

Utility Rebates

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

Mark DiPetrillo

Senior Program Manager

National Grid – Who are we?

- ◆ With the completion of the Keyspan merger, National Grid is the 2nd largest electric and gas utility in the US
- ◆ Today 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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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



Markets
The US dollar
0.9955 euro
no change
10-year Treasury
4.15% ▲ 0.09
Bloomberg
Mass

Fund firm to cut staff
Pioneer Investment
of the oldest
plans

Business

Yahoo

the midterm
astronaut who
said: "To hold
to speak out
action. Glenn
statement over the
and to establish a
committee. "It's
I think he's pro
I don't know

Efficiency Programs Benefit the Environment

What our customers have saved since 1992

- ◆ 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 CO₂
 - ✓ 1,900 Tons SO₂
 - ✓ 650 Tons NOX

Gas Program Offerings in Rhode Island



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

Gas Program Offerings in Rhode Island



- ◆ **Energy Expertssm**
 - ◆ **Audit services**
 - ◆ **Engineering grants**
 - ◆ **Custom incentives for comprehensive building measures**
 - ◆ **CALL 1-800-843-3636 for more information**

Commercial High-Efficiency Heating and Water Heating Program

Rebate amounts (per unit installed):

- **\$100** for a 92% AFUE furnace
- **\$400** for a 92% AFUE furnace (with ECM motor)
- Up to **\$6,000** for a 2MM Btu input condensing boiler
- **\$300** for On-Demand Tankless Water Heater

Other Prescriptive Improvements

- Boiler Reset (multi stage \$250, 1 stage \$150)
- Steam Traps \$25 (limit 100)
- Programmable Thermostats \$25
- Indirect fired Domestic Hot Water Heaters \$300

High Efficiency Kitchens

Call our Energy Expertssm

At 1-800-843-3636

Save on Hot Water

Tankless Hot Water Heater

Energy Star/High eff Fryers-
\$1000 rebate

Pre Rinse Spray Valves

Hood Controls (Special Measure)



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Custom Energy Savings Plan

- Rebate based on therm savings and type of measures installed.
- Up to 50% of the cost of measures
- Max rebate of \$100K per project
- Most energy efficient gas projects are eligible (co-gen, EMS, natural gas cooling, all types of insulation, windows, doors, etc.).
- Requires Pre-Approval



TransForm Pharmaceuticals – Lexington, MA

Waster Heat recovery from CHP system and solar collectors

- Rebate = \$100,000*
- Savings = 133,931 Therms*

Commercial Solar Thermal Hot Water

Commercial:

Solar Thermal - \$3/therm first year savings

Limit 50% project cost or \$100,000

- ◆ Domestic Hot Water
- ◆ Pool Heating

Step #1 - energy audit-RETScreen

Engineering Grant Funds up to \$10,000

Electric Program Offerings in Rhode Island

➤ *Design 2000plus - 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

➤ *Energy Initiative - Retrofit*

- ✓ Targets energy efficient opportunities for existing buildings and equipment
- ✓ Replaces inefficient equipment or systems
- ✓ Reduces owners operating costs
- ✓ Incentives up to 45%



Electric Program Offerings in Rhode Island

- ◆ **Small Business Program:**
 - **Retrofit lighting and other custom services**
 - **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 80% of the cost of the installation of better performing equipment**
 - ✓ **Offers financing of the remaining 25% balance – interest free for up to 24 months**

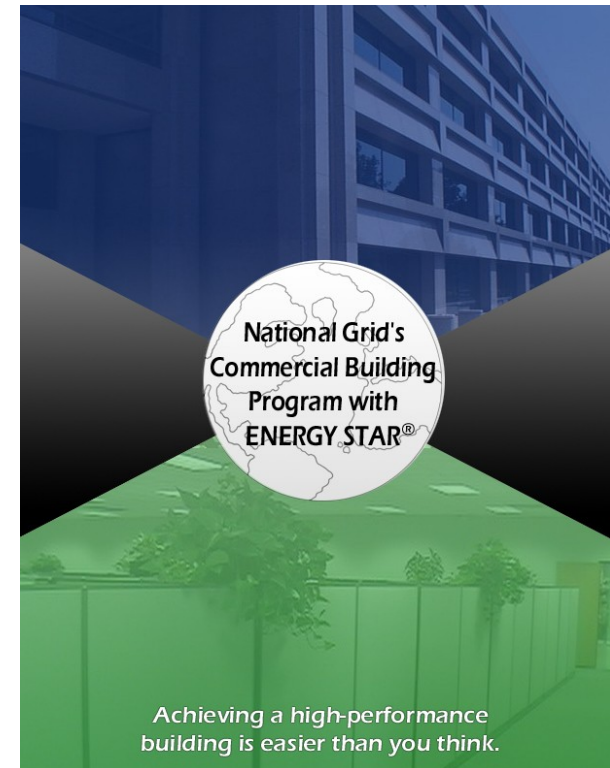


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Whole Building Benchmarking Program

