



## **ON-DEMAND GENERATOR PERMITTING** **REQUIREMENTS AND PROCEDURES**

The following is a list of required documents and procedures for submittal of a permit application for an on-demand generator. \* Two sets of each document required must be submitted for review.

1. Site plan(s) must indicate:
  - a. Location of existing building footprint.
  - b. Location of on-demand generator(s) – including the set back distances from all property lines (please refer to Land Development Regulations CH 29, Article 4 for setback requirements for your zoning district).
  - c. Fuel tank location, including the set back distances from all property lines; fuel tank capacity.
  - d. Proposed screening or landscaping surrounding generator (please refer to Land Development Regulations CH 29, Article 4 for requirements).
  - e. Location of electrical panel.
  - f. Location of meter can and disconnect switch.
2. Electrical information required:
  - a. Complete load calculations, riser diagram – including conduit and wire sizes.
  - b. Value of over current devices.
  - c. Location and rating of transfer switch – transfer switch automatic or manual?
  - d. Transfer switch shall be the same size of the service capacity.
  - e. If applicable, listing for transfer switches as “suitable for service equipment”.
  - f. Connection and wire size between generator frame and ground rod.
  - g. Gas pipe bonding as per NEC 250.104(B)
  - h. Identification of system as either “separately derived” or “not separately derived”.
3. Mechanical and Plumbing requirements:
  - a. Indicate type of fuel to be used for generator on plans.
  - b. Distances from ignition sources as per NEPA 58.
  - c. Indicate distances to air intake appliances, crawl space, eave openings, and adjacent windows and doors.
  - d. Location of engine exhaust.
  - e. Gas line isometric (including pipe size, distance and regulator application), if applicable.
  - f. Indicate pipe and gas line specifications.
  - g. Indicate clearance for service.
  - h. Indicate sound level of generator when on.
4. General information required:
  - a. Slab and/or structure details, cross section and anchoring system for placement and anchoring of on-demand generator on slab or structure.
  - b. Generator manufacturer’s specifications.
  - c. Flood Requirement – **VERY IMPORTANT – Equipment shall be placed at Base Flood Elevation or higher.**
  - d. Elevation Certificate must be provided and attached to plans. Base flood elevation shall be noted on plans and crown of the road elevation shall also be noted.
5. Final Requirements for submission of a Building Permit Application and plans for an on-demand generator:
  - a. Completed, signed and notarized Building Permit Application.
  - b. Completed, signed and notarized Electrical Permit Application and Fee Sheet.
  - c. Completed, signed and notarized Plumbing/Mechanical Permit Application and Fee Sheet.
  - d. Current property survey.