



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): Section 5707 and 105.6**

**Title:**  
**ON-DEMAND MOBILE FUELING OPERATIONS**

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

**Proponent: The SBCC International Fire TAG**

**Title: International Fire TAG**

**Date: 12/10/2020**

**3. Designated Contact Person:**

**Name: Ray Shipman**

**Title: Building Code Specialist**

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**Cell: ( )**

**E-Mail address: Ray.Shipman@des.wa.gov**

**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](#)) **Booster Fuels' amendments in Green.**

**Code(s)** 2018 International Fire Code      **Section(s)** 5707 and 105.6

Enforceable code language must be used.

Amend section to read as follows:

**5707.1 General.** On-demand mobile fueling operations that dispense Class I, II and III liquids into the fuel tanks of motor vehicles shall comply with Sections 5707.1 through 5707.6. ~~(3)~~ 6.

**Exception:** Fueling from an *approved* portable container in cases of an emergency or for personal use.

**5707.1.1 Approval required.** Mobile fueling operations shall not be conducted without first obtaining a *permit* and approval from the *fire code official*. Mobile fueling operations shall occur only at *approved* locations. The *fire code official* is authorized to *approve* individual locations or geographic areas where mobile fueling is allowed.

**5707.1.2 Coordination of permits.** Permits across multiple authorities having jurisdiction shall be coordinated in accordance with Sections 5707.1.2.1 through 5707.1.2.4.

**5707.1.2.1 Acceptance of permits issued by other authorities having jurisdiction.** Local authorities having jurisdiction that allow mobile on demand fueling trucks ~~may~~ **shall** accept conforming permits issued and/or inspections performed by any other local authorities having jurisdiction in Washington State. Local authorities having jurisdiction that choose to accept conforming permits issued by other local authorities having jurisdiction in Washington State retain the right to **inspect the vehicle and operations and** enforce the provisions of this section.

**5707.1.2.2 Local authorities having jurisdiction not offering operator or truck certification.** A conforming operator or vehicle permit issued by one local authority having jurisdiction shall be recognized and accepted by all local authorities having jurisdiction in Washington State, if those local authority having jurisdictions allow mobile on demand fueling and do not offer such operator or truck certification. Under no circumstances will an issuing local authority having jurisdiction be expected to perform permissive inspections beyond their jurisdiction.

**5707.1.2.3 Commencing permit issuance.** When a local authority having jurisdiction that has previously authorized mobile fueling operations but not issued their own permits commences permit issuance for mobile fueling operations or vehicles, that local authority having jurisdiction shall continue to accept permits previously issued by another local authority having jurisdiction in Washington State for three months or until their expiration date, whichever is sooner.

**5707.1.2.4 Permit record maintenance.** Issuing local authorities having jurisdiction shall maintain a publicly available list of current permits or other information source to enable all parties to have information about whether permits are in good standing.

**5707.1.3 Jurisdictions that issue operator permits.** A conforming operator or vehicle permit issued by one local authority having jurisdiction ~~may~~ **shall** be recognized and accepted by all local authorities having jurisdiction in

Washington state for a minimum three months or until the expiration date, whichever is sooner, while the local authority having jurisdiction commences its own permit issuance.

**5707.2 Mobile fueling vehicle.** An on-demand mobile fueling vehicle shall be one of the following: utilized in on-demand fueling operations for the dispensing of Class I, II or III liquids into the fuel tanks of motor vehicles and shall comply with Sections 5707.2.1 and 5707.2.2.

**5707.2 Mobile fueling vehicle.** An on-demand mobile fueling vehicle shall be ((one of the following:)) utilized in on-demand fueling operations for the dispensing of Class I, II or III liquids into the fuel tanks of motor vehicles and shall comply with Sections 5707.2.1 and 5707.2.2.

**5707.2.1 Mobile fueling vehicle classifications.** An on-demand mobile fueling vehicle shall be classified as one of the following:

1. **Type 1 Mobile Fueling Vehicle-** A tank vehicle that complies with NFPA 385 and that has chassis-mounted tanks or containers where the aggregate ~~car~~ capacity does not exceed 1200 1600 gallons (4592 6057 L).
2. **Type 2 Mobile Fueling Vehicle-** A mobile fueling vehicle with a mounted tank in excess of one or more chassis-mounted tanks or chassis-mounted containers, not to exceed 110 gallons (415 L) capacity for each tank or container and having an aggregate capacity not exceeding 800 gallons (3028 L) shall comply with the requirements of Section 5706.6, Section 5707 and NFPA 385 or the weight capacity of the vehicle in accordance with DOTn.
3. **2. Type 3 Mobile Fueling Vehicle-** A vehicle that carries a maximum aggregate capacity of 60 gallons (227 L) of motor fuel in metal safety cans listed in accordance with UL 30 or other approved metal containers, each not to exceed 5 gallons (19 L) in capacity. Containers shall be secured to the mobile fueling vehicle except when in use.