- ◆ Provide expert advice on ways to lower energy costs
- ◆ Identify and implement cost-effective and energy-efficient projects
- ◆ Promote use of EPA's Energy Performance Rating System for ongoing performance measurement
- ◆ Furnish written action plan with following up on recommendations and installation
- ◆ Track resource consumption and costs
- ◆ Stimulate resource efficiency interest among staff
- ◆ Compare facility energy use to that of similar facilities



THANK-YOU

Mark DiPetrillo

For more info, log on to:

www.nationalgrid.com

CALL 1-800-843-3636 for more information

SECTION 7: Energy

IMPORTANT: Free energy audits are available to businesses through National Grid. The audit will include a report of recommended energy efficiency improvements, as well as information about available incentives. For more information, call National Grid at 1-800-332-3333, or visit <http://www.nationalgridus.com/narragansett/business/energyeff/energyeff.asp>.

- Kilowatt hours of electricity used in 200__ _____
- Kilowatt hours of electricity used in 2006 _____ 10 Points
- Cubic feet of natural gas used in 200__ _____
- Cubic feet of natural gas used in 2006 _____ 10 Points
- ✓ Indoor lighting shall be energy-efficient (compact fluorescent bulbs to T-8 fluorescent) **OR** on a schedule for replacement with energy-efficient lighting. The first lights replaced shall include lights typically on for 24 hours (e.g., hallways, exit signs, lobby lights, etc.), followed by lights typically on for 8+ hours (e.g., restrooms, staff offices, meeting rooms, etc.). All indoor lights not currently energy-efficient shall be part of a 5-year replacement schedule. Lighting fixtures that are clearly historic in nature or specialty light fixtures (e.g., display or accent lighting) may be exempt from this requirement if compatible options are not available (free energy audits and incentives are available from National Grid).
- 90% to 100% of the property
approx # of CFL's _____ Avg. CFL's per room _____ 15 Points
- 50% to 90% of the property
approx # of CFL's _____ Avg. CFL's per room _____ 3 Points
- 25% to 50% of the property
approx # of CFL's _____ Avg. CFL's per room _____ 1 Point
- ✓ LED or electroluminescent exit signs through out 100% of property.
approx # _____ 5 Points
- ✓ Programmable on/off timers and/or sensors shall be used for lighting and HVAC in low traffic and low occupancy areas (e.g., back of the house, corridors, meeting rooms, storage rooms, equipment rooms, parking lots)
- 100 % of all interior common areas, guest rooms and exterior 5 Points
- Timers for all exterior lights but no interior 2 Points
- Some interior common areas and some exterior 2 Points

- ✓ Install high efficiency “energy star” appliances.
 - 100% of property 5 Points
 - 50 - 90% of property 2 Points
 - Describe types of products used, and where

- ✓ Low E or thermapane windows.
 - 75 - 100% of property 10 Points
 - 50 - 75% of property 5 Points
- ✓ Install high efficiency air conditioning units. SEER of 13 or greater or EER of 11 or greater. 10 Points
- ✓ Natural light substituting for electrical light, or use of the daytime dimming sensor. 5 Points
- ✓ Hybrid vehicle for business. 10 Points
- ✓ Comply with the Rhode Island Diesel Engine Anti-Idling Program requirements (RIDEM Air Pollution Control Regulation No. 45), especially hotel motor coaches picking up or dropping off passengers at T. F. Green Airport. The regulation prohibits the unnecessary idling of a diesel motor vehicle for more than five minutes. 5 Points
- ✓ Solar hot water system. 50 Points
- ✓ Use solar panels or wind turbines to generate electricity. 20-75 Points
- ✓ Purchase clean electricity through CleanEnergyRI (<http://www.cleanenergyri.com/>)
 - Entire business 75 Points
 - Partial facility 25-50 Points
- ✓ Purchase carbon off sets (renewable energy credit, green tags, etc.) Learn more by visiting Tufts Climate initiative, Voluntary Carbon Offset Information Portal, at <http://www.tufts.edu/tie/tci/carbonoffsets/index.htm> Points negotiable
 - quantity _____

Energy Category point total: _____