

# Utility Rebates

*Services and Funding to Help Build “Green”  
Restaurants and Hospitality Facilities*

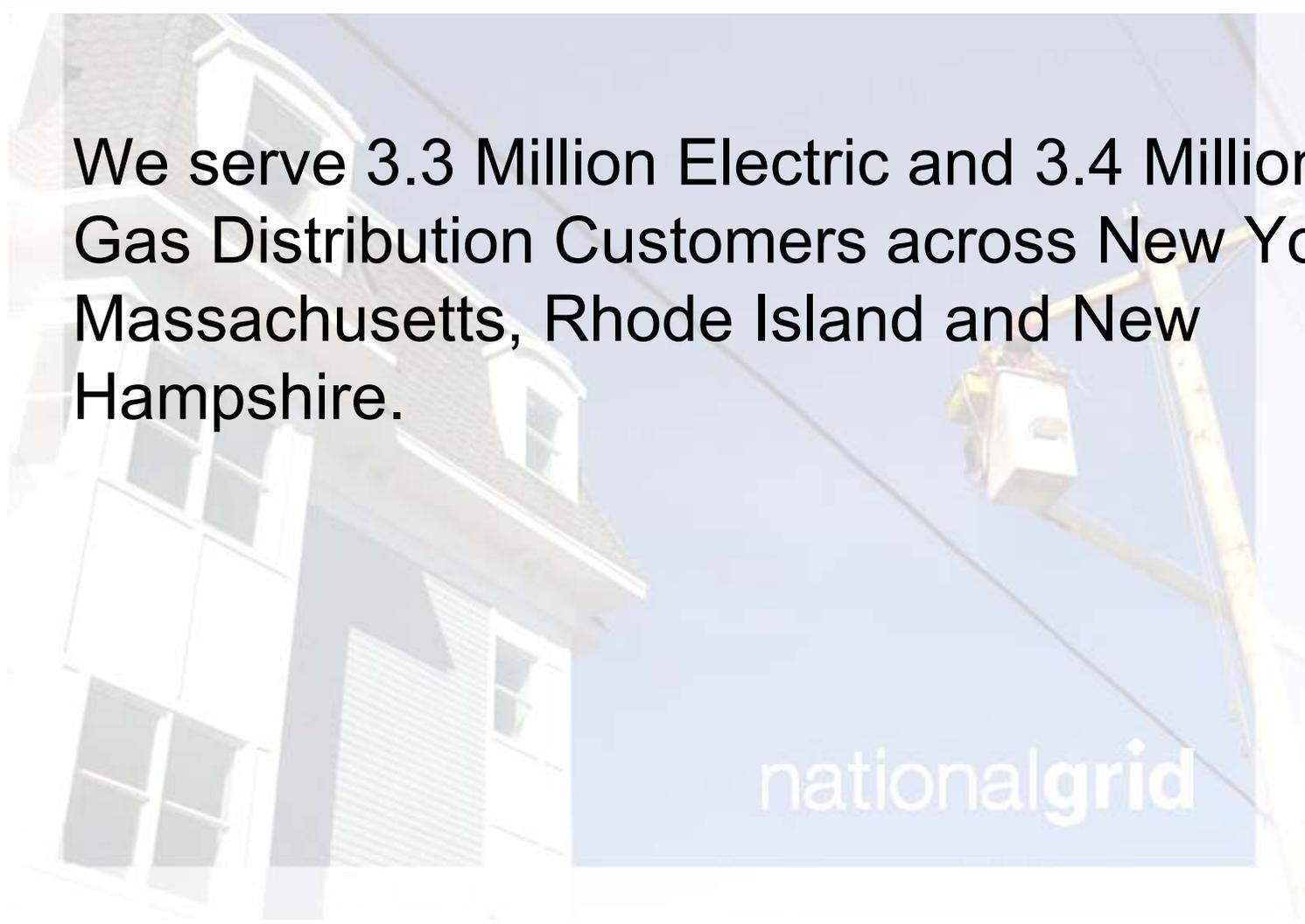
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Tom Coughlin  
Program Manager

# National Grid – Who are we?

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- ◆ We serve 3.3 Million Electric and 3.4 Million Gas Distribution Customers across New York, Massachusetts, Rhode Island and New Hampshire.



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WEDNESDAY, DECEMBER 4, 2008

# The Nation

sketches business incentives

## Buildings: Energy and Environment

- ◆ Use 1/3 of the Nation's primary energy. (This becomes over 50% when taking into account the energy use of the infrastructure needed to support buildings.)
- ◆ Use 2/3 of the Nation's electricity and 1/3 greenhouse gas emissions

44.84  
POINTS

Markets  
The US dollar  
0.9985 euro  
no change

10-year Treasury  
4.15% ▲ 0.09  
Bloomberg  
Mess

Fund firm to cut staff  
Pioneer Investment  
of the oldest  
plans

Business

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## **Efficiency Programs Benefit the Environment – What our customers have saved since 1992**

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- ◆ Equivalent savings in electricity to supply 45,000 homes a year
  - ◆ Reduced smoke stack emissions since 1992
    - ✓ 78,000 Tons Coal Reduction
    - ✓ 245,000 Tons CO<sub>2</sub>
    - ✓ 1,900 Tons SO<sub>2</sub>
    - ✓ 650 Tons NOX
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# Looking for Opportunities In Hospitality

