



STATE OF WASHINGTON

## STATE BUILDING CODE COUNCIL

### Washington State Energy Code Development Standard Energy Code Proposal Form

Jan 2022

Log No. 24-RE-041 Vers. 2 7/11/25

Code being amended: ☐ Commercial Provisions ☒ Residential Provisions

Code Section # R105.2, R107.2.6,

Brief Description:

*All installed insulation is required to be verified for compliance with the code. Dens Pack insulation, (Blown In Blanket or BIBs) systems require the R-Value to be met by verifying the installed density has met the code requirement for the application, i.e., the minimum required R-Value based on the material manufacturer's (installed density) requirements. The density check is the responsibility of the installer to record and provide the results to the jurisdiction. The inspector verifies the density check has been recorded at the location where the test was taken, i.e., a selected cavity.*

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.)

**R105.2 Information on construction documents.** "Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed, and show in sufficient detail pertinent data and features of the building, systems and equipment as herein governed. Details shall include, but are not limited to, the following as applicable:

2. Dense Pack insulation, (Blown-In-Blanket, BIB) installed in building cavities shall meet the minimum density requirements published by the insulation manufacturer to achieve the required R-Value for the application. The installer shall verify the installed cavity density by weighing and recording the weight, the date verified and the installer's name on the tested cavity. Minimum one sample for areas 500 SF or less, two samples for areas greater than 500 SF. Installed density that is less than recommended requires re-filling and re-verify.

~~2. Insulation materials and their R-values for all insulation materials including the manufacturer's recommended density required to achieve the (manufacturer's) published R-Value per inch for dense pack, (BIBs) applications.~~

**R107.2.6 Insulation and fenestration rough-in inspection.** Inspections at insulation and fenestration rough-in shall be made before the application of interior or exterior finish and shall be used to verify compliance with this code as to types of insulation, corresponding R-values and their correct location and proper installation; and fenestration properties such as U-factors, SHGC and proper installation.

Purpose of code change:

July 14, 2025

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

- |  |  |
|--|--|
| <input type="checkbox"/> Addresses a critical life/safety need.  | <input checked="" type="checkbox"/> Consistency with state or federal regulations. |
| <input checked="" type="checkbox"/> The amendment clarifies the intent or application of the code.                                     | <input type="checkbox"/> Addresses a unique character of the state.                |
| <input checked="" type="checkbox"/> Addresses a specific state policy or statute.<br>(Note that energy conservation is a state policy) | <input checked="" type="checkbox"/> Corrects errors and omissions.                 |

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

- |   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> Single family/duplex/townhome | <input type="checkbox"/> Multi-family 4 + stories | <input type="checkbox"/> Institutional |
| <input checked="" type="checkbox"/> Multi-family 1 – 3 stories    | <input type="checkbox"/> Commercial / Retail      | <input type="checkbox"/> Industrial    |

|                    |   |               |  |
|--------------------|---|---------------|--|
| Your name          | <a href="#">Rick Blumenthal</a>             | Email address | <a href="mailto:blumenthalr@energy.wsu.edu">blumenthalr@energy.wsu.edu</a> |
| Your organization  | <a href="#">Washington State University</a> | Phone number  | <a href="#">360.956.2042</a>   |
| Other contact name | <a href="#">NA</a>                          |               |  |

## **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. *The economic impact for owners and occupants may be realized with generate higher energy costs if the manufacturer's density requirements are not met.*

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:

***Small Business Impact.*** Describe economic impacts to small businesses:

***Housing Affordability.*** Describe economic impacts on 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](mailto: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.**