

# Pre-Qualified Natural Gas Efficiency

Applicant \_\_\_\_\_ Facility \_\_\_\_\_

## Completing the Natural Gas Efficiency Measure Application

- Fill in the appropriate fields for individual natural gas efficiency measures on pages 2 through 5
- To calculate the **Total Incentive** for each measure, multiply the **Count** (quantity of installed equipment) by the **Unit Incentive** and enter this amount in the **Total Incentive** column
- Enter the sum of the **Total Incentive** for each category on the summary worksheet below
- Add these **Total** amounts together for the **Grand Total** amount on the last line

## General Eligibility Requirements for Natural Gas Efficiency

- Pre-Qualified projects must submit an application for incentives within 90 days of invoice for the purchase and installation of Pre-Qualified measures
- All natural gas measures are for Con Edison firm rate gas customers only
- Used or rebuilt equipment is not eligible
- Please attach:
  - 1) Main program application  
[http://www.nyserd.org/programs/Existing\\_Facilities/pdfs/Existing%20Facilities%20Application.pdf](http://www.nyserd.org/programs/Existing_Facilities/pdfs/Existing%20Facilities%20Application.pdf)
  - 2) Recent utility bills, with SBC notation
  - 3) Invoices, including purchase and installation price, and
  - 4) Equipment specification sheets, including product manufacturer and model number
- ENERGY STAR requirements for boilers are located at: [http://www.energystar.gov/index.cfm?c=boilers.pr\\_boilers](http://www.energystar.gov/index.cfm?c=boilers.pr_boilers)
- ENERGY STAR requirements for programmable thermostats are located at: [http://www.energystar.gov/index.cfm?c=thermostats.pr\\_thermostats](http://www.energystar.gov/index.cfm?c=thermostats.pr_thermostats)
- ENERGY STAR requirements for commercial kitchen equipment are located at: [http://www.energystar.gov/index.cfm?c=commercial\\_food\\_service.commercial\\_food\\_service](http://www.energystar.gov/index.cfm?c=commercial_food_service.commercial_food_service)

## Individual Measure Incentive Totals

High Efficiency Furnaces and Boilers ( $\leq 300,000$  Btu/h rated input capacity) (page 2) . . . . . Total \$ \_\_\_\_\_

High Efficiency Furnaces and Boilers ( $> 300,000$  Btu/h rated input capacity) (page 2) . . . . . Total \$ \_\_\_\_\_

Water Heating Equipment (page 3) . . . . . Total \$ \_\_\_\_\_

Space Heating Equipment (page 3) . . . . . Total \$ \_\_\_\_\_

Commercial Kitchen Equipment (page 4) . . . . . Total \$ \_\_\_\_\_

Commercial Steam Traps Replacement (page 5) . . . . . Total \$ \_\_\_\_\_

**Grand Total Natural Gas Efficiency Incentive Requested \$ \_\_\_\_\_**

## Project Cost Information (Required)

Total cost of materials and labor for installed natural gas equipment . . . . . Total \$ \_\_\_\_\_

## Project Type *(Please check one)*

- New Construction or Major Renovation
- Replacement or Retrofit (Existing Facilities)

# Pre-Qualified Natural Gas Efficiency

## High Efficiency Furnaces and Boilers (≤300,000 Btu/h rated input capacity)

Measure Description and Eligibility Criteria	Measure Code	Unit Size	Count	Unit Incentive	Total Incentive
<b>High Efficiency Natural Gas-fired Air Furnace</b> <ul style="list-style-type: none"> <li>Each eligible unit must have a minimum Annual Fuel Utilization Efficiency (AFUE) of 90%</li> </ul>	AF-1	≤300,000 Btu/h		\$500/unit	
<b>High Efficiency Natural Gas-fired Hot Water Boiler</b> <ul style="list-style-type: none"> <li>Each eligible unit must meet or exceed ENERGY STAR requirements</li> </ul>	B-1	≤300,000 Btu/h		\$600/unit	
<b>High Efficiency Natural Gas-fired Hot Water Boiler</b> <ul style="list-style-type: none"> <li>Each eligible unit must have a minimum AFUE of 90%</li> </ul>	CB-1	≤300,000 Btu/h		\$1,000/unit	
<b>High Efficiency Natural Gas-fired Steam Boiler</b> <ul style="list-style-type: none"> <li>Each eligible unit must have a minimum AFUE of 82%</li> </ul>	SB-1	≤300,000 Btu/h		\$600/unit	
<b>High Efficiency Natural Gas-fired Unit Heater</b> <ul style="list-style-type: none"> <li>Each eligible unit must have a minimum thermal efficiency of 90%</li> </ul>	UH-1	≤300,000 Btu/h		\$1,000/unit	
<i>(enter on page 1)</i> <b>Total Furnaces and Boilers (≤300,000 Btu/h) Incentive Requested</b>					<b>\$</b>

