

Generators



Barrington Hills Permit Submittal Requirements

- Permit Application
- All construction shall comply with the adopted codes and ordinances.
- Copy of manufacturer's data and installation instructions.
- A legible survey or site plan indicating the location of the proposed generator and distances from property lines and structures and any trenching that may be required for installation. Generators shall be located a minimum distance of 5 feet from windows, doors and air intake locations. The ATS shall have 36" x 30" working space.
- Single line diagram showing all electrical equipment in the installation. Include all of the following: meter, main panel, automatic transfer switch, generator panel (if applicable), disconnects (if applicable), subpanels (if applicable) and the generator. Show sizes, in volts and amperes, of all equipment. State the size of the generator in kilowatts and its main circuit breaker size. Show conduit size and type, number and size of wires (including grounding conductor) and wire insulation type.
- Electric Load Calculations.
- Outdoor equipment must be rated for outdoor use.
- Gas pipe and electrical conduit above ground must be supported.
- Show the routing of the water pipe ground, if present, to the Service Disconnect enclosure.
- Bonding of the water pipe system at the water meter & water heater(s). The water heater(s) shall be jumpered between the cold and hot water pipes with a jumper sized according to NEC Table 250.66, per NEC 250.104 (A)(1); and any metal gas piping shall be bonded, per NEC 250.104(B).
- All smoke alarms and CO alarms are required to be up to date and in proper working order.
- The applicant is responsible to provide verification from NICOR Gas the current gas service is sufficient for the new generator.
- Generators may only be placed in rear and side yards.

This checklist is provided as a helpful guide for a building permit submission. While every effort has been made to include common requirements and considerations, it is not guaranteed to be comprehensive or exhaustive. The Village does not guarantee that this checklist is exhaustive.