WASHINGTON STATE BUILDING CODE COUNCIL APPLICATION FOR REVIEW OF A PROPOSED STATEWIDE AMENDMENT TO THE WASHINGTON STATE BUILDING CODE

2012 Code Adoption Cycle

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PLEASE FOLLOW INSTRUCTIONS ON PAGE FIVE

1 State	e Building Code to be Amend	ed·		
	[X] International Building Cod		[] State]	Energy Code
_	[] International Residential C			ational Mechanical Code
[[] ICC ANSI A117.1 Access			ational Fuel Gas Code
I.	International Fire Code	ionity Code		54 National Fuel Gas Code
l T	Uniform Plumbing Code			1 54 National Puer Gas Code 1 58 Liquefied Petroleum Gas Code
l	[] Official Fluidollig Code		[] NITA	38 Elquelled Fetfoleum Gas Code
\$	Section Chapter 29 F	Pages 547-550		
2. Appl	licant Name (Specific local go	overnment, orga	nization or ind	lividual):
(City of Seattle Dept of Planning	g and Developme	ent	
3. Sign	ed:			
			Manager	March 1, 2012
Ī	Proponent		Title	Date
4. Desig	gnated Contact Person:			
I	Maureen Traxler			
ľ	Name		Title	
I	Address: 700 5th Ave, #2000			
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1	E-Mail address: maureen.trax	aler@seattle.gov		

5. Proposed Code Amendment. Use 'legislative format' including both old and new language. **See** instructions on page five for specific details. Please use a separate sheet for each separate proposal.

Code IBC Section Chapter 29 Page 547-550 Amend section to read as follows:

Adopt IBC Chapter 29, except Table 2902.1, with the amendments shown below instead of the current Washington State Building Code Chapter. No amendments to the currently-adopted Table are proposed.

CHAPTER 29 PLUMBING SYSTEMS

SECTION 2901 GENERAL

[P] 2901.1 Scope. The provisions of this chapter and the *International Plumbing Code* shall govern the erection, installation, *alteration*, repairs, relocation, replacement, *addition* to, use or maintenance of plumbing equipment and systems. Toilet and bathing rooms shall be constructed in accordance with Section 1210. Plumbing systems and equipment shall be constructed, installed and maintained in accordance with the *International Plumbing Code*. Private sewage disposal systems shall conform to the *International Private* Sewage Disposal Code.

2901.2 Health codes. In food preparation, serving and related storage areas, additional fixture requirements may be dictated by state and local health codes.

SECTION 2902 MINIMUM PLUMBING FACILITIES

[P] 2902.1 Minimum number of fixtures. Plumbing fixtures shall be provided for the type of occupancy and in the minimum number shown in Table 2902.1. Types of occupancies not shown in Table 2902.1 shall be considered determined individually by the *building official* based on the occupancy which most nearly resembles the intended occupancy. The number of occupants shall be determined by this code. Occupancy classification shall be determined in accordance with Chapter 3.

Plumbing fixtures need not be provided for unoccupied buildings or facilities.

[P] 2902.1.1 Fixture calculations. To determine the *occupant load* of each sex, the total *occupant load* shall be divided in half. To determine the required number of fixtures, the fixture ratio or ratios for each fixture type shall be applied to the *occupant load* of each sex in accordance with Table 2902.1. Fractional numbers resulting from applying the fixture ratios of Table 2902.1 shall be rounded up to the next whole number. For calculations involving multiple occupancies, such fractional numbers for each occupancy shall first be summed and then rounded up to the next whole number.

Exception: The total *occupant load* shall not be required to be divided in half where *approved* statistical data indicate a distribution of the sexes of other than 50 percent of each sex.

