



STATE OF WASHINGTON  
**STATE BUILDING CODE COUNCIL**

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

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

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

**THIS IS A DRAFT**

Purpose of Document: Text for TAG review in respond to E3SHB 1257

Requested Action: Are you okay with this text for TAG review?

Due Date: Friday August 30, 2019

**Section(s):** Varies

**Title:** Varies

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

**Proponent:** SBCC Building Code TAG

**Title:** Building Code TAG Chair

**Date:** \*\*\*\*

**3. Designated Contact Person:**

**Name:** Andrew Klein

**C/O** Richard Brown

**Title:** Building Code TAG Chair

**Address:** 1500 Jefferson St SE

Olympia, WA 98501

**Office Phone:** (360) 407-9277

**Cell:** ( )

**E-Mail address:** richard.brown@des.wa.gov

## 4. Proposed Code Amendment.

### Code(s) IBC Section(s)

Amend section to read as follows:

## 2018 IBC

### Section 429—Electric vehicle charging infrastructure.

**429.1 Scope.** The provisions of sections 429.2, 429.4, 429.5 and 429.6.1 shall apply to the construction of new buildings serving Group B, Group R-1 hotel and motel only, and Group R-2 occupancies.

The provisions of 429.3, 429.5 and 429.6.2 shall apply to new buildings containing A, B, E, F, H, I, R-1, R-2, and S occupancies that provide on-site parking.

**EXCEPTIONS:** 1. For occupancies classified as assembly, education, or mercantile, the requirements apply only to employee parking spaces.

**429.2 Required electric vehicle charging infrastructure.** Where on-site parking is provided, five percent of parking spaces shall be provided with electric vehicle charging infrastructure in compliance with Sections 429.4, 429.6 and 429.8. When the calculation of percent served results in a fractional parking space, the applicant shall round up to the next whole number.

**EXCEPTIONS:**

1. Group R and Group B occupancies served by less than 20 on-site parking spaces.
2. For occupancies classified as assembly or education, or mercantile, the requirements apply only to employee parking spaces

**429.3 Required electric vehicle charging capability.** Where on-site parking is provided, the greater of one parking space or ten percent of parking spaces, rounded to the next whole number, must be provided with wiring or raceway sized to accommodate 208/240 V 40-amp or equivalent electric vehicle charging.

**429.4 Electrical room(s).** Electrical room(s) serving parking areas shall be designed to accommodate the electrical equipment and distribution required to serve a minimum of 20 percent of the total parking spaces with 208/240 V 40-amp electric vehicle charging infrastructure. ~~Load management infrastructure may be used to adjust the size and capacity of the required building electric service equipment and circuits on the customer facilities, as well as electric utility owned infrastructure, as allowed by applicable local and national electrical code.~~

**429.5 Electric vehicle charging infrastructure.** Electric vehicle charging infrastructure shall be installed meeting one of the following requirements:

1. A minimum number of 208/240 V 40-amp, electric vehicle charging stations required to serve the parking spaces specified in section 427.2. The electric vehicle charging stations shall be located to serve spaces designated for parking and charging electric vehicles, or
2. Additional service capacity, space for future meters, panel capacity or space for additional panels, and raceways for future installation of electric vehicle charging stations. The service capacity and raceway size shall be designed to accommodate the future installation of the number of 208/240 V 40-amp, electric vehicle charging stations specified in section 427.2. The raceway shall terminate at spaces designated for parking and charging electric vehicles in the future.

Where designated electric vehicle charging locations serve exterior on-grade parking spaces that are located more than 4 feet from a building, raceways shall be extended below grade to a pull box in the vicinity of the designated future electric vehicle charging locations or stub above grade in the vicinity of the designated future electric vehicle charging locations, protected from vehicles by a curb or other device.

**EXCEPTION:** In lieu of surface-mounted raceway between the electrical panel and the designated electric vehicle charging locations, it is permitted to provide permanent markings indicating the pathway for future raceway, and one-inch diameter capped sleeves through each wall and floor assembly that are penetrated along that route. This pathway and the locations of capped sleeves shall also be indicated on the electrical plans. Raceway shall be installed for any portion of the pathway located below slabs, below grade, or within floor, wall or roof assemblies.

### **429.6 Electric vehicle charging infrastructure for accessible parking spaces.**

**429.6.1 Where electric vehicle charging infrastructure is required.** One accessible parking space shall be served by electric vehicle charging infrastructure. The electric vehicle charging infrastructure may also serve adjacent parking spaces not designated as accessible parking.

**429.6.2 For accessible parking spaces,** The greater of one parking space or ten percent of accessible parking spaces, rounded to the next whole number, shall be provided with electric vehicle charging infrastructure that may also serve adjacent parking spaces not designated as accessible parking.

**5. 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.

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

Explain:

If there is an economic impact, use the tool 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.

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

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

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.