## High Efficiency Furnaces and Boilers (>300,000 Btu/h rated input capacity)

Measure Description and Eligibility Criteria	Measure Code	Unit Size	Count	Unit Incentive	Total Incentive
<b>High Efficiency Natural Gas-fired Hot Water Boiler</b> <ul style="list-style-type: none"> <li>Each eligible unit must have a minimum thermal efficiency of 85%</li> </ul>	B-2	>300 to ≤500 kBtu/h		\$750/unit	
	B-3	>500 to ≤1,000 kBtu/h		\$1,500/unit	
	B-4	>1,000 to ≤1,700 kBtu/h		\$2,500/unit	
	B-5	>1,700 kBtu/h		\$3,000/unit	
<b>High Efficiency Natural Gas-fired Hot Water Boiler</b> <ul style="list-style-type: none"> <li>Each eligible unit must have a minimum thermal efficiency of 90%</li> </ul>	CB-2	>300 to ≤500 kBtu/h		\$1,500/unit	
	CB-3	>500 to ≤1,000 kBtu/h		\$2,500 /unit	
	CB-4	>1,000 to ≤1,700 kBtu/h		\$3,500/unit	
	CB-5	>1,700 kBtu/h		\$4,500/unit	
<b>High Efficiency Natural Gas-fired Steam Boilers</b> <ul style="list-style-type: none"> <li>Each eligible unit must have a minimum thermal efficiency of 79%</li> </ul>	SB-2	>300 to ≤2,500 kBtu/h		\$1.00/kBtu/h	
<b>High Efficiency Natural Gas-fired Steam Boilers</b> <ul style="list-style-type: none"> <li>Each eligible unit must have a minimum thermal efficiency of 80%</li> </ul>	SB-3	>2,500 to ≤10,000 kBtu/h		\$1.00/kBtu/h	
<i>(enter on page 1)</i> <b>Total Furnaces and Boilers (&gt;300,000 Btu/h) Incentive Requested</b>					<b>\$</b>

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# Pre-Qualified Natural Gas Efficiency

Water Heating Equipment					
Measure Description and Eligibility Criteria	Measure Code	Unit Size	Count	Unit Incentive	Total Incentive
<b>Storage Water Heater Tank Insulation</b> <ul style="list-style-type: none"> <li>Water heater must be natural-gas fired</li> <li>Incentive is paid per square-foot of insulated surface</li> </ul>	WH-1	N/A		\$1.00/sq. ft.	
<b>New Circulation Controls Applicable for Reducing Standby Losses on Domestic Hot Water</b> <ul style="list-style-type: none"> <li>Control must be installed on natural-gas fired heating systems</li> </ul>	WH-2	N/A		\$500/unit	
			<i>(enter on page 1)</i>	<b>Total Water Heating Equipment Incentive Requested</b>	<b>\$</b>