**5707.2.2 Mobile fueling vehicle requirements.** Each The mobile fueling vehicle shall comply with all local, state and federal requirements, and the following:

1. Mobile fueling vehicles with a chassis-mounted tank in excess of 110 gallons (415 L) shall also comply with the requirements of Section 5706.6 and NFPA 385.
2. The mobile fueling vehicle and its equipment shall be maintained in good repair.
3. Safety cans and approved metal containers shall be secured to the mobile fueling vehicle except when in use.
4. Fueling a motor vehicle from tanks or containers mounted in a trailer connected to a mobile fueling vehicle shall be prohibited unless the trailer is NFPA certified and meets all relevant IFC standards and requirements.

**5707.3 Required documents.** Documents developed to comply with Sections 5707.3.1 through 5707.3.3 shall be updated as necessary by the *owner* of the mobile fueling operation and shall be maintained in compliance with Section 108.3.

**5707.3.1 Safety and emergency response plan.** Mobile fueling operators shall have an *approved* written safety and emergency response plan that establishes policies and procedures for fire safety, spill prevention and control, personnel training and compliance with other applicable requirements of this code. The safety and emergency response plan shall specifically address and require that all operators assess surroundings prior to fueling to consider the presence of items listed in 5707.3.3

**5707.3.2 Training records.** Mobile fueling vehicles shall be operated only by designated personnel who are trained on proper fueling procedures and the safety and emergency response plan. Training records of operators shall be maintained.

**5707.3.3 Site plan.** Where required by the *fire code official*, a site plan shall be developed for each location or area at which mobile fueling occurs. The site plan shall be in sufficient detail to indicate but not be limited to the following:

1. All buildings, structures,
2. ~~↓ Lot lines or~~, property lines ~~and~~
3. Electric car chargers
4. Solar photovoltaic parking lot canopies
5. Appurtenances on site and their use or function;
6. All uses adjacent to the *lot lines* of the site; ~~all~~
7. ~~↓~~ Fueling locations, ~~the~~
8. ~~↓~~ Locations of all storm drain openings and adjacent waterways or wetlands;
9. ~~↓~~ Information regarding slope, natural drainage, curbing, and impounding. ~~and~~
10. ~~↓~~ How a spill will be kept on the site property; ~~and the~~
11. ~~↓~~ Scale of the site plan.

**5707.3.4 Tiered Sites.** Where a site permitting process is required by the local jurisdiction, a site the fire code official shall create a two-tiered system identifying site conditions or characteristics for each tier be designated by the fire code official to be one of the following.:

**5707.3.4.1 Tier 1 Sites.** Tier 1 Sites shall mean locations that do not contain or present conditions or characteristics that present significant safety or environmental concerns for mobile fueling operations. For locations deemed as Tier 1 Sites, an inspection shall not be required by the fire code official prior to mobile fueling operations being commenced, provided that the written notice and a site plan as defined in 5707.3.3 has been provided to the fire code official three business days prior to the commencement of mobile fueling operations. that have been determined that an inspection is not required by the fire code official or that have site conditions or characteristics approved by the fire code official. The *fire code official* may impose additional conditions at a future date if warranted.

**5707.3.4.2 Tier 2 Sites.** Tier 2 Sites shall mean locations that may require an inspection by the fire code official prior to mobile fueling operations being commenced due to the presence of the site conditions or characteristics listed below. Tier 2 sites shall require approval by the fire code official prior to permit issuance and may require site inspections and the development of a site-specific safety and emergency response plan for each location at which fueling occurs. Tier 2 conditions and characteristics are locations that present atypical geographic, safety, or environmental concerns and can contain but are not limited to the following site characteristics: -that require an inspection shall be approved by the fire code official prior to permit issuance.

1. Above ground storage tanks containing flammable gas or Class 1 or Class 2 liquid
2. Underground injection or groundwater wells within 100ft downgradient from site

**5707.4 Mobile fueling areas.** ~~Mobile fueling~~ During fueling, the mobile fueling vehicle and point of connection of the vehicle being fueled shall not be located ~~shall not occur~~ on public streets, *public ways* or inside *buildings*. Fueling on the roof level of parking structures or other *buildings* is prohibited.

**5707.4.1 Separation.** ~~Mobile fueling~~ During fueling, the point of connection of the vehicle being fueled shall

not take place within 25 feet (7620 mm) of buildings, lot lines, property lines or combustible storage. Mobile fueling vehicles shall not park within 10 feet (3048 mm) of buildings, lot lines, property lines or combustible storage.