- **2902.1.1.1 Private offices.** Fixtures only accessible to private offices shall not be counted to determine compliance with this section.
- [P] 2902.1.2 Family or assisted-use toilet and bath fixtures. Fixtures located within family or assisted-use toilet and bathing rooms required by Section 1109.2.1 are permitted to be included in the number of required fixtures for either the male or female occupants in assembly and mercantile occupancies.
- [P] 2902.2 Separate facilities. Where plumbing fixtures are required, separate facilities shall be provided for each sex.

Exceptions:

- 1. Separate facilities shall not be required for dwelling units and sleeping units.
- 2. Separate facilities shall not be required in structures or tenant spaces with a total *occupant load*, including both employees and customers, of 15 or less.
- 3. Separate facilities shall not be required in mercantile occupancies in which the maximum occupant load is 100 or less.
- [P] 2902.2.1 Family or assisted-use toilet facilities serving as separate facilities. Where a building or tenant space requires a separate toilet facility for each sex and each toilet facility is required to have only one water closet, two family/assisted-use toilet facilities shall be permitted to serve as the required separate facilities. Family or assisted-use toilet facilities shall not be required to be identified for exclusive use by either sex as required by Section 2902.4.
- [P] 2902.3 Employee and public toilet facilities. Customers, patrons and visitors shall be provided with public toilet facilities in structures and tenant spaces intended for public utilization. The number of plumbing fixtures located within the required toilet facilities shall be provided in accordance with Section 2902.1 for all users. Employees shall be provided with toilet facilities in all occupancies. Employee toilet facilities shall either be separate or combined employee and public toilet facilities.

Exception: Public toilet facilities shall not be required in open or enclosed parking garages. Toilet facilities shall not be required in parking garages where there are no parking attendants.

- [P] 2902.3.1 Access. The route to the public toilet facilities required by Section 2902.3 shall not pass through kitchens, food preparation areas, unpackaged food storage areas, storage rooms or closets. Access to the required facilities shall be from within the building or from the exterior of the building. Access to toilets serving multiple tenants shall be through a common use area and not through an area controlled by a tenant. All routes shall comply with the accessibility requirements of this code. The public shall have access to the required toilet facilities at all times that the building is occupied.
- **2902.3.1.1 Food preparation areas.** Toilet rooms shall not open directly into a room used for the preparation of food for service to the public or residents of Group R-2 boarding homes and residential treatment facilities licensed by Washington state. For other requirements for plumbing facilities, see Chapter 11.
- [P] 2902.3.2 Location of toilet facilities in occupancies other than malls. In occupancies other than covered and open mall buildings, the required *public* and employee toilet facilities shall be located in each building not more than one story above or below the space required to be provided with toilet facilities, or conveniently in a building adjacent thereto on the same property, and the path of travel to such facilities shall not exceed a distance of 500 feet (152 m).

Exception: The location and maximum travel distances to required employee facilities in factory and industrial occupancies are permitted to exceed that required by this section, provided that the location and maximum travel distance are *approved*.

[P] 2902.3.3 Location of toilet facilities in malls. In covered and open mall buildings, the required *public* and employee toilet facilities shall be located not more than one story above or below the space required to be provided with toilet facilities, and the path of travel to such facilities shall not exceed a distance of 300 feet (91 440 mm). In mall buildings, the required facilities shall be based on total square footage (m2) within a covered mall building or within the perimeter line of an open mall building, and facilities shall be installed in each individual store or in a central toilet area located in accordance with this section. The maximum travel distance to central toilet facilities in mall buildings shall be measured from the main entrance of any store or tenant space. In mall buildings, where employees' toilet facilities are not provided in the individual store, the maximum travel distance shall be measured from the employees' work area of the store or tenant space.

