



## CITY OF PARK RIDGE

505 BUTLER PLACE  
PARK RIDGE, IL 60068  
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URL:<http://www.parkridge.us>

DEPARTMENT OF COMMUNITY PRESERVATION AND DEVELOPMENT BUILDING SAFETY DIVISION

### **Electrical Generator Guidelines**

**All construction shall meet the following codes:**

- 2015 International Energy Conservation Code**
- 2015 International Residential Code**
- 2015 International Building Code**
- 2015 International Fuel Gas Code**
- 2014 National Electric Codes**

Review the city ordinances at [www.parkridge.us](http://www.parkridge.us)

This document is only for use with residential optional standby systems as defined in Article 702 of the *National Electrical Code*. The statements presented in this document are only informational, please consult actual codes adopted by the City of Park Ridge for specific compliance and information. Call Julie before you dig. It's FREE.....Toll free 8 – 1 - 1

### **Submittal Requirement Checklist:**

- Plat of survey with detailed site plan of all setbacks, easements, required screening, locations of window or vent openings, and gas piping systems and the sizing and installation of such systems. Gas piping systems are sized to supply the maximum demand.
- Submittal information sheet (on page 4) for electrical, gas, equipment, and zoning information
- Aim of exhaust vent and air intake direction
- Detail of required screening (type of screening and dimensions)
- Copy of manufacture spec sheets/installation instructions
- Electrical line diagram (include connections, materials and sizing)

***Failure to provide any of the above requirements may result in processing delays***

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### **General Guidelines:**

- There shall be no grade changes unless indicated in detail on the site plan and approved.
- All equipment shall be installed per manufactures' installation instructions. All standby generators shall be listed in accordance with UL 2200. (*IFC 604.1.1*)
- Generator shall be installed not less than 5 feet from any building and not less than 5 feet from any exit. Generators shall be located not closer than 5 feet from openings in walls and not closer than 5 feet from structures having combustible walls. (*NFPA 37; 4.1.4*)

Exception: Where the weatherproof enclosure is constructed of noncombustible materials and/or the manufacture's installation guide permits a clear space of less than 5 feet.

- No less than 36 inches of clear access and working space in front of any electrical access panels must be provided.
- The exhaust vent of the generator shall not be within 5 feet of any openable window, door or any other air intake opening.
- The standby generator shall be capable of supplying the full load that is transferred by the automatic transfer switch. Where the output capacity of the generator is less than the rated ampacity of the main breaker of the panel served, a load shedding system shall be required.
- Customer required to contact ComEd to reseal meter fitting. ComEd does not permit access to line side of meter. All connections to be on load side only. Contact ComEd for details.
- A permanent plaque shall be installed at each service disconnection and at the meter socket denoting the presence of a generator and its location (*NEC 230.2(E) 702.7*)
- The exterior portion of the service must be brought up to code whenever a whole house transfer switch is installed.

Note: Park Ridge requires an exterior disconnect; see the “Services Guideline” handout.

- The permit for a backup generator does not include a service upgrade. A separate permit is required if the service is to be upgraded.
- All conductors shall be copper and cables shall be color coded for phasing and bonding.
- All equipment shall be bonded and grounded per *NEC* and the manufacture’s requirements.
- A sediment trap and shutoff valve are required at the generator. (*IRC 408 & 409*)
- Gas lines shall be in black rigid metallic gas pipe above ground (*Municipal Code 15-4-4*). Non-metallic pipe may only be installed underground and must have a tracer wire fixed to the pipe.
- Consult NiCor Gas to assure the service and meter will be of adequate size for the demand.
- When there are conflicts in the code, the most restrictive code and/or manufacture’s installation instructions shall be applied.
- Contact the Park Ridge Building Department for a final inspection. It is the responsibility of the applicant to either have the installing electrician or a person trained in operating the system, on site for the final inspection. Access to the service panel is also required.

