

Seattle Fire Department

Permit Conditions

6401

Site Address: _____

Inspector: _____

Energy Storage System (Annual)

NOTICE

This permit shall be kept on the premises designated herein at all times and shall be readily available for inspection by the fire code official. (SFC 105.3.5)

1. The ESS shall be operated and maintained in accordance with the operations and maintenance manual and a copy of the manual shall be retained at an approved on-site location. (SFC 1207.2.2)
2. Systems that monitor and protect the ESS installation shall be inspected and tested in accordance with the manufacturer's instructions and the operation and maintenance manual. Inspection and testing records shall be maintained in the operation and maintenance manual. (SFC 1207.2.2.1)
3. Repairs of ESS shall only be done by qualified personnel. Repairs with other than identical parts shall be considered retrofitting and require a new 6401-Install permit. Repairs shall be documented in the service records log. (SFC 1207.3.6)
4. Storage batteries previously used in other applications, such as electric vehicle propulsion, shall not be reused in applications unless the equipment is refurbished by a battery refurbishing company approved in accordance with UL 1974. (SFC 1207.3.9)
5. Combustible materials shall not be stored in ESS rooms, areas or walk-in units. (SFC 1207.4.6)
6. Signage shall be maintained as originally required or the following information on new signage shall be provided on or adjacent to entry doors to the ESS room or area:
 1. "ENERGY STORAGE SYSTEM," "BATTERY STORAGE SYSTEM," "CAPACITOR ENERGY STORAGE SYSTEM" or the equivalent.
 2. The identification of the electrochemical ESS technology present.
 3. "ENERGIZED ELECTRICAL CIRCUITS." Where water-reactive electrochemical ESS are present, the signage shall include "APPLY NO WATER."
 4. Current contact information, including phone number, for personnel authorized to service the equipment and for fire mitigation personnel. (SFC 1207.4.8)
7. Outdoor ESS shall have a 10-foot clearance to combustible materials or vegetation maintained. (SFC 1207.5.7)
8. Rooms, areas and walk-in units in which energy storage systems are located shall be secured against unauthorized entry and safeguarded in an approved manner. Security barriers, fences, landscaping and other enclosures shall not inhibit the required air flow to or exhaust from the electrochemical ESS and its components. (SFC 1207.4.9)
9. All fire-resistance-rated construction shall be maintained. (SFC 701.2)
10. All fire protection and life safety systems shall be tested and maintained in an operative condition. (SFC 901.4.1)

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11. Where the ESS disconnecting means is not within sight of the main electrical service disconnecting means, placards or directories shall be installed at the location of the main electrical service disconnecting means indicating the location of stationary storage battery system disconnecting means in accordance with NFPA 70. (SFC 1207.4.1)

12. Gas detection systems installed shall be maintained and signage shall be provided adjacent to the gas detection system alarm signaling devices that advise occupants of the nature of the signals and actions to take in response to the signal. (SFC 916.9 & 916.11)