



STATE OF WASHINGTON

STATE BUILDING CODE COUNCIL

Washington State Energy Code Development Standard Energy Code Proposal Form

May 2018

Log No. 19-WSEC-R15

Code being amended: Commercial Provisions Residential Provisions

Code Section # Table 406.2

Brief Description: Provide option to earn a 0.5 energy credit under section 4 of the prescriptive table for mechanical ductwork that is deeply buried in under attic insulation.

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.)

Under option column of table: 4a

Under description column of table: All supply and return ducts deeply buried in ceiling insulation per requirements in paragraph R403.3.6

For mechanical equipment located outside the conditioned space, a maximum of 10 linear feet of return ducts and 5 linear feet of supply ducts connections to the equipment may be outside the deeply buried insulation. All metallic ducts located outside the conditioned space must have both transverse and longitudinal joints sealed with mastic. If flex ducts are used, they cannot contain splices.

Under option credits of table: 0.5

Under option column of table, row currently labeled 4: 4b

Purpose of code change: Deeply buried supply and return ductwork provide almost the same energy efficiency improvement as placing the entire HVAC distribution system in the conditioned space. Locating ductwork underneath ceiling insulation is optional, so providing energy credits will encourage broader use of what is a cost neutral building practice in residential construction and improve energy efficiency.

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.

