

Seattle Fire Department Permit Conditions

**1207-
Install**

Site Address: _____

Inspector: _____

Installation of Stationary Fuel Cell Power Systems

Permission is hereby granted under the provisions of the Seattle Fire Code (SFC) to install a Stationary Fuel Cell Power System in accordance with the Seattle Fire Code and the following conditions:

STATIONARY FUEL CELL POWER SYSTEMS (INDOOR)

PERMIT CONDITIONS:

1. Permits shall be kept on the premises designated herein at all times and shall be posted in a conspicuous location or shall be kept on the premises in an approved location. [SFC 105.1]
2. Pre-packaged stationary fuel cell power systems shall be listed and labeled in accordance with CSA FC1. Field-fabricated fuel cell power systems shall be approved based on a technical report per SFC 104.7.2. [SFC 1205.3]
3. Stationary fuel cell power systems are not allowed in Group R-2 or R-3 occupancies. [SFC 1205.5]
4. Stationary fuel cell power systems with an aggregate rating of 50 kW or more shall have stored in rooms classified as Group B, F, M, S and U occupancies shall be separated by fire barriers or horizontal assemblies with a minimum of 1-hour fire-resistance-rated construction. Rooms in Group A, E, I and R occupancies shall be separated by 2-hour fire-resistance-rated construction. [SFC 1205.6.2]
5. Fuel supplies shall comply with SFC Chapter 53, 58 and the International Fuel Gas Code as applicable. [SFC 1205.9]
6. A manual shut off valve shall be provided for fuel piping within 6 feet of any fuel storage tank serving a fuel cell and within 6 feet of the power system. [SFC 1205.10]
7. Ventilation, exhaust, and fire suppression shall be provided per NFPA 853. [SFC 1205.11 and 1205.12]
8. Gas detection system shall be provided. System activation shall automatically close valves between the gas supply and the fuel cell power system, shut down the fuel cell power system and initiate a local audible and visible alarm in approved locations. [SFC 1205.13 and 1205.13.1]

STATIONARY FUEL CELL POWER SYSTEMS (OUTDOOR)

1. Vehicle impact protection per SFC 312 shall be provided when systems are subject to possible vehicle impact. [SFC 1205.7]
2. Stationary fuel cell power systems located outdoors shall be separated by not less than 5 feet from lot lines, public ways, buildings, stored combustible materials, hazardous materials, high-piled stock, any part of an egress system or other exposure hazard. [SFC 1205.8]