

**SCHEDULE 302
COMMERCIAL/INDUSTRIAL CONSERVATION PROGRAM**

AVAILABILITY

This program is available to commercial and industrial customers served on rate schedules 504, 505, 511, and 570.

PROGRAM DESCRIPTION

This program is designed to increase energy efficiency in commercial/industrial facilities within Cascade's service territory by providing rebates for the installation of certain energy efficiency measures in qualifying facilities.

MEASURES AND INCENTIVES

The following measures are deemed cost-effective and may be recommended under this program. Energy efficiency measures not listed may still be eligible for custom incentives providing the incremental costs of the measure do not exceed 1.33 times the lifetime discounted therm savings. Incentives for site-specific program measures will be based on 25% of the avoided cost savings of the measures, not to exceed 50% of the incremental cost of the measure.

Measure	Description	Efficiency Type For Qualification	Unit Incentive
HVAC Unit Heater	High-Efficiency Non-Condensing with Electronic Ignition	Minimum 86% Thermal Efficiency	\$1.50/kBtu/hr
HVAC Unit Heater	High Efficiency Condensing	Minimum 92% Thermal Efficiency	\$3/kBtu/hr
Warm Air Furnace	High Efficiency Condensing Furnace	Minimum 91% Thermal Efficiency	\$3/kBtu/hr
Radiant Heating	Direct Fired Radiant Heating	None	\$10/kBtu/hr
Insulation	Attic Insulation (retrofit only)	Tier One: Minimum R-30 Tier Two: Minimum R-45	Tier One: \$1.10/sq. ft. Tier Two: \$1.25/sq. ft.
Insulation	Roof Insulation (retrofit only)	Tier One: Minimum R-21 Tier Two: Minimum R-30	Tier One: \$1.35/ sq. ft. Tier Two: \$1.60/ sq. ft.
Insulation	Wall Insulation (retrofit only)	Tier One: Minimum R-11 ¹ Tier Two: Minimum R-19	Tier One: \$1.10/sq. ft. Tier Two: \$1.25/sq. ft..
Domestic Hot Water Tanks	Condensing Tank	Minimum 91% Thermal Efficiency	\$2.50/kBtu/hr
Domestic Hot Water Tankless Water Heater	Energy Star	.82 EF	\$60/gpm
Boiler	High Efficiency Condensing Boiler with Electronic Ignition	Minimum 90% Thermal Efficiency and 300 kBtu input	\$4/kBtu/hr
Boiler Vent Damper	Boiler Vent Damper	Minimum 1,000 kBtu input	\$1,000/vent damper
Boiler Steam Trap ²	Steam Trap fitted to Steam Boiler (retrofit only)	Min 300 kBtu input and steam pressures at 7psig or greater	\$125
3 Pan Gas Steamer	Connectionless Energy Star or CEE/FSTC Qualified	>=38% Cooking Efficiency; <=2,083 Btu/hr/pan Idle Rate	\$850

(K) refers to text previously on Sheet No. 302 that is now found on Sheet No. 302-A
(continued)

CNG/W17-12-01
Issued January 17, 2018

Effective for Service on and after
February 1, 2018

Issued by CASCADE NATURAL GAS CORPORATION

By: 

Mike Parvinen

Director, Regulatory Affairs

**SCHEDULE 302
COMMERCIAL/INDUSTRIAL CONSERVATION PROGRAM**

MEASURES AND INCENTIVES (continued)

