



# FIRE CONSTRUCTION PERMIT SUBMITTAL CHECKLIST

SERVING THE CITIES OF LAKE STEVENS, MONROE AND SULTAN

## STATIONARY FUEL CELL POWER SYSTEMS

### PROJECT INFORMATION

Site address:	Associated Permits:
Project Name / Tenant:	Property Owner:

### **Electronic file standards**

File naming standard: Electronic plans and documents shall be named as specified in bold type under “permitting requirements”. For example, the seating plan must be named “Seating Plan”.

Acceptable file types: Plans, calculations, specifications and supporting documents shall be uploaded as a PDF file.

Document Orientation: All plans must be uploaded in “Landscape” format in the horizontal position. All other documents can be in “Portrait” format.

### CODE EDITIONS

- 2021 Washington State Fire and Building Code and as applicable - Lake Stevens Municipal Code 14.84, Monroe Municipal code 15.04.110 and Sultan Municipal Code 15.05

### PERMITTING REQUIREMENTS

A Fire Construction Permit is required to install **Stationary fuel cell power systems** required by Section 105.6.9 of the 2021 Washington State Fire Code and local code amendments. **The following information is required at time of application for the Fire Construction Permit.**

- Completed Fire Construction permit submittal application
- Plans

## **PLANS**

The following is a list of information required on all plan submittals for review of a “plant extraction system” permit application. The plan shall be drawn to 1/8”=1’-0” minimum scale. The applicant is required to submit all of this information so an accurate and timely review may be done:

### **Fuel cell power system details required:**

- Manufacturer:
- Listing information:
- Model:
- Capacity in kW:
- Fuel Type:
- Location of Installation: Indoor/Outdoor

### **Indoor installations:**

Provide a floor plan for the following requirements:

- Show layout of building, Indicate egress pathways, doors
- Show the room containing the fuel cell power system
- Indicate the separation method for the room and each of the following:
  - Group B, F, M, S and U – a 1-hour separation required
  - Group A, E, I and R – a 2-hour separation required
- Indicate the location of the gas detection system and the system activation details.
- Compliance with ventilation, exhaust, and separation requirements as per NFPA 853
- Proper storage and handling of fuel sources in accordance with NFPA 853.
- Show location of the manual shutoff – required to be outside of the room in which the system is installed.

### **Outdoor Installations:**

- Show setbacks to the following:
  - Lot lines, public ways, buildings, stored combustible materials, hazardous materials, high-piled stock, any portion of a designated means of egress system, other exposure hazards.
  - Show location of the manual shutoff on outdoor systems
  - Indicate the location of the stationary fuel cell power system and the fuel supply. Indicate distance between each.
  - Show impact protection for systems subject to impact by a motor vehicle.

### **All Installations:**

- Show compliance with the design, location, and installation of the fuel supply per chapter 53 and 58 of the International fuel gas code.
- Indicate method of fire protection systems for stationary fuel cell power systems as required per NFPA 853.