



CENTRE REGION CODE ADMINISTRATION

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Commercial Generator Submittal Guide

Note: This check list is being provided as a starting point for submission and may not include all the information that is required for complete building permit submission. The Building Code Official reserves the right to request any, and all information needed to determine compliance with the requirements of the Uniform Construction Code of Pennsylvania (UCC)

Note: NFPA 70, IBC, and IFC are the editions currently adopted per the Uniform Construction Code of Pennsylvania (UCC)

Building permit application

- DPRC form
- Zoning approval
- Design documents sealed by a PA registered design professional
- Building construction type _____
- Building Use group, primary _____, secondary _____

Declaration of generator system type per NFPA 70 (NEC) as follows (pick one):

- Emergency System as defined by NEC 700.2
- Legally Required Standby System as defined by NEC 701.2
- Optional Standby Systems as defined by NEC 702.2

At a minimum the design documents shall include the following where/when applicable:

- Site plans to show all property lines and required setbacks
- Building plans
 - Any Structural alterations to the building or property
 - Equipment foundation / concrete pad and rebar details
 - Fuel source and fuel tank/piping
 - Combustion air requirements
 - Ventilation/exhaust requirements
 - Building openings
 - Details to comply with IBC 2702 as applicable
 - Details to comply with IFC 1203 as applicable

- Electrical Plans
 - One-line Diagram(s)
 - New or Existing electrical service (circle one)
 - Generator with voltage _____ and KW rating _____
 - Wiring methods used
 - Wire types & sizes
 - Overcurrent protection location and size _____
 - Disconnects and shut down of prime mover [NEC 445.18]
 - Control wiring & branch circuit wiring
 - Grounding diagram
 - Junction boxes, pull boxes, wire ways with sizes [NEC 314.28]

- Electrical power plan
 - Service equipment location
 - Generator location
 - Branch circuit equipment location
 - Underground wiring methods
 - Required lighting and receptacles
 - Protection of equipment from physical damage
 - Disconnecting means and shut down of prime mover [NEC 445.18]

- Details
 - Panel schedules
 - Signage [NEC 700.7, 701.7, 702.7]
 - Identification of wiring methods [NEC 700.10]
 - Protection of wiring methods [NEC 700.10(C)(D)]
 - Required transfer time during a power failure:
 - 10 seconds [NEC 700.12]
 - 60 seconds [NEC 701.12]
 - Minimum AIC ratings for equipment. Available Fault Current documentation for equipment [NEC 700.5(E), 701.5(D) 702.5]
 - Protection for equipment from physical damage [NEC 300.4, 110.26(E)(2), 110.27(B)]
 - Markings [NEC 445.11]

- Equipment submittals
 - Generator
 - Transfer switch
 - Surge protection [NEC 700.8]
 - Ground fault protection of equipment