### **Zoning Location Requirements for Emergency Electrical Generators:**

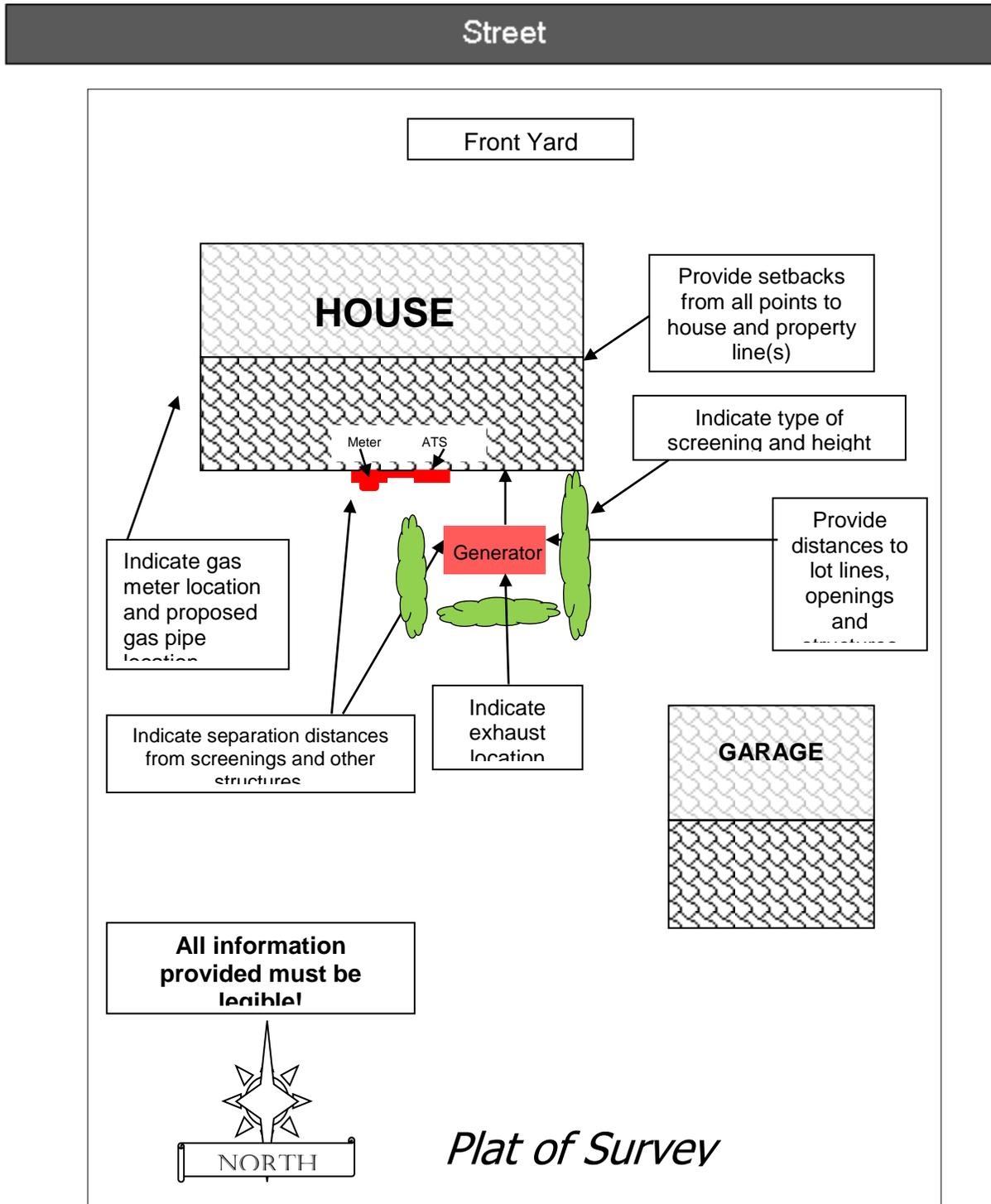
- An emergency electrical generator may be located in the corner side yard, reverse corner side yard, interior side yard or rear yard, except as set forth elsewhere in the City of Park Ridge zoning code.
- An emergency electrical generator may not be located within the required yard setback, except for the rear yard where it is required to be a minimum of five (5) feet from any point along any lot line.
- All approved ground-based emergency electrical generators shall be fully screened at time of installation and year round. Screening materials may be masonry, wood, landscaped hedges or other opaque material, and shall screen the generators so no portion is visible from a street, sidewalk or the ground level of an adjoining lot. Color and texture of a masonry screen wall shall be compatible with the color and texture of the principal building on the site
- Testing of emergency electrical generators may only be done between the hours of 7:00 a.m. and 7:00 p.m., Monday through Friday; and Saturday, from 8:00 a.m. to 5:00 p.m.

**FOR INSPECTIONS CALL: 847-318-5291**

**Approved construction documents shall be available at all times at the site  
Any alterations to the approved plans must be submitted in triplicate for review and approval**

This handout is for general information purposes only, and is not a substitute for the full code text. If discrepancies arise, the code shall govern.

Sample of recommended site plan submittal for a generator application.  
(Details down below required on three (3) plat of survey copies)



**Required submittal information:**

This sheet must be completed and included with the permit application. Information required on this page may be obtained from the manufactures installation guide or installing contractor; zoning information is available on Park Ridge website

Project site address \_\_\_\_\_

**Electrical Information**

Generator kilowatt (KW) size	Amp rating of generator main	Feeder conductor size	Equipment grounding conductor size	House main disconnect rating (Amps)	Transfer switch location
					<input type="checkbox"/> Interior <input type="checkbox"/> Exterior

**Gas Piping Information**

Total gas pipe distance from meter supply to generator	Gas pipe size (diameter in inches)	NiCor Gas consulted for gas supply and meter capacity
		<input type="checkbox"/> Yes, service/equipment approved by NiCor <input type="checkbox"/> Yes, NiCor will upgrade service/equipment <input type="checkbox"/> No, NiCor was not contacted

**Cabinet Size**

Width	Depth	Height

**Other Information**

Distance to nearest window	Distance to electrical meter	Type of screening proposed

**Zoning information, for office use only**

Zoning District i.e. R-1, C-2, etc.	Front yard setback	Right side yard setback	Left yard set back	Rear yard set back