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- ◆ Exit Signs
- ◆ LED or Electroluminescent
  - Replacing sign with 2- 35W (70W total) incandescent with .5 to 10W, LED/LEC (3W Typical)
  - Costs less than \$75 installed – \$20 Rebate - \$55 net
  - \$50 energy cost savings per year - 1.1 year payback plus lower maintenance costs

# Looking for Opportunities In Hospitality

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- ◆ What is a high efficient troffer
  - Looks like the same as a non-efficient fixture
  - Constructed to get more of the light from the lamp into the space
  - Increased uniformity and comfort
  - Less watts – typically fewer lamps to replace

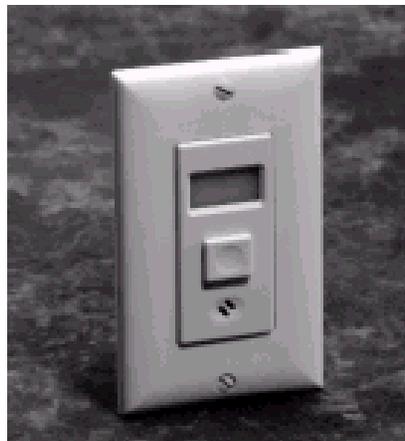


*Example: 2x4 parabolic, 75% vs 60% efficiency*

# Looking for Opportunities In Hospitality

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- ◆ Controls
  - Occupancy – Stand alone offices, Classrooms
  - Daylight Dimming



**Code 64 - \$30**

**Indoor Ceiling-Mounted 360°  
Motion Sensor**



**Code 61 - \$75**

**Code 62 – Dimming - \$40 per ballast**

# National Grid Program Offerings in Rhode Island



## ➤ *New Construction*

- ✓ Installation of energy efficient equipment and systems for new construction, major renovations and replacement of failed equipment
- ✓ Comprehensiveness and optimized systems through technical assistance
- ✓ Incentives up to 80% of incremental costs for electric Measures.
- ✓ Up to \$1.50 per annual therm saved for gas measures

## ➤ *Large Business Retrofit (for customer >200 kW demand)*

- ✓ Targets energy efficient opportunities for existing buildings and equipment
- ✓ Replaces inefficient equipment or systems
- ✓ Reduces owners operating costs
- ✓ Incentives up to 45% for electric measures
- ✓ Up to \$1.50 per annual therm saved for gas measures

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# National Grid Program Offerings in Rhode Island

- ◆ **Small Business Direct Install (for customer with < 200kW demand):**
  - **Retrofit lighting and select gas measures such as steam traps, boiler setback and pipe and duct insulation**
  - **For customers with monthly demand of 200 kilowatts or less**
  - ✓ **Provides a free energy audit and recommendation for energy efficiency improvements**
  - ✓ **Incentives of up to 70% of the cost of the installation of better performing equipment**
  - ✓ **Offers financing of the remaining 30% balance – interest free for up to 24 months**



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# More detailed services for gas technologies



- ◆ Energy Experts<sup>sm</sup>
  - ◆ Audit services
  - ◆ Engineering grants
  - ◆ High-efficiency heating incentives
    - ◆ High Efficiency Heating Systems for a broad range of steam and hydronic boilers, furnaces
    - ◆ High Efficiency indirect fired and on-demand tankless domestic hot water heaters
    - ◆ Thermostats
    - ◆ Steam Trap Replacement
    - ◆ Boiler Reset Controls
    - ◆ Pipe/Duct Insulation
  - ◆ Custom incentives for comprehensive building measures
  - ◆ CALL 1-800-843-3636 for more information



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# Gas Program Offerings in Rhode Island

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- ◆ Gas Networks provides incentives for:
  - ◆ High efficiency gas furnaces and boilers
  - ◆ Energy Star® labeled programmable thermostats
  - ◆ High Efficiency on-demand tank-less hot water heaters
  - ◆ Indirect water heaters
  - ◆ Gas-fired low intensity infrared heating units
  - ◆ **Energy Star® labeled gas-fired fryers**

# Commercial High-Efficiency Heating and Water Heating Program

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## **Rebate amounts (per unit installed):**

- ◆ Steam boilers, up to \$700
- ◆ Furnaces, up to \$500
- ◆ Condensing unit heaters, up to \$500
- ◆ Infrared heaters, up to \$700
- ◆ Direct fired heaters, up to \$2,000
- ◆ Hydronic boilers, up to \$5,000
- ◆ Condensing boilers, up to \$15,000

## **Other Prescriptive Improvements**

- Boiler Reset (multi stage \$250, 1 stage \$150)
- Steam Traps \$25 (limit 100)
- Programmable Thermostats \$25

# High Efficiency Kitchens

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Call to get a **FREE AUDIT**

1-800-843-3636

**Save on Hot Water**

Tankless Hot Water Heater

**Energy Star/High Efficiency  
Fryers and steamers- \$2000**

**Pre Rinse Spray Valves**



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# Electric Energy Efficiency Opportunity

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- ◆ Efficient lighting
- ◆ Demand controlled kitchen hoods
- ◆ Unitary AC units (Cool Choice)



# THANK-YOU

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For more info, log on to:

[www.nationalgrid.com](http://www.nationalgrid.com)

**CALL 1-800-843-3636 for more information**

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