Space Heating Equipment					
Measure Description and Eligibility Criteria	Measure Code	Count	Unit Incentive	Total Incentive	
<b>New, Low-intensity, Infrared Gas-fired Unit Heaters</b> <ul style="list-style-type: none"> <li>Only building heating applications are eligible</li> </ul>	HE-1		\$500/unit		
<b>New Vent Damper</b> <ul style="list-style-type: none"> <li>Only vent dampers added to existing natural-gas fired furnace/boiler installations are eligible</li> <li>Vent dampers on new furnace/boiler are not eligible</li> </ul>	HE-2		\$1.00/kBtu/h		
<b>New Pipe Insulation</b> <ul style="list-style-type: none"> <li>Insulation R-value &gt; 4</li> <li>Insulation must be installed on pipes in natural-gas fired heating systems</li> <li>Incentive is paid per linear foot of insulated pipe</li> </ul>	HE-3		\$3.00/foot		
<b>New Duct Insulation</b> <ul style="list-style-type: none"> <li>Insulation R-value &gt;10</li> <li>Insulation must be installed on ducts in natural-gas fired heating systems</li> <li>Incentive is paid per linear foot of insulated duct</li> </ul>	HE-4		\$0.50/foot		
<b>New Programmable Thermostats</b> <ul style="list-style-type: none"> <li>New construction projects are not eligible</li> <li>Unit must meet or exceed ENERGY STAR requirements</li> </ul>	HE-5		\$25/unit		
<b>Demand Control Ventilation</b> <ul style="list-style-type: none"> <li>Carbon dioxide sensor must be installed in conjunction with a fully functioning controls-governed economizer</li> </ul>	HE-6		\$200/unit		
			<i>(enter on page 1)</i>	<b>Total Space Heating Incentive Requested</b>	<b>\$</b>

# Pre-Qualified Natural Gas Efficiency

Commercial Kitchen Equipment				
Measure Description and Eligibility Criteria	Measure Code	Count	Unit Incentive	Total Incentive
<b>New Gas-fired Fryer</b> <ul style="list-style-type: none"> <li>Open deep-fat, pressure/kettle, flat bottom, and specialty fryers are eligible</li> <li>Unit must meet or exceed ENERGY STAR requirements</li> </ul>	GK-1		\$750/unit	
<b>New Natural Gas Cooking Broiler</b> <ul style="list-style-type: none"> <li>Over-fired uprights, salamander, cheese-melting broilers, and under-fired (charbroiler) gas broilers are eligible</li> <li>Unit must have cooking efficiency over 30%</li> </ul>	GK-2		\$500/unit	
<b>New Full-size Gas-fired Convection Oven</b> <ul style="list-style-type: none"> <li>Infrared and powered burners, convection, etc. are eligible</li> <li>Unit must have cooking efficiency over 40%</li> </ul>	GK-3		\$500/unit	
<b>New Natural Gas Combination Oven</b> <ul style="list-style-type: none"> <li>Unit must have cooking efficiency over 40%</li> </ul>	GK-4		\$750/unit	
<b>New Natural Gas-fired Steamer</b> <ul style="list-style-type: none"> <li>Unit must meet or exceed ENERGY STAR requirements</li> </ul>	GK-5		\$750/unit	
<b>New Gas Griddle</b> <ul style="list-style-type: none"> <li>3-foot, flat gas griddle with infrared burners are eligible</li> <li>Unit must have cooking efficiency &gt;45% and idle energy rate &lt;14,500 Btu/h</li> </ul>	GK-6		\$500/unit	
<b>Commercial Kitchen Spray Valve</b> <ul style="list-style-type: none"> <li>Any low-flow, pre-rinse spray valve with a flow rate of &lt;1.6 gallons per minute at 60 psi is eligible</li> </ul>	GK-7		\$30/unit	
		(enter on page 1)	<b>Total Kitchen Equipment Incentive Requested</b>	<b>\$</b>

# Pre-Qualified Natural Gas Efficiency

## Commercial Steam Traps Replacement

Measure Description and Eligibility Criteria	Measure Code	Count	Unit Incentive	Total Incentive
<b>Commercial Steam Trap Replacement</b> <ul style="list-style-type: none"> <li>• Steam must be generated by the use of natural gas</li> <li>• Technicians must complete a temperature and ultrasonic evaluation of each steam trap to be replaced</li> <li>• Steam traps may be rebuilt, provided that all replacement parts are new</li> <li>• Replacement with an orifice trap is not eligible for incentive</li> <li>• New construction projects are not eligible</li> <li>• Applicant must submit the steam trap replacement information form (<i>see below</i>)</li> </ul>	G-1		\$70/unit	
<i>(enter on page 1)</i>			<b>Total Steam Traps Incentive Requested</b>	<b>\$</b>

## Steam Trap Replacement Information

Area of Facility or Equipment Served by Steam Trap	Make of Trap	Type (IB, F&T, Other)	Pipe Size	Pressure (PSIG)	Application (Drip, Process, Other)	Trap Condition or Comment (Failed Open, Failed Closed, etc.)	Cost of Replacement (Excluding Taxes)