

Requirements for Generator Permits and Inspections

Scope and Purpose:

This guide is intended to provide general information for the placement of whole house generators on residential property and to provide consistency in the enforcement of the City of Troy regulations.

Permits Required:

Building Permit To complete a zoning review to verify placement meets zoning requirements for accessory structures.

Electrical Permit To complete a review

Mechanical Permit To complete a review

Required Submittals:

Building. A sketch of the Plot Plan with the generator and house with dimensions of location is required to verify required setbacks. The generator is allowed to be placed in the side or rear yards, with a minimum of 6' from the property line.

Electrical. Manufacturers' specifications for generator, manufacturers' specifications for transfer switch (for both manual & automatic), one line diagram for wiring installation with conduit size, and load calculations for whole house generators with automatic transfer switches.

Mechanical. Size, type and distance of gas line.

Additional Requirements and Information:

Generator installation must comply with the 2015 Michigan Residential Code, 2014 National Electric Code, 2012 International Fuel Gas Code.

Generators must be installed no closer than five (5) feet from building openings (windows & doors).

Generators must be installed according to manufacturer's recommended requirements.

Electrical service meter/main disconnect must be labeled to indicate that "an alternate power source is connected to the electrical system".

City Zoning Ordinance states that a maximum decibel level of 65 is allowed when measured at the property line.

Inspections Required:

Building Final, after trades have been finalized

Electrical Rough and Final

Mechanical Pressure Test and Final Connection