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|  | <b>BUILDING DEVELOPMENT<br/>POLICIES AND PROCEDURES<br/>ADMINISTRATIVE/GENERAL</b> | <b>Effective Date:</b><br>November 14, 2019   |
|   |  | <b>Supersedes Policy Dated:</b><br>April 28, 2017   |
|   | <b>1.6.4 Electrical Generators<br/>Permits and Inspections</b>                     | <b>Issued by:</b><br>Eric M. Mays, P.E. <br><b>Building Official</b> |

This establishes the requirements for permits and inspections for new and replacement Electrical Generators.

### **Exterior Installations**

An Electrical Generator with a fuel tank that is integral to the equipment (e.g., a belly tank) requires an Electrical (ELE) Permit\* and Electrical Inspections. The Electrical Inspector is responsible for verifying that Electrical Generator and its exhaust are the proper distance from the adjacent buildings/structures and any mechanical air intakes or openings into the building.

\*Note: In accordance with the Virginia Uniform Statewide Building Code, Section 108.2(1.), electrical wiring and equipment that operates at less than 50 volts does not require an Electrical Permit. Therefore, 48-volt direct current nominal generators, typically associated with telecommunication sites, do not require an Electrical Permit.

If the Electrical Generator is on a concrete pad or footing/foundation, a Building Permit is required with the following exceptions:

1. One and Two Family Dwellings when a generator is installed in accordance with the manufacturer's installation instructions.
2. The Electrical Generator has a listed factory enclosure.

Electrical Generators that are connected to natural gas or propane require a Gas (GAS) Permit in addition to the Electrical Permit. If an underground or aboveground storage tank is being installed, a Storage Tank (UGS) Permit is required. If a GAS Permit or UGS Permit are issued for Electrical Generator installation, the Mechanical Inspector is responsible for verifying that Electrical Generator and its exhaust are the proper distance from the adjacent buildings/structures and any mechanical air intakes or openings into the building.

### **Interior Installations**

An Electrical Generator installed in a new or existing building requires a Mechanical Permit and an Electrical Permit. Based on the installation, a Gas (GAS) Permit and a Storage Tank (UGS) Permit may be required.

A Building Permit is required if structural alterations to the existing building/structure occurs or if a field constructed/fabricated enclosure is built for or around the generator.