



FLOWER MOUND FIRE DEPARTMENT

FIRE MARSHAL'S OFFICE

3911 SOUTH BROADWAY AVENUE | FLOWER MOUND, TEXAS 75028

PHONE (972) 874.6270 | www.flower-mound.com

EMERGENCY / STANDBY GENERATORS INSTALLATION AND OPERATION

These guidelines must be followed when a building or facility within the Town of Flower Mound proposes installing an emergency or standby generator.

I) INSTALLATION REQUIREMENTS

- A) The fuel supply shall be dedicated to the generator and not used for any other purpose.
- B) Aboveground or underground storage tanks that provide the fuel supply for a generator shall meet the respective installation guidelines, and a separate permit will be issued.
- C) The prime mover shall meet the requirements of NFPA 110.
- D) A control panel shall be provided at an accessible location, provide provisions for full control of the generator, and indicate any alarms or fault conditions.
- E) Transfer switches shall be monitored.
- F) Generators within a building shall be in a 2-hour fire-rated room. This is the only equipment permitted within this room.
- G) Emergency lighting shall be provided when a generator is located within a building.
- H) Outside installations and skid-mounted generators shall be secured to the foundation.
- I) Ventilation for installations inside buildings shall be supplied from outside.
- J) Generators shall be provided with a cooling system.
- K) Fuel tanks and fuel supply piping shall be installed and maintained in accordance with NFPA 30, NFPA 37, NFPA 54, and/or NFPA 58, as applicable to the installation.
- L) A minimum of three ft. clearance shall be maintained on all sides of the fuel supply and piping.
- M) Condensate drain valve shall be provided on the exhaust piping, or the exhaust shall be self-draining.
- N) A 2-hour full building load test shall be required.
- O) A minimum of one (1) fire extinguisher shall be provided at the generator location.
- P) Installations shall be kept free and clear of all combustible materials.
- Q) NO SMOKING signs and approved NFPA 704 hazard identification signs shall be posted at the installation as necessary, depending upon the specific installation.
- R) The Fire Marshal's Office may approve alternate methods and materials.
- S) The Fire Department may approve alternate methods and materials as needed.

II) OPERATIONAL REQUIREMENTS

- A) Emergency generators shall be inspected and maintained in accordance with Section 8.4 of NFPA 110. A written record and schedule shall be maintained on-site.

[Please refer to the information below to expedite the plan review and inspection processes.](#)

III) PERMITTING REQUIREMENTS

- A) Indicate the generator type as either Level 1 or Level 2.
- B) Indicate the energy source for the generator (LPG, Natural Gas, Diesel, Electric, etc.). On-site



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- fuel sources, such as diesel, will require a separate submittal and permit.
- C) Provide a written description of the intent of the installation.
 - D) Site plan drawing of the site location and conditions, to include;
 - 1) All buildings and structures.
 - 2) Fire lanes and fire hydrants.
 - 3) Location of the generator with regards to building façade and exits.
 - 4) Location of the lot line and distance from the lot line.
 - E) Building construction drawings if located within the building, to include;
 - 1) Construction of the room.
 - 2) Intake and exhaust air locations of the generator.
 - 3) Electrical and fuel supply piping.
 - F) Provide a scaled drawing of the exact type of generator to be installed and indicate all listings and approvals.
 - G) Manufacturer's data sheets for the generator, transfer switches, controllers, and any other equipment associated with the generator installation.
 - H) Electrical online drawings and panel board schedules.
 - I) Indicate any generator batteries and chargers to charge and/or start.
 - J) A full equipment listing.
 - K) Drawings shall be submitted for review and approval before installation.
 - L) Drawings shall be generated by the installing company specific to the installation. Drawings shall show the plan view and other pertinent information.
 - M) Submittal package must identify and include all the above requirements to be accepted for review.
 - N) Generators or ancillary equipment shall be installed on the site once a Permit has been issued. Any work performed before the issuance of this permit may result in a citation being issued for violation of Section 107.4 of the 2021 International Fire Code.

IV) GENERAL SUBMITTAL REQUIREMENTS

- A) Each submittal shall have a completed Flower Mound Fire Marshal's Office Plan Review Permit Application.
- B) Plans approved by the Fire Marshal's Office give authorization for installation. Final approvals are subject to field verification. Any approval issued by the Fire Marshal's Office does not release the contractor or property owner from the responsibility of full compliance with all applicable codes and ordinances.
- C) All fire department inspection forms and permits shall be kept on the job site until the final inspection.
- D) All installations shall comply with the approved plans. Any deviation from the approved plans requires a re-submittal to the Fire Marshal's Office.