



STATE OF WASHINGTON

STATE BUILDING CODE COUNCIL

Washington State Energy Code Development Standard Energy Code Proposal Form

May 2018

Log No. 19-WSEC-R17

Code being amended: Commercial Provisions Residential Provisions

Code Section # R202

Brief Description:

To add a definition for Ductless Mini-split system to the Energy Code.

Proposed code change text

Ductless mini-split **heat pump** system: A heating and cooling system that is comprised of one or multiple indoor evaporator/air-handling units and an outdoor condensing unit that is connected by refrigerant piping and electrical wiring. A ductless mini-split system is capable of cooling or heating one or more rooms without the use of **traditional-central** ductwork system.

Purpose of code change:

This proposal adopts the definition of Ductless Mini-split system from the IMC.

Ductless Mini-Split systems are required in section R403.7.1 and an option in C406. There is currently a lack of a definition for Ductless Mini-Split system in the Energy Code. To assure the energy savings are achieved a good definition is needed. Adding this definition would add clarification to the code.

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

- Addresses a critical life/safety need.
- Consistency with state or federal regulations.
- The amendment clarifies the intent or application of the code.
- Addresses a unique character of the state.
- Addresses a specific state policy or statute.
(Note that energy conservation is a state policy)
- Corrects errors and omissions.

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

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



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Economic Impact Data Sheet

Briefly summarize your proposal's primary economic impacts and benefits to building owners, tenants and businesses.

There are no economic impacts.

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

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

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

This clarifies the existing rules, making code enforcement easier.