

CASCADE NATURAL GAS CORPORATION

Eleventh Revision Sheet No. 300

Canceling

WN U-3

Tenth Revision Sheet No. 300

SCHEDULE 300
RESIDENTIAL CONSERVATION INCENTIVE PROGRAM

AVAILABILITY

This program is available throughout Cascade's Washington service territory to qualifying residential customers served on rate schedule 503 upon meeting the requirements contained in the following eligibility section.

PROGRAM DESCRIPTION

This program is designed to increase energy efficiency in residential households within Cascade's service territory by providing rebates for the installation of certain energy efficiency measures in qualifying residential dwellings.

ELIGIBILITY

To qualify for incentives, customers must meet the end-use qualifications identified in the Measures and Incentive Table below. Additionally, as applicable to the project, baseline insulation levels in existing structures must not exceed the following baseline specifications in order to qualify for an incentive.

| | Existing Insulation Level |
|---------------|---------------------------|
| Ceiling/Attic | R-19 or less |
| Floor | R-11 or less |
| Wall | R-4 or less |

Rebates are intended to incentivize high efficiency choices and where existing equipment meets the high efficiency standard, replacement with a high efficiency upgrade is disallowed.

MEASURES AND INCENTIVES

The following measures are deemed cost effective and may be recommended under this program.

| Whole Home Packages ¹ | Description | Incentive Amount |
|--|--|------------------|
| ENERGY STAR [®] Certified Home | National Program Requirements Version 3.2 (Rev. 09) ¹ | \$2,000 |
| BUILT GREEN [®] Washington Certified Home | Certified from one to five stars ¹ | \$2,000 |
| Stand Alone Measures | Description | Incentive Amount |
| High Efficiency Gas Furnace | 95% AFUE ¹ | \$400 |
| High Efficiency Combination Radiant Heat | 95% AFUE Combination Domestic Hot Water and Hydronic Space Heating System using pre-approved Combination Boiler ^{1,2,5} | \$1,250 |
| Condensing High Efficiency Tankless Water Heater | .93 UEF ² | \$350 |
| High Efficiency Gas Hearth (Fireplace) with Intermittent Ignition | 70% EnerGuide (FE) Efficiency Rating ⁶ | \$300 |
| Wall Insulation ¹ | Equal to or greater than R-11 or to fill cavity | \$0.75/sqft |

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By: 

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Director, Regulatory Affairs

CASCADE NATURAL GAS CORPORATION

Eighth Revision Sheet No. 300-A

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SCHEDULE 300

RESIDENTIAL CONSERVATION INCENTIVE PROGRAM

MEASURES AND INCENTIVES (continued)

| | | |
|---|--|------------------------------------|
| Ceiling/Attic Insulation Tier I ¹ | Equal to or greater than R-38 | \$0.75/sqft |
| Ceiling/Attic Insulation Tier II ¹ | Equal to or greater than R-49 | \$1.00/sqft |
| Floor Insulation ¹ | Equal to or greater than R-30 or to fill cavity ³ | \$0.75/sqft |
| Duct Insulation | R-8 ⁷ | \$0.50/linear ft |
| Duct Sealing | Min 4 CFM25 per 100 square feet of conditioned space ⁷ | \$150/household |
| High Efficiency Exterior Door | Equal to or less than U 0.21 | \$100 |
| Whole Home Air Sealing ¹ | Min. 400 CFM50 reduction ⁸ | \$150 |
| Windows Tier I - | Less than or equal to 0.27 U Factor ⁹ | \$7.00/sqft |
| Windows Tier II - | Less than or equal to 0.30 U Factor ⁹ | \$5.00/sqft |
| Programmable Thermostat ¹ | Existing Homes Only | \$25 |
| Condensing Boiler ¹ | 95% AFUE | \$750 |
| Bundles ⁴ | Bundle A: Any two weatherization measures covering a minimum of 1,000 sqft. Bundle B: Air sealing and any two insulation measures covering a minimum of 1,000 sqft. | Bundle A: \$250 Bundle B: \$500 |

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¹ To qualify for rebate, dwelling must use Natural Gas as primary heat source. Homes utilizing either VRF heat pumps or multizone ductless heat pumps with gas furnace back up are ineligible.

² To qualify for rebate, dwelling must utilize Natural Gas for water heating.

³ To fill cavity, R-value must be R-19 or greater.

⁴ Bundles are subject to change in consultation with the Cascade Conservation Advisory Group (CAG).

⁵ Use of tankless water heater is acceptable for combined space and water heating with a Uniform Energy Factor of 0.95 or higher. Combined use of indirect, non-fired tank is acceptable for use with approved 95% AFUE Boiler where required.

⁶ Specifically per CSA P.4-15 Testing Standard referenced to downloadable Natural Resources Canada EnerGuide database of December 3, 2018 and later. Eligibility for older models not referenced in the December 2018 or later downloadable database, based per CSA P.4 Testing Standard referenced to downloadable Natural Resources Canada EnerGuide database of February 14, 2017.

⁷ Requires that a minimum of 30% of applicable ductwork is outside of conditioned space.

⁸ Leakage reduction required to be verified and documented through pre and post blower door testing.

⁹ Pre-existing window type must be single pane window.

PROGRAM COST RECOVERY

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

PROGRAM SPECIFICATIONS

1. All installations of weatherization 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.
2. The customer must submit documentation demonstrating the purchase and installation of the measure. The paperwork must comply with the terms and instructions on the Company's current rebate form.
3. The Company reserves the right to verify installation prior to payment of any rebates.
4. Additional information about Cascade's conservation incentive programs is available on the Company's website at <http://www.cngc.com>.

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CASCADE NATURAL GAS CORPORATION

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Sixth Revision Sheet No. 302-A

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 | \$750 |
| Gas Convection Oven | ENERGY STAR® | ≥ 44% Cooking Efficiency; ≤ 13,000 Btu/hr Idle Rate | \$800 |
| Double Rack Oven | FSTC Qualified | ≥ 50% Cooking Efficiency; ≤ 35,000 Btu/hr/ Idle Rate D Rack | \$2,500 |
| Gas Griddle | ENERGY STAR® | ≥ 38% Cooking Efficiency; ≤ 2650 Btu/hr- sqft 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 | \$2,500 |
| Floor Insulation | Retrofit Only | Pre R < 11, Post R > 30 ⁷ | \$0.75/sqft |
| 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 | \$200 |
| 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 Pre-Rinse Spray Valve | ≤ 1.0 gpm | Free |
| Gas Conveyor Oven | Natural Gas Conveyor Oven | > 42% tested baking efficiency | \$450 |
| 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 | \$20/nominal ton capacity |
| Piping Insulation ⁶ | Insulation of piping conveying hot fluids generated from gas fired equipment (retrofit only) | Tier 1, 1.5": >140F and <200F Tier 2, 2.5": ≥ 200F | Tier 1: \$15 / linear foot Tier 2: \$25/ 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 sqft Bundle B: 2 kitchen equipment measures Bundle C: 3 kitchen equipment measures | Bundle A: \$500 Bundle B: \$300 Bundle C: \$500 |

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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, ovens, fryers, and griddles. Bundles are subject to change in consultation with the Conservation Advisory Group.

⁵ Pre-existing window must be a single pane.

⁶ The Company will pay custom incentive levels at the lesser of the normalized tariff amount or actual installed cost and will work with its CAG should it deem necessary to update this criteria.

⁷ Not applicable to slab on grade foundations.

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