



STATE OF WASHINGTON  
**STATE BUILDING CODE COUNCIL**

May 2018  
Log No. \_\_\_\_\_

**1. State Building Code to be Amended:**

- |   |   |
|---|---|
| <input type="checkbox"/> International Building Code          | <input type="checkbox"/> International Mechanical Code        |
| <input type="checkbox"/> ICC ANSI A117.1 Accessibility Code   | <input type="checkbox"/> International Fuel Gas Code          |
| <input type="checkbox"/> International Existing Building Code | <input type="checkbox"/> NFPA 54 National Fuel Gas Code       |
| <input type="checkbox"/> International Residential Code       | <input type="checkbox"/> NFPA 58 Liquefied Petroleum Gas Code |
| <input checked="" type="checkbox"/> International Fire Code   | <input type="checkbox"/> Wildland Urban Interface Code        |
| <input type="checkbox"/> Uniform Plumbing Code                |   |

For the Washington State Energy Code, please see specialized [energy code forms](#)

**Section(s):**

**1207**

**Title:**

**Electrical Energy Storage Systems (ESS)**

**2. Proponent Name (Specific local government, organization or individual):**

**Proponent: Washington Association of Building Officials, Technical Code Development Committee (Micah Chapell, Quyen Thai, Jon Siu)**

**Title: Technical Code Development Chair**

**Date: September 3, 2024**

**3. Designated Contact Person:**

**Name: Quyen Thai**

**Title: Principal Plans Examiner**

**Address: 747 Market Street, Room 620, Tacoma, WA 98402**

**Office Phone: (253) 591-5465**

**Cell: (253) 254-8796**

**E-Mail address: [gthai@cityoftacoma.org](mailto:gthai@cityoftacoma.org)**

**4. Proposed Code Amendment.** Reproduce the section to be amended by underlining all added language, striking through all deleted language. Insert new sections in the appropriate place in the code in order to continue the established numbering system of the code. If more than one section is proposed for amendment or more than one page is needed for reproducing the affected section of the code, additional pages may be attached.

Clearly state if the proposal modifies an existing amendment or if a new amendment is needed. If the proposal modifies an **existing amendment**, show the modifications to the existing amendment by underlining all added language and striking through all deleted language. If a new amendment is needed, show the modifications to the **model code** by underlining all added language and striking through all deleted language.

Code(s) 2024 International Fire Code Section(s) 1207

Enforceable code language must be used.

Amend section to read as follows:

Adopt the entirety of the 2024 IFC Model code language only with no state amendments to section 1207. Removal of item #4 for section 1207.1.3 since this section is no longer needed and is addressed under a different item number.

**1207.1.4 Hazard mitigation analysis.** Failure modes and effects analysis (FMEA) or other *approved* hazard mitigation analysis shall be provided in accordance with Section 104.8.2 under any of the following conditions:

1. Where ESS technologies not specifically identified in Table 1207.1.1 are provided.
2. More than one ESS technology is provided in a single fire area where there is a potential for adverse interaction between technologies.
3. Where allowed as a basis for increasing maximum allowable quantities. See Section 1207.5.2.
- ~~4. Where flammable gases can be produced under abnormal conditions.~~
- ~~4.5.~~ Where required by the fire code official to address a potential hazard with an ESS installation that is not addressed by existing requirements.

**5. Briefly explain your proposed amendment, including the purpose, benefits and problems addressed.** Specifically note any impacts or benefits to business, and specify construction types, industries and services that would be affected. Finally, please note any potential impact on enforcement such as special reporting requirements or additional inspections required.

Washington State pre-adopted the 2024 model code language in the 2021 IFC with one small amendment to add an item #4 to 1207.1.4 Hazard mitigation analysis. This item, “Where flammable gases can be produced under abnormal conditions” is no longer really needed since item #5 can address this to allow the fire code official approval. All the other verbiage/language from 1207 is just model code language with sections being renumbered and moved.

**6. Specify what criteria this proposal meets.** You may select more than one.

- The amendment is needed to address a critical life/safety need.
- The amendment clarifies the intent or application of the code.
- The amendment is needed to address a specific state policy or statute.
- The amendment is needed for consistency with state or federal regulations.
- The amendment is needed to address a unique character of the state.
- The amendment corrects errors and omissions.

**7. Is there an economic impact:**  Yes  No

If no, state reason: Washington State pre-adopted the 2024 code language for section 1207 with one small amendment. This amendment is addressed already in another item (#4) in section 1207.1.6. The amendment that is being removed is the current #4 in the WAC section 1207.1.3. Section was just renumbered in the 2024 IFC.

If yes, provide economic impact, costs and benefits as noted below in items a – f.

- a. **Life Cycle Cost.** Use the OFM Life Cycle Cost [Analysis tool](#) to estimate the life cycle cost of the proposal using one or more typical examples. Reference these [Instructions](#); use these [Inputs](#). Webinars on the tool can be found [Here](#) and [Here](#)). If the tool is used, submit a copy of the excel file with your proposal submission. If preferred, you may submit an alternate life cycle cost analysis.

N/A

- b. **Construction Cost.** Provide your best estimate of the construction cost (or cost savings) of your code change proposal.

N/A

\$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

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

N/A

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

N/A

- e. **Housing Affordability.** Describe economic impacts on housing affordability:

N/A

- f. **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:

N/A

Please send your completed proposal to: [sbcc@des.wa.gov](mailto:sbcc@des.wa.gov)

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