**Exceptions:**

1. The *fire code official* shall be authorized to decrease the separation distance for dispensing from metal safety cans or other *approved* metal containers in accordance with Section 5707.2.
2. The point of fueling shall not take place within 10 feet (3048 mm) of buildings, lot lines, property lines, or combustible storage when the mobile fueling vehicle has an approved vapor recovery system or is servicing vehicles with on board refueling vapor recovery.

Where dispensing operations occur within 15 feet (4572 mm) of a storm drain, an *approved* storm drain cover or an *approved* equivalent method that will prevent any fuel from reaching the drain shall be used.

**5707.4.2 Sources of ignition.** Smoking, open flames and other sources of ignition shall be prohibited within 25 feet (7620 mm) of fuel dispensing activities. Signs prohibiting smoking or open flames within 25 feet (7620 mm) of the vehicle or the point of fueling shall be prominently posted on the mobile fueling vehicle. The engines of vehicles being fueled shall be shut off during fueling.

**5707.4.3 Electrical equipment.** Mobile fueling shall not occur within 20 feet of electrical equipment located within 18 inches of the ground unless such electrical equipment is rated for Class 1, Division 2 hazardous locations in accordance with NFPA 70 or if the equipment is weather protected.

**5707.5 Equipment.** Mobile fueling equipment shall comply with Sections 5707.5.1 through 5707.5.4.5.

**5707.5.1 Dispensing hoses and nozzles.** Where equipped, the dispensing hose shall not exceed 50 feet (15240 mm) in length. The dispensing nozzles and hoses shall be of an *approved* and *listed* type. Where metal-to-metal contact cannot be made between the nozzle and the fuel fill opening, then a means for bonding the mobile fueling vehicle to the motor vehicle shall be provided and employed during fueling operations.

**5707.5.2 Break-away device.** A listed break-away device shall be provided at the nozzle.

**Exception:** Mobile fueling vehicles equipped with an approved brake interlock tied to the nozzle holder that prohibits movement of the mobile fueling vehicle when the nozzle is removed from its holder or tied to the delivery of fuel that prevents activation of the pumping system.

**5707.5.2.3 ((Fuel)) Shut off valve and fuel limit.** Mobile fueling vehicles shall be equipped with a listed shutoff valve assembly and a fuel limit switch set to a maximum of 30 gallons (116 L) and a nozzle or other approved device that, when activated, immediately causes flow of fuel from the mobile fueling vehicle to cease.

**5707.5.3.4 Fire extinguisher.** An *approved* portable fire extinguisher complying with Section 906 with a minimum rating of 40 4A:80-B:C shall be provided on the mobile fueling vehicle with signage clearly indicating its location.

**5707.5.4.5 Spill kit.** Mobile fueling vehicles shall contain a minimum 5-gallon (19 L) spill kit of an *approved* type.

**5707.6 Operations.** Mobile fueling vehicles shall be constantly attended during fueling operations with brakes set and warning lights in operation. Mobile fueling vehicles shall not obstruct emergency vehicle access roads.

**5707.6.1 Dispensing hose.** Where equipped, mobile fueling vehicles shall be positioned in a manner to preclude traffic from driving over the dispensing hose. The dispensing hose shall be properly placed on an *approved* reel or in an *approved* compartment prior to moving the mobile fueling vehicle.

**5707.6.2 Drip control.** Operators shall place a drip pan or an absorbent pillow under the nozzle and each fuel fill

opening prior to and during dispensing operations to catch drips.

**5707.6.3 Safety cones.** Safety cones or other visual barriers shall be employed as warning devices to highlight the vehicle fueling area. Signs prohibiting smoking or open flames within 25 feet (7620 mm) shall be prominently posted in the vehicle fueling area.

**5707.6.4 Vehicle lights.** The mobile fueling vehicle flasher lights shall be in operation while dispensing operations are in progress.

**5707.6.5 Nighttime deliveries.** Nighttime deliveries shall only be made in areas adequately lighted per WAC 296-800-21005 or equivalent as *approved* by the *fire code official*.

**5707.6.3-6 Spill reporting.** Spills shall be reported in accordance with Section 5003.3.1.

**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.

**Missing this language—moved the changes up to the correct section. Should be something like:  
Required changes to implement legislation as specified in HB/SB 1234/5678**

**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

Explain:

This process should reduce permitting costs for venders operation in more than one jurisdiction.

An economic analysis is not required per RCW 34.05.328(5)(b)(v) Rules the content of which is explicitly and specifically dictated by statute, including any rules of the department of revenue adopted under the authority of RCW [82.32.762\(3\)](#)

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

This process should reduce permitting costs for venders operation in more than one jurisdiction.

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.