers on Firm Gas Tariffs (no Temperature Control /Interruptible customers)

惆 Gas to Gas Replacements

惆 New Construction

惆 Oil to Gas Conversions

Oil to Gas conversions – Discounted boiler pricing incentive

High Efficiency Heating Equipment

Heating Rebate (per unit installed):



- **FURNACES** - 92% AFUE* or greater (up to 150 MBH) \$200
92% AFUE or greater with ECM (up to 150 MBH) \$400
- **STEAM BOILERS** - 82% AFUE or greater (up to 300 MBH) \$700
- **HYDRONIC BOILERS** - 85% AFUE or greater (up to 2000 MBH) \$5,000
- **CONDENSING BOILERS** - 92% AFUE or greater - (up to 2000 MBH) \$15,000
- In **DIRECT FIRED WATER HEATERS** – up to 50 gal storage \$100, over 50 gal storage \$300
- **CONDENSING UNIT HEATERS, INFRARED HEATERS**
*Available for all commercially metered applications.
No pre-approval or energy audits required.*

Program Description

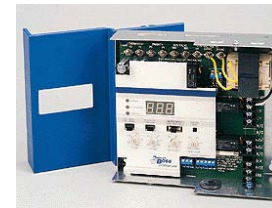
- **Commercial Program -**
 - Customers on a firm rate
 - Less than 12,000 dth of annual gas use
- **Industrial Program –**
 - Customers on firm rate used for processing or manufacturing
 - Exceptions for large institutions on central plant
 - Greater than 12,000 dth of annual gas use

Program Description

- **Multifamily Program -**
 - Customers on a firm rate
 - Serving the 5 to 50 unit buildings on LI
 - Serving the 5 to 75 unit buildings in NY

Prescriptive Improvements

- Programmable Thermostats \$25 (Limit five)
- Building Shell Insulation
 - Roof/Wall insulation @ 20% of installed cost of energy efficiency measure
- Boiler Reset Controls Rebate
 - Single stage units \$150
 - Multi stage units \$250
- Kitchen Equipment



Custom Rebates

Customer Energy Saving Program:

- Rebate based on therm savings and type of measures installed
- Max rebate of 50% of project cost or \$250K per project
- Requires Pre-Approval

Projects include:

- ✓ Most Heat Recovery Applications
- ✓ Advanced Technology
- ✓ Burner /Combustion Controls
- ✓ Natural Gas Absorption Cooling
- ✓ Large Steam Applications

Steam Program

Steam Survey

- Program will fund 25% of the steam survey to a max of \$2,500.
- If at least 50% of recommended repairs are completed, an additional 25% of the survey will be reimbursed, up to \$2,500 with a max of \$5,000.
- In return for funding, a comprehensive steam trap management procedure in accordance with the Department of Energy will be followed.
- Steam Trap and Pipe Insulation replacement will be incented through the Custom Program based on size of project.

Other Custom Energy Efficiency Programs

- Custom Energy Savings Program
Energy Audits
Engineering Grants /
Technical Assistance
- All program information is on the website !!!
www.thinksmarthinkgreen.com



Contact Information

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Make the difference, here to stay!!!!