	Presidio Trust **Fire Marshal's Office** *1750 Lincoln Blvd. San Francisco, California 94129*	**Date**: May 31, 2022 **Revision**: Sept 28, 2026 **Standard**: ***GEN-001***
Title: **Generators Standard**	**Approved By**: *Randy Amores*	

SCOPE

These requirements apply to the installation of emergency and standby generators and apply to both temporary and permanent installations. These requirements supplement other requirements and/or guidelines and are not all-inclusive.

Emergency and standby generator use shall comply with the following code/standard requirements:

- California Fire Code
- National Fire Protection Association, NFPA 37, Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines
- National Fire Protection Association, NFPA 70, National Electrical Code
- National Fire Protection Association, NFPA 110, Standard for Emergency and Standby Power Systems
- National Fire Protection Association, NFPA 10, Standard for Portable Fire Extinguishers

1. GENERAL

1.1. An installation permit is required from the Presidio Trust Permitting Office to install an emergency or standby generator tank, piping, and associated equipment.

1.2. A new or modified Hazardous Materials Business Plan (HMBP) may be required before placing the tank(s) in service.

1.3. Notification of the electric utility is required.

1.4. Permits may also be required from the Bay Area Air Quality Management District.

2. POLICY

2.1. Generators: *Requirements are listed below but are not all-inclusive*:

2.1.1. Engine rooms located within structures shall have interior walls, floors, and ceilings of at least a one-hour fire resistance rating.

2.1.1.1. The ceiling of rooms located on the top floor of a structure shall be permitted to be noncombustible or protected with an automatic fire suppression system.

2.2. Engine rooms attached to structures shall have the common wall be of at least a one-hour fire resistance rating.

2.3. Engines and their weatherproof housings that are installed on the roofs of structures shall be located at least five feet from openings in walls and at least five feet from structures with combustible walls. A minimum separation shall not be required where the following conditions exist:

2.3.1. The adjacent wall of the structure has a fire resistance rating of at least one hour.

2.3.2. The weatherproof enclosure is constructed from noncombustible materials, and it has been demonstrated that a fire within the enclosure will not ignite combustible materials outside the enclosure.

2.4. Exhaust pipes and ducts passing directly through combustible roofs should be guarded at the point of passage by ventilated metal thimbles that extend to not less than nine inches on each side of the roof construction and are at least six inches larger in diameter than the exhaust pipe or duct.

2.5. Exhaust pipes and ducts passing directly through combustible walls or partitions should be guarded at the point of passage by one of the following methods:

2.5.1. Metal ventilated thimbles not less than 12 inches larger in diameter than the exhaust pipe or ducts.

2.5.2. Metal or burned fire clay thimbles built in brickwork or other approved fireproofing materials providing not less than eight inches of insulation between the thimble and the combustible material.

2.6. Electrical wiring and equipment shall be installed in accordance with NFPA 70, National Electrical Code. *Indicate the type and class of electrical wiring on the plans.*

2.7. All generator signage will follow the Presidio Trust Fire Marshal's Office G-02 Generator Signage Standard.

2.8. A sign shall be placed at the main electrical shutoff box identifying the type and location of all normal and emergency power sources connected at that location. *Indicate the location of the main electrical shutoff and the signage on the plans.*

2.9. At least one portable fire extinguisher shall be provided near and within sight of the equipment (NFPA 10 Standard for Portable Fire Extinguishers). *Indicate the size and location of the fire extinguishers on the plans.*