

<b>CITY &amp; COUNTY OF DENVER COMMUNITY PLANNING &amp; DEVELOPMENT BUILDING PERMIT POLICY</b>		
<b>Subject: TEMPORARY POWER (GENERATION)</b>		
<b>Approved: Keith Peetz, P.E., Interim Building Official</b>		
<b>Number: NEC 590</b>	<b>Issued Date: July 29, 2014</b>	<b>Page: 1 of 5</b>

**Reference:** DBCA Section 103.8, NEC 590, and NEC 525

**Scope:** This policy establishes the electrical permitting process for temporary power for both special events and other commercial buildings or structures requiring temporary power, where temporary power will not be used for more than 120 days without approval by the Building Official. This policy excludes all temporary generators rated below 5kW.

**Definitions:** Unless otherwise expressly stated, the following words and terms shall, for the purposes of this policy, have the meanings shown in this section.

**Power, Temporary.** *Temporary power* includes the installation of premises wiring to utilization equipment as well as the installation of a temporary portable generator or other source of separately derived power.

For the purpose of this policy, *temporary power* does not include any new temporary or permanent public utility services for temporary installations or the installation of cord-and-plug-connected utilization equipment to permanently installed receptacles. The permanently installed receptacles may be either part of the existing premises wiring system or be part of the portable generator assembly or vehicle-mounted generator assembly.

The cord-and-plug-connected utilization equipment connected to a *temporary power* source, to include all cords, connections, and caps, shall be either listed and labeled by an OSHA-approved nationally recognized testing lab and identified as suitable for cord and plug installation per NEC 110.3(B) or meets the prescribed 3<sup>rd</sup> party examination method described in NEC 110.3(A). The use of cam-lock type single conductor cables to supply equipment will not be considered as cord-and-plug-connected utilization equipment.

**Policy:** This policy describes the permitting process for installation of *temporary power*.

**Required Permits:** An electrical permit shall be required for all *temporary power*. Additional permits may be required depending on the specific installation and should be verified with the appropriate groups listed below.

1. A #3 electrical permit shall be required for *temporary power* to the following installations:
  - a. Special events (including but not limited to temporary carnivals, concessions, civic events, community and cultural events, temporary event parking, and promotional events for commercial retail businesses),
  - b. Other installations utilizing *temporary power* not described above but included in NEC 590 and as required by the Building Official.

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NOTE: Electrical inspections are required before utilization of *temporary power* and after the #3 electrical permit has been issued. Contact the automated inspections request system at 720-865-2501 to schedule the electrical inspection.

2. A #4 plumbing permit may be required for natural gas fueled generators, where the generator gas piping connects to a building's existing gas piping. Contact the Mechanical/Plumbing group at 720-865-2720 to determine whether a plumbing permit is required.
3. A #11 mechanical permit may be required where temporary generators are installed in an existing building. This includes installations within an open parking garage. Contact the Mechanical/Plumbing group at 720-865-2720 to determine whether a mechanical permit is required.
4. A zoning permit may be required. For more information concerning the zoning permit requirements, contact the Zoning group at 720-865-2982.
5. A special events permit, issued by the Denver Fire Department for temporary generators used specifically for a special event. Contact the Denver Fire Department, Special Detail/Public Assembly Permits group at 720-913-3448 for more information concerning the special events permitting requirements.
6. An operational permit, issued by the Denver Fire Department for temporary generators that are not specifically utilized for a special event, such as *temporary power* for a construction trailer. Contact the Denver Fire Department, Flammables group at 720-913-3518 for more information concerning the operational permit requirements.

**Procedures for Issuing the #3 Electrical Permit:** The #3 electrical permit for *temporary power* may be issued at the commercial same day review counter when all of the following information is provided (also see attached checklist/application form).

1. Address, starting date, and duration of the event or temporary installation,
2. Total number of generators, if applicable, to include any back-up generators on site,
3. The overcurrent device (breakers or fuses) ratings for all temporary equipment where connected to the premises wiring,
4. Generator voltage, kW ratings and fuel type,
5. List of all equipment to be connected to each generator, along with the total added equipment kW rating for each generator,
6. Site plan showing location(s) of generator(s) or premises wiring connections. The site plan may be a hand sketch as long as it clearly

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identifies the locations of all generators and/or connections to premises wiring.

Allow sufficient time before the event to prepare all of the information above for review. No electrical permit shall be issued if the above minimum information is not provided at the time of the electrical review.

**END OF DOCUMENT**

# Temporary and Special Events Power Installations Checklist and Application

Project Event: \_\_\_\_\_

Project \_\_\_\_\_ Address: \_\_\_\_\_

Duration of Event: \_\_\_\_\_

Type of Temporary Power Source

- D Generator(s)
- D Premises building wiring
- D Other source of temporary power (please list source): \_\_\_\_\_

## Generators:

Where generators will be used as the *temporary power* source, the following information is required to obtain the electrical permit (use additional pages if required):

- D Site plan indicating the locations of all generators, to include those used only as backup generators,
- D Quantity and kW minimum ratings of all generators, to include backup generators,

\_\_\_\_\_  
\_\_\_\_\_

- D The overcurrent devices ratings (breakers or fuses) at the generators that will be used to feed equipment, as well as a list of all distribution panels to be installed and how they are connected to the generator,

\_\_\_\_\_  
\_\_\_\_\_

- D A list of all equipment to be connected to each generator,

\_\_\_\_\_  
\_\_\_\_\_

- D Total of all equipment load kW ratings for each generator.

\_\_\_\_\_  
\_\_\_\_\_

- D Additional plumbing and mechanical permits. Contact the Mechanical/Plumbing group at 720-865-2720 if:

1. The generator(s) or other source of *temporary power* is to be installed indoors, or
2. The generator(s) is to be connected to a building's installed gas connection.

Note: A Fire Department permit will be required for the generators. For special events, contact the Denver Fire Department Special Detail/Public Assembly Permits group at 720-913-3448. For generators not used specifically for a special event, contact the Denver Fire Department, Flammables group at 720-913-3518.

## Premises Wiring:

If premises wiring is to be used to provide *temporary power*, the following is required to obtain the electrical permit (use additional pages if necessary):

- D List any existing panel(s) and associated breaker or fuse ratings for all temporary equipment,

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- D Locations of existing panels within the building,

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- D Provide the kW, voltage, and AIC ratings for new temporary panels or equipment containing breakers or fuses that will be used to connect temporary equipment,

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- D Provide the total kW load that will be connected to each new temporary panel, and the calculated short circuit rating at each new panel.

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- D Demonstrate that each panel will not be overloaded by the addition of the newly installed temporary loads.

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