



# Riverside County Fire Department

## Office of the Fire Marshal

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## Technical Policy

<b>Title:</b> Fire Pumps – Alternate Source of Power		
<b>Technical Policy:</b> # TP 15-003	<b>Effective Date:</b> 10/08/2015	<b>Revised Date:</b> 01/07/2020
<b>Code References:</b> 2016 Edition of NFPA 20, Sec. 9.3.4		

The Riverside County Fire Department, (RCFD) will apply the following requirements to the installation of fire pumps and the potential need for a secondary source of power where the primary source of power is deemed unreliable.

When an electric drive fire pump is selected for installation, the Riverside County Fire Department requires the installation of an alternate source of power in accordance with NFPA 20, Section 9.3.4. The Riverside County Fire Department does not determine whether the electric utility companies serving a given region is a reliable source of power for emergency situations.

In the event that a developer or fire protection contractor would like to pursue the elimination of an alternate source of power, a form will be provided to the contractor which must be submitted to the electric utility company serving the project. The form must be signed by the utility provider declaring the utility a reliable source of emergency power in accordance with the provisions found on the utility provider form and outlined in NFPA 20, A.9.3.2. In the event that the utility provider declares the power source as being reliable in accordance with NFPA 20, A.9.3.2 and has signed the form attesting to such, Riverside County Fire Department will allow the installation of an electric drive fire pump without an alternate source of power.

The electric utility provider shall complete Form TP15-003 to verify if their services can be deemed as a reliable source of emergency back-up power in accordance with the following criteria:

1. The source power plant has not experienced any shutdowns longer than 4 continuous hours in the year prior to plan submittal.
2. Power outages have not routinely been experienced in the area of the proposed facility caused by failures in generation or transmission.
3. The normal source of power is not supplied by overhead conductors outside the proposed facility.

Questions regarding specific applications should be directed to RCFD Office of the Fire Marshal staff.