

WSEC Energy Credits Explained

- Under the 2018 Residential State Energy Code, additional energy efficiency requirements must be met
- To meet the minimum credit requirements, both a 'Carbon Emission Equalization' option based upon the energy source for the primary heating source, and sufficient 'Energy Credits' must be selected
- For detailed requirements and a complete description of each energy credit, please refer to WSEC Section R406, notably Table R406.2 and Table R406.3

Small Dwelling Unit	<1500sf and <300sf of fenestration	3.0 credits req'd
Medium Dwelling Unit	1500-5000sf of conditioned floor area	6.0 credits req'd
Large Dwelling Unit	>5000sf of conditioned floor area	7.0 credits req'd

While there are countless ways to achieve code compliance, the following packages demonstrate common pathways towards compliance. For most homes, 6.0 credits are required; therefore, the following panels present options for achieving 6.0 credits.



Energy Credit Options for New Homes Featuring Natural Gas Heating

Option #1 (All gas)

System Type 1 (NG Heating)	0 credits
1.4 – 15% Reduction in total UA	1.0 credits
2.3 – 1.5 ACH50 and 75% HRV	1.5 credits
3.1 – 95% AFUE NG Furnace	1.0 credits
5.3 – 0.91 UEF tankless NG WH	1.0 credits
6.1 – 1800 kWh solar	1.5 credits

Option #2 (All gas)

System Type 1 (NG Heating)	0 credits
1.2 – U=0.20 windows	1.0 credits
2.3 – 1.5 ACH50 and 75% HRV	1.5 credits
3.1 – 95% AFUE NG Furnace	1.0 credits
4.2 – All interior HVAC	1.0 credits
5.3 – 0.91 UEF tankless NG WH	1.0 credits
7.1 – Energy Star Appliances	0.5 credits

Option #3 (All gas)

System Type 1 (NG Heating)	0 credits
1.1 – U=0.24 windows	0.5 credits
2.1 – 3.0 ACH50 and HE Exhaust	0.5 credits
3.1 – 95% AFUE NG Furnace	1.0 credits
5.3 – 0.91 UEF tankless NG WH	1.0 credits
6.1 – 3600 kWh solar	3.0 credits

Option #4 (Gas furnace)

System Type 1 (NG Heating)	0 credits
1.4 – 15% Reduction in total UA	1.0 credits
2.3 – 1.5 ACH50 and 75% HRV	1.5 credits
3.1 – 95% AFUE NG Furnace	1.0 credits
4.1 – Deeply buried duct work	0.5 credits
5.5 – NEEA Tier III Water Heater	2.0 credits

Option #5 (Gas furnace)

System Type 1 (NG Heating)	0 credits
1.1 – U=0.24 windows	0.5 credits
2.3 – 1.5 ACH50 and 75% HRV	1.5 credits
3.1 – 95% AFUE NG Furnace	1.0 credits
4.2 – All interior HVAC	1.0 credits
5.5 – NEEA Tier III Water Heater	2.0 credits

Option #6 (NG water heater and NG supplementary furnace)

System Type 2 (Heat Pump)	1.0 credits
1.4 – 15% Reduction in total UA	1.0 credits
2.3 – 1.5 ACH50 and 75% HRV	1.5 credits
3.5 – 11.0 HSPF Heat Pump	1.5 credits
5.3 – 0.91 UEF tankless NG WH	1.0 credits



In the Community to Serve®

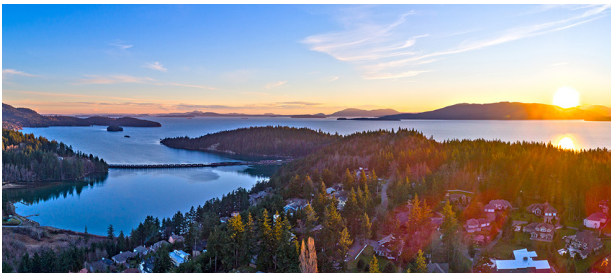
About Cascade Natural Gas

Cascade Natural Gas serves nearly 300,000 customers across Washington and Oregon. We have been part of the Pacific Northwest for almost 70 years, and look forward to continuing to serve our customers here for years to come.

Cascade Natural Gas has an important role to play in securing a lower carbon future for the Pacific Northwest. This means keeping our system reliable and affordable for our customers while helping communities meet their greenhouse gas emission reduction targets.

We are committed to meeting or surpassing all environmental regulations and will:

- Comply with all applicable environmental regulations, laws and disclosures
- Continue and expand measurable programs to encourage environmental stewardship and reduce waste within utility operations
- Proactively explore options and further expand sustainable utility operations
- Proactively support the Utility's interests and the interests of our customers as we explore solutions to environmental challenges



Cascade is committed to helping our customers lower their energy usage while saving money and reducing their carbon footprint. We're therefore pleased to offer the following energy efficiency incentives through Dec. 31, 2023:

- **Furnace** - \$650 for 95%+ AFUE or \$900 for 98%+ AFUE
- **Hearth (Fireplace)** - \$300 for 70% EnerGuide FE
- **Condensing Boiler** (space heat only) - \$900 for 95%+ AFUE
- **Combo Radiant Heat System** – \$1500 for 95%+ AFUE
- **Condensing Tankless Water Heater** - \$350 for 0.91+ UEF
- **ENERGY STAR® Clothes Washer** - \$50 for unit on approved list
- **Exterior Energy Door** (non-sliding) – \$100 for U-Factor ≤ 0.21 with NFRC label
- **ENERGY STAR® Smart Thermostat** - \$75 for approved certified smart thermostat

Incentives are subject to change and are only applicable for measures approved within the Biennial Conservation Plan at the time of installation.

Check www.cngc.com/energy-efficiency for all terms and conditions, and for the most up-to-date information.



Energy Efficiency Phonenumber: 866-626-4479

Office Hours: M-Th 8am – 5pm PST

Fax: 360-788-2396

Email: conserve@cngc.com

Rev. 9/2022



In the Community to Serve®

2018 WSEC Energy Credit Options Featuring Natural Gas



Cascade Natural Gas is proud to serve our Washington customers with natural gas. This guide will help our community partners continue to build high-efficiency natural gas homes that meet Washington State Energy Code (WSEC) Requirements.