



STATE OF WASHINGTON

STATE BUILDING CODE COUNCIL

Washington State Energy Code Development Standard Energy Code Proposal Form

Jan 2022

Log No. 24-GP1-181 **Part C**

Received 5/19/25

Code being amended: ☒ Commercial Provisions ☐ Residential Provisions

Code Section # C411_____

Brief Description: Modify Section C411 Renewable Energy

This proposal updates the multipliers for renewable energy procurement methods in Table C411.2.1 for off-site renewable energy sources.

Proposed code change text: (Copy the existing text from the Integrated Draft, linked above, and then use underline for new text and ~~strikeout~~ for text to be deleted.)

**TABLE C411.2.1
MULTIPLIERS FOR RENEWABLE ENERGY PROCUREMENT METHODS**

Location	Renewable Energy Source	Renewable Energy Factor		
		In the State of Washington	Western Interconnection	In the States of Oregon or Idaho
On-site	On-site renewable energy system	1	NA	NA
Off-site	Directly owned off-site renewable energy system that begins operation after submission of the initial permit application	0.95 <u>1.0</u>	0.75 <u>1.0</u>	0.85 <u>1.0</u>
Off-site	Community renewable energy facility that begins operation after submission of the initial permit application	0.95 <u>1.0</u>	0.75 <u>1.0</u>	0.85 <u>1.0</u>
Off-site	Directly owned off-site renewable energy system that begins operation before submission of the initial permit application	0.75	0.55	0.65
Off-site	Community renewable energy facility that begins operation before submission of the initial permit application	0.75	0.55	0.65
Off-site	Renewable Power <u>Energy</u> Purchase Agreement	0.75 <u>1.0</u>	0.55 <u>1.0</u>	0.65 <u>1.0</u>

Purpose of code change:

Purpose of the proposed multiplier updates is to be more consistent with Appendix CC in the IECC-Commercial and in ASHRAE 90.1. This proposal also supports proposal 24-GP1-181 Part B, which adds renewable thermal energy as an approved off-site renewable energy source. Refer to Economic Impact statement.

Your amendment must meet one of the following criteria. Select at least one:

☐ Addresses a critical life/safety need.

☒ The amendment clarifies the intent or application of the code.

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- ☒ Addresses a specific state policy or statute.
(Note that energy conservation is a state policy)
- ☐ Consistency with state or federal regulations.

- ☐ Addresses a unique character of the state.
- ☐ Corrects errors and omissions.

Check the building types that would be impacted by your code change:

- ☐ Single family/duplex/townhome ☒ Multi-family 4 + stories ☒ Institutional
- ☐ Multi-family 1 – 3 stories ☒ Commercial / Retail ☐ Industrial

Your name Gary Heikkinen Email address gary.heikkinen@nwnatural.com

Your organization Energy Consultant on behalf of NW Natural Phone number 503-997-9334

Other contact name [Click here to enter text.](#)

Economic Impact Data Sheet

Is there an economic impact: ☒ Yes ☐ No

Briefly summarize your proposal's primary economic impacts and benefits to building owners, tenants, and businesses. If you answered "No" above, explain your reasoning.

It is possible that renewable fuels could be more expensive than renewable electricity in the early years. The potential added cost could be offset by modifying the multipliers for renewable energy. Using a 1.0 multiplier would reduce the amount of off-site energy purchased.

Provide your best estimate of the **construction cost** (or cost savings) of your code change proposal? (See OFM Life Cycle Cost [Analysis tool](#) and [Instructions](#); use these [Inputs](#). **Webinars on the tool can be found [Here](#) and [Here](#)**)

\$[Click here to enter text.](#)/square foot (For residential projects, also provide \$[Click here to enter text.](#)/ dwelling unit)

Show calculations here, and list sources for costs/savings, or attach backup data pages

This should have no impact on construction cost.

Provide your best estimate of the **annual energy savings** (or additional energy use) for your code change proposal?

[Click here to enter text.](#)KWH/ square foot (or) [Click here to enter text.](#)KBTU/ square foot

(For residential projects, also provide [Click here to enter text.](#)KWH/KBTU / dwelling unit)

Show calculations here, and list sources for energy savings estimates, or attach backup data pages

Each credit in Section C406 of the IECC is worth 0.1% energy savings. Therefore, 50 credits = 5% savings.

List any **code enforcement** time for additional plan review or inspections that your proposal will require, in hours per permit application:

Code enforcement time could increase by the requirement to verify the off-site energy contracts.

Small Business Impact. Describe economic impacts to small businesses:

Could benefit any small business involved in the supply chain of renewable energy.

Housing Affordability. Describe economic impacts on housing affordability:

Does not affect housing affordability.

Other. Describe other qualitative cost and benefits to owners, to occupants, to the public, to the environment, and to other stakeholders that have not yet been discussed:

Instructions: Send this form as an email attachment, along with any other documentation available, to:
sbcc@des.wa.gov. For further information, call the State Building Code Council at 360-407-9255.

All questions must be answered to be considered complete. Incomplete proposals will not be accepted.