



GENERATOR INFORMATION SHEET

Types of generators

- Temporary / Portable generators are typically used on jobsites or for limited powering of electrical needs during power outages. This equipment is not hardwired to the buildings electrical system. It is typically connected to a limited number of appliances through a plug or extension cord. Such appliances could include; lighting, sump pump and refrigerator. The capacity of these generators is limited. NO permit is required.
- Portable Systems Generators are a hybrid product used as a portable piece of equipment or hardwired (connected)to the building's electrical system. Capacities of these systems vary. PERMIT required.
- Permanent Generators are installed in a permanent location and hardwired to the electrical system of the building or structure. The units can either be sized to take a limited electrical load or the electrical load of the entire structure. PERMIT required.

Permit and Inspections

Permit submission requirements:

- Completed [building permit application](#) including proposed electrical work to meet codes (such as possible electrical upgrades).
- Installation work must be performed by an electrician licensed and bonded with the village.
- Two (2) plats of survey showing the proposed location of the generator and the distance to the nearest property lines. Generator is required to be located outdoors and not in the home or garage.
- Copy of Manufacturer's Product Literature and Installation Instructions.

ComEd Requirements:

- If your service is older and has a certain type of meter, you may be required by ComEd to upgrade the meter. Please verify this before submitting for a village permit. The Village Electrical Inspector may be able to assist your electrician with determining ComEd's requirements.
- Permit review turnaround is generally 5 working days for the first review and 5 working days for any subsequent reviews.
- Permit Fee - \$50.00 paid at permit issuance

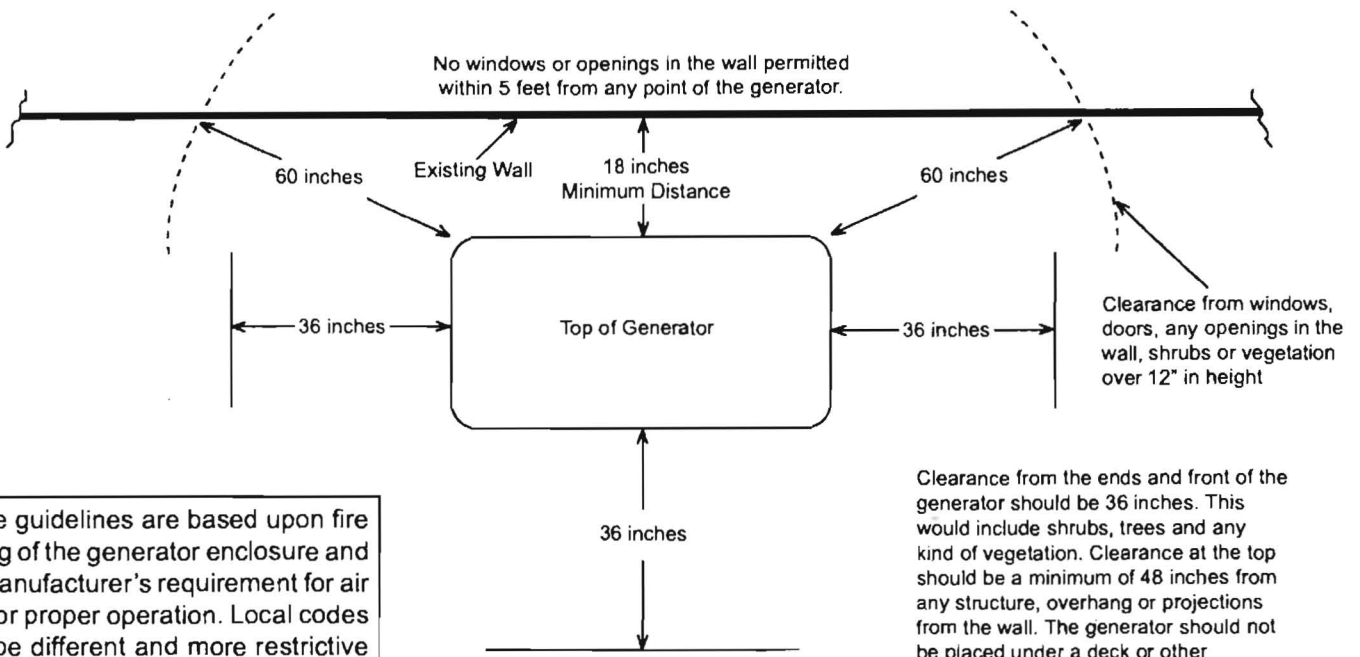
Permit submittal is reviewed for:

- Zoning Requirements
 - Setbacks -- Generators may not be located in the required setbacks established by the zoning district in which the property is located. Year-round landscaping is required to screen generators that are visible from a street.
- Construction Requirements
 - Building -- Compliance with the governing building code
 - - Single-family residences -- the governing code would be International Residential Code 2006 with amendments per Ordinance No. 5190 dated 2/3/2009.
 - Multi-Family and Commercial properties -- International Building Code 2006 with amendments per Ordinances 5190 dated 2/3/2009 and 5380 dated 10/5/2010.

- Electrical – National Electric Code 2008 with amendments per Ordinance No. 5379 dated 10/5/2010.
- Noise – The maximum sound (decibel) level permitted in Glenview is 70 decibels. The manufacturer’s product literature and installation instructions if submitted must confirm that the noise output levels, in decibels, are not exceeded. If this information is not provided, the permit is typically approved with conditions that the noise limitations of the Glenview Zoning Ordinance are to be complied with. These requirements are found in Section 98-374 of the Municipal Code. Providing the Village’s sound limitations to the manufacturer for verification of compliance in advance is suggested. Verification of sound levels is confirmed through a noise meter at the property line. This regulation is typically evaluated on a complaint basis. Sound levels may amplify if located between two walls. Staying below the maximum sound level may require the generator to have an optional sound suppressing enclosure and a residential muffler.
- Inspections
 - A final inspection is required after all work is complete and before operating the generator.
 - Call 847-724-4330 to schedule an inspection. 24 hour notice is required for the inspection.
 - Please contact the electrical inspector, Troy Perrin, 847-724-4330, if there are any questions prior to or during installation of the unit.

General Installation Requirements

- The generator must be installed in accordance with the Manufacturer’s Installation Instructions.
- Electrical Requirements
 - Grounding is required at the transfer switch and the gas/water pipes.
- Gas Requirements
 - Approved plastic gas piping must be installed per manufacturer’s installation requirements; including protection (anodless).
 - Approved metallic gas pipe is required to be protected against moisture and corrosion.
- Safety Concerns
 - Clearances – (For exhaust and combustibles)
 - Generator spacing from the building (i.e. window and door openings) and combustible materials (i.e. vinyl/wood siding and decks) shall meet manufacturer’s specifications. These distance requirements may also include neighboring buildings.
 - Extension Cords -
 - Extension cords are required to be rated for wet locations, the amperage rating of the circuit and be listed as the heavy duty type.
 - GFCI (Ground Fault Circuit Interrupter) protection is required for extension cords.
 - General
 - Know your equipment. Thoroughly read all operating and maintenance instructions before using any generator.
 - Gasoline must be stored in a safety-approved container. Do not attempt to fill your gas tank while generator is operating. Do not spill gasoline on hot generator components or yourself.



These guidelines are based upon fire testing of the generator enclosure and the manufacturer's requirement for air flow for proper operation. Local codes may be different and more restrictive than what is described here.

Clearance from the ends and front of the generator should be 36 inches. This would include shrubs, trees and any kind of vegetation. Clearance at the top should be a minimum of 48 inches from any structure, overhang or projections from the wall. The generator should not be placed under a deck or other structure that is closed in and would limit or contain air flow.

