



Revised: March 2017
Valid: September 2019
Authorised: Manager Built Environment Branch

GL-01: INDEPENDENT POWER SOURCES TO PUMP-SETS FOR FIRE HYDRANT SYSTEMS

PURPOSE:

To clarify the intent of the requirement for "Independent Power Sources", as referred to in the Australian Standards 2419.1 – 2005.

COMMENT:

DFES confirms that the intent of this requirement is that power to the electrical grid serving the allotment should be supplied from at least two different sub-stations. The rationale being that such an arrangement provides a comparable level of reliability as other acceptable options outlined in AS 2419.1-2005 6.2 i.e. a compression ignition engine or electrical motor supplied from an emergency power generator.

AS 2419.1-2005 A(iii) & D(ii) *Subject to the approval of the Regulatory Authority, a single pump-set or other power source including independent electric power sources, may be considered acceptable on the basis of full details being submitted.* It is therefore possible for a Local Government building surveyor to exercise discretion, in the appropriate circumstances.

REFERENCES:

Australian Standard 2419.1 -2005 - Fire Hydrant Installations. Part 1: System design, installation and commissioning.

Building Code of Australia, ACT, Australia. ABCB
International Fire Engineering Guidelines, (2005 Edition), ABCB.

LEGISLATION:

Building Act 2011.
Building Regulations 2012 (as amended).

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