Measure	Description	Efficiency Type For Qualification	Unit Incentive
6 Pan Gas Steamer	Connectionless Energy Star or CEE/FSTC Qualified	>=38% Cooking Efficiency; <=2,083 Btu/hr/pan Idle Rate	\$1,200
Gas Fryer	Energy Star	None	\$600
Gas Convection Oven	Energy Star	>=42% Cooking Efficiency; <=13,000 BTU/hr Idle Rate	\$500
Double Rack Oven	FSTC Qualified	>=50% Cooking Efficiency; <=3,500 Btu/hr/ Idle Rate D Rack	\$2,000
Gas Griddle	Energy Star	>=38% Cooking Efficiency; <=2650 Btu/hr-sq ft Idle Rate	\$500
Door Type Dishwasher Low Temp Gas	Energy Star	<=.6 kw Idle Rate<=1.18 gallon/rack	\$800
Multi-Tank Conveyor Low Temp Dishwasher Gas Main w/ Electric Booster	Energy Star	<=2.0 kw Idle Rate <=.50 gallon/rack	\$2,000
Clothes Washer	Commercial Gas Washer	1.8 MEF	\$180
Motion Control Faucet	Motion Control Faucet	Flow Rate 1.8 gpm Maximum	\$105
Recirculation Controls	Continuous Operation DHW Pump	Add Time lock Control to DHW circulation pump	\$100
Ozone Injection Laundry ³	Venturi Injection or Bubble Diffusion – Minimum 125 lb Total Washer/Extractor Capacity	Pre-Approved by CNG	\$2,500
Energy Savings Kit A	Kitchen PRSV & Bath Aerators	<= 1.0 gpm /0.75 gpm Flow Rate	Free (Value of \$55)
Energy Savings Kit B	Low Flow Showerhead Kit	<= 1.85 gpm Flow Rate	Free (Value of \$25)
Gas Conveyor Oven	Natural Gas Conveyor Oven	>42% tested baking efficiency	\$600
Demand Control Ventilation	For Packaged HVAC Units equipped with Gas Fired Furnace Sections and Direct Expansion Cooling Sections	≥ 5 ton (60,000 btu/hr) and ≤ 20 ton (240,000 btu/hr) Meets Northwest Joint Utility Advanced Rooftop Control (ARC) Guidelines for DCV Control	\$12/nominal ton capacity
Piping Insulation	Insulation of piping conveying hot fluids generated from gas fired equipment (retrofit only)	Tier 1: >140F and 200F 1.5 inch thick insulation Tier 2: >= 200F 2.5 inch thick insulation	Tier 1: \$4.50 per linear foot Tier 2: \$9 per linear foot
Bundles ⁴	Applications that contain multiple rebate eligible measures may qualify for an additional Bundle rebate.	Bundle A: 2 insulation measures, minimum 1,000 sf Bundle B: 2 kitchen equipment measures Bundle C: 3 kitchen equipment measures	Bundle A: \$500 Bundle B: \$150 Bundle C: \$300

¹ Minimum value of R-11 applies only where existing walls have no internal insulation cavities.
² To qualify for rebate, steam trap size must be <2", minimum 25 psig trap design pressure. This measure will only be allowed where the customer agrees to have the trap regularly maintained and replaced every seven years.
³ Qualifying customers with Commercial laundries that utilize gas heated hot water.
⁴ Kitchen equipment is defined as dishwashers, steamers, oven fryers, and griddles. Bundles are subject to change in consultation with the conservation Advisory Group.

(M) refers to text previously found on Sheet No. 302 that is now on Sheet No. 302-A.
 (K) refers to text previously found on Sheet No. 302-A that is now on Sheet No. 302-B.

(continued)

(T)
 (T)
 (T)
 (M)
 (M)

(K)
 (T)
 (T)
 (T)

SCHEDULE 302
COMMERCIAL/INDUSTRIAL CONSERVATION PROGRAM

(T)
(T)

PROGRAM SPECIFICATIONS

(T) (M)

- 1. All high efficiency HVAC, water heating, and or cooking equipment must either be a new installation or must be replacing standard efficiency natural gas equipment. Buildings currently using high efficiency equipment are not eligible for this program. (D)(T)
(T)
- 2. Insulation measures must be installed in an existing building heated by natural gas without insulation in the portion being treated. (T)
(T)
- 3. Eligible measures must be installed during the effective dates of this program to receive a rebate (T)
- 4. Customers requesting site-specific energy efficiency measures must submit estimated costs and natural gas savings associated with the project. Natural gas savings are to be calculated using standard engineering practices. The Company will review the natural gas savings calculations, and reserves the right to modify energy savings estimates. (T)
- 5. Mixed-purpose facilities that include buildings on both Residential Rate Schedule 503 and qualifying Rate Schedules 504, 505, 511, or 570, as part of the same Cascade customer account, shall also be eligible for custom conservation incentives as described in this schedule. (T)
|
(T)(D)
- 6. All installations and equipment must comply with all codes and permit requirements applicable in the state of Washington and must be properly inspected, if required, by appropriate agencies. The Company may establish specifications regarding any measures and modifications to be affected and may conduct inspections to ensure that such specifications are met. (T)
- 7. The customer must submit to the Company the required documentation demonstrating the purchase and installation of the measure. Submissions must comply with the terms and instructions on the Company's current rebate form. (T)
(T)
- 8. The Company reserves the right to verify installation prior to payment of any rebates. (T)
- 9. The Company reserves the right to alter, amend, or cancel this program at any time. (T) (M)

PROGRAM COST RECOVERY

(N)

The administrative and program delivery costs associated with this program will be accounted for and recovered through an annual deferral amortization.

(N)
(N)

(M) refers to language previously found on Sheet No. 302-A that is now on Sheet No. 302-B.

(T)

CNG/W17-12-01

Issued December 1, 2017

Effective for Service on and after

February 1, 2018

Issued by **CASCADE NATURAL GAS CORPORATION**

By: 

Mike Parvinen

Director, Regulatory Affairs