- [P] 2902.3.4 Pay facilities. Where pay facilities are installed, such facilities shall be in excess of the required minimum facilities. Required facilities shall be free of charge.
- [P] 2902.3.5 Door locking. Where a toilet room is provided for the use of multiple occupants, the egress door for the room shall not be lockable from the inside of the room. This section does not apply to family or assisted-use toilet rooms.
- [P] 2902.4 Signage. Required public facilities shall be designated by a legible sign for each sex. Signs shall be readily visible and located near the entrance to each toilet facility. Signs for accessible toilet facilities shall comply with Section 1110.
- **[P] 2902.4.1 Directional signage.** Directional signage indicating the route to the public facilities shall be posted in accordance with Section 3107. Such signage shall be located in a *corridor* or aisle, at the entrance to the facilities for customers and visitors.
- [P] 2902.5 Drinking fountain location. Drinking fountains shall not be required to be located in individual tenant spaces provided that public drinking fountains are located within a travel distance of 500 feet of the most remote location in the tenant space and not more than one story above or below the tenant space. Where the tenant space is in a covered or open mall, such distance shall not exceed 300 feet. Drinking fountains shall be located on an accessible route. Drinking fountains shall not be located in toilet rooms.
- **2902.5.1 Drinking fountain number.** Occupant loads over 30 shall have one drinking fountain for the first 150 occupants, then one per each additional 500 occupants. EXCEPTIONS:
- 1. Sporting facilities with concessions serving drinks shall have one drinking fountain for each 1000 occupants.
- 2. A drinking fountain need not be provided in a drinking or dining establishment.
- **2902.5.2 Multistory buildings.** Drinking fountains shall be provided on each floor having more than 30 occupants in schools, dormitories, auditoriums, theaters, offices and public buildings.
- **2902.5.3 Penal institutions.** Penal institutions shall have one drinking fountain on each cell block floor and one on each exercise floor.
- **2902.6 Dwelling units.** Dwelling units shall be provided with a kitchen sink.
- **2902.7 Water closet space requirements.** The water closet stool in all occupancies shall be located in a clear space not less than 30 inches (762 mm) in width, with a clear space in front of the stool of not less than 24 inches (610 mm).
- **2902.8 Water.** Each required sink, lavatory, bathtub and shower stall shall be equipped with hot and cold running water necessary for its normal operation.

No amendments to Table 2902.1 of the 2009 W	Vashington State Building	g Code are n	roposed.
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Are additional pages attached?	No
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Please note number of additional pages:

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Supporting Data for Statewide Amendment Proposals. This information is required for all statewide amendment proposals. <u>Attach supporting documentation</u>, as necessary; incomplete proposals will not be accepted.

The SBCC requires supporting data on any amendment proposal to show:

- 1. That it meets basic criteria See Part I to specify how this proposal meets the criteria for code amendment.
- 2. The intended effect—See Part II to describe the purpose of the proposed amendment, including the benefits and the problems addressed.
- 3. The potential impacts or benefits to business—See Part III/Types of Construction, to explain how methods in construction businesses, industries and services would be affected.
- 4. The potential impact on enforcement procedures, See Part III/Types of Services Required, to provide some analysis of the impacts on code enforcement in local jurisdictions.
- 5. Economic costs and benefits Use the Table in Part IV of this form to estimate the costs and benefits of the proposal on construction practices, users and/or the public, the enforcement community, and operation and maintenance.

Part I & Background information on amendment.

Code References: IBC Chapter 29 Title: Plumbing Systems

Related codes: NA (Does this amendment change other related codes?) No

Proponent: City of Seattle Dept of Planning & Development Phone: 206-233-3892 Date: March 1, 2012

NOTE: State-wide and emergency state-wide amendments to the state building code must be based on one of the following criteria; please indicate the pertinent rationale for the proposed amendment by selecting from the list below:

- (1) The amendment is needed to address a critical life/safety need.
- (2) The amendment is needed to address a specific state policy or statute.
- (3) The amendment is needed for consistency with state or federal regulations.
- (4) The amendment is needed to address a unique character of the state.
- (5) The amendment corrects errors and omissions.

