15-005

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

International Building Code  State Energy Code

ICC ANSI A117.1 Accessibility Code  International Mechanical Code

International Existing Building Code  International Fuel Gas Code

International Residential Code  NFPA 54 National Fuel Gas Code

International Fire Code  NFPA 58 Liquefied Petroleum Gas Code

Uniform Plumbing Code  Wildland Urban Interface Code

**Section(s):**

1006.2.2.6 (New)

**Title:** Coordination with NEC on requirement for 2nd exit from electrical equipment rooms.

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

**Proponent:** Lee J. Kranz, representing the Washington Association of Building

Officials Technical Code Development Committee

**Title:** Plan Review Supervisor

**Date:** February 11, 2015

**3. Designated Contact Person:**

**Name:** Lee J. Kranz

**Title:** Plan Review Supervisor

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**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. (Examples on the SBCC [website](https://fortress.wa.gov/ga/apps/sbcc/Page.aspx?nid=191))

**Code:** **2015 IBC** **Section** **1006.2.2.6 (New)**

Enforceable code language must be used; see an example [by clicking here](https://fortress.wa.gov/ga/apps/SBCC/File.ashx?cid=1803).

Amend section to read as follows:

Add new text as follows:

**1006.2.2.6 Electrical equipment rooms.** Rooms containing electrical equipment rated at 1,200 amperes or more where the equipment is over 6 feet (1829 mm) wide and containing overcurrent devices, switching devices or control devices shall be provided with the number of means of egress doorways in accordance with NEC Article 110.

1. **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.

**Reason:** This code change is needed to create consistency with the NEC. NEC Article 110.26 (C) (2) requires a 2nd exit when large electrical equipment (over 6 feet wide) exceeding 1,200 amperes are located in a room that contains overcurrent devices, switching devices or control devices. Most building code reviewers are not aware of the need for the 2nd exit in the NEC and the requirement is often not identified until after construction begins when it is costly to modify the architectural design. Rather than requiring a second exit or exit access doorway, the proposal specifies that the number of means of egress shall be in accordance with NEC Article 110. This approach was taken due to several exceptions contained in Article 110 exempting the second exit doorway and which would not be appropriate to duplicate in the IBC.

Similar provisions are located in Section 1010.1.10 to require panic hardware or fire exit hardware for electrical rooms with large electrical equipment.

1. **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 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.

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

Explain: Will not increase the cost of construction. It provides a reference to the appropriate section of the National Electrical Code so that means of egress design may proceed more efficiently. This code change will save money by reducing costly change orders when the NEC requirement

for a 2nd exit is not caught during plan review.

If there is an economic impact, use the Table below to estimate the costs and savings of the proposal on construction practices, users and/or the public, the enforcement community, and operation and maintenance. If preferred, you may submit an alternate cost benefit analysis.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Building Type | Construction[[1]](#footnote-1) | | Enforcement[[2]](#footnote-2) | | Operations & Maintenance[[3]](#footnote-3) | |
| Costs | Cost/DU | Costs | Benefits4 | Costs | Benefits4 |
| Residential |  |  |  |  |  |  |
| Single family | No difference | No difference | No difference | No difference | No difference | No difference |
| Multi-family | No difference | No difference | No difference | No difference | No difference | No difference |
| Commercial/Retail |  |  |  |  |  |  |
| Industrial |  |  |  |  |  |  |
| Institutional |  |  |  |  |  |  |

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

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

1. $ / square foot of floor area or other cost. Attach data. **Construction** costs are costs prior to occupancy, and include both design and direct construction costs

   that impact the total cost of the construction to the owner/consumer. [↑](#footnote-ref-1)
2. Cost per project plan. Attach data. **Enforcement** costs include governmental review of plans, field inspection, and other action required for enforcement. [↑](#footnote-ref-2)
3. Cost to building owner/tenants over the life of the project. [↑](#footnote-ref-3)