Part II * Amendment Benefit:

PROBLEM(S) ADDRESSED (Describe the intended effect of the proposed code amendment):

This proposal replaces the current State Chapter 29 with an amended version of IBC chapter 29. The proposal uses the 2012 International Building Code as the base provisions, and adds amendments that would retain the existing State provisions. The proposal does not propose any changes to the minimum plumbing fixture table, and could be adopted with either the table from the current Washington State Building Code or the International Building Code.

It eliminates amendments that no longer meet the criteria.
TYPE OF BENEFITS PROJECTED:
The proposal will make the Washington Code more consistent with the model code adopted in other states and jurisdictions.

PRIMARY REASON FOR AMENDMENT: (Describe how the amendment meets one of the criteria listed above)

Part III & Amendment Impacts or Renefits:

Tart III * Amendment Impacts of Denemes.	
TYPES OF CONSTRUCTION: ■ New Construction	
☐ Residential-Single Family ☐ Residential-Multi Family	☑ Commercial ☑ Industrial
List businesses/industries affected by amendment:	
Manufacturers:	
Specific Construction Contractors & Trades:	
Construction Supply Industry:	
Specialty Trades:	
Types of Buildings:	
Fire Protection Industry:	

T	YPES OF SERVICES REQUIRED:
	Reporting. Brief Description
	Record Keeping. Brief Description
	Other. Brief Description
	Indirect Cost to Industry . Indicate whether there are multiple sources to obtain the equipment, material or service required by this proposal. If not, provide a justification of the benefit versus small business impact.

Part IV ❖ Amendment Costs and Benefits

This proposal would not be expected to have any costs because it replaces the existing provisions with equivalent provisions from the model code.

model code.	model code.								
	Construction ¹			Enforcement ²		Operations & Maintenance ³		ince ³	
Building Type	Costs	% impact ⁴	Benefits ⁵	Costs	% impact	Benefits	Costs	% impact	Benefits
Residential									
Single family									
Multi-family									
Commercial/Retail									
Industrial									
Institutional									

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.

² Cost per project plan. Attach data. Enforcement costs include governmental review of plans, field inspection, and mediated litigation required for enforcement.

³ Cost to building owner/tenants over the life of the project.

⁴ Cost differential over a specific size project or range of projects as determined by the proponent. Provide sufficient cost and benefit detail to clarify the impact to the Council. All data should be created and referenced to third party reputable sources for verification.

⁵ Note sectors with measurable benefit from Part II, including benefits to a) the user, b) the public, c) the industry, and/or d) the economy; use e) for all of the above.

GENERAL INSTRUCTIONS FOR MAKING A CODE CHANGE PROPOSAL:

- 1. Check the boxes for the code or codes for which amendments are being proposed.
- 2. Provide the name of the local government, organization, or individual proposing the code change.
- 3. Proponent must sign and date the proposal as noted.
- 4. Provide contact information for the person designated to work with the Council and staff to supply information on the proposed changes as needed; please include name, address, phone number and e-mail address.
- 5. The specific section for which an amendment is proposed should be listed. The **entire section** should be reproduced, including the existing and the proposed amendatory language.
 - This must be prepared in legislative style formatting. Specifically, all added words should be underlined; all deleted words should be struck through. Any separate new sections added should be inserted in the appropriate place in the existing code language 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.
- 6. SUPPORTING DATA REQUIREMENTS FOR ALL STATEWIDE AMENDMENT
 PROPOSALS: You must attach background information with all statewide amendment proposals. The attached worksheet provides requirements for supporting data. All information will be forwarded to the Council as part of the amendment's documentation. TAG findings and projections from the worksheet will be tabulated to summarize projected benefits and impacts and will be included with TAG comments and recommendations. SBCC staff may request additional information as needed to clarify any potential impacts, and may perform additional research and analysis as needed when requested by the Council or the Standing Committee.
- 7. Please send an electronic copy of your completed proposal to SBCC staff at: sbcc@ga.wa.gov

NOTE: YOU MAY REPRODUCE THIS FORM AND ADD ADDITIONAL PAGES AS NEEDED.