

FILE NO. 2-413A.1

DATE: March 20, 2001

**CODE APPLICATION NOTICE**

**CODE SECTION:** Sections 413A.1 and 101.7, ~~1998~~ 2001 California Building Code  
Section ~~1-2.2~~ 1-3, NFPA-37, ~~1994~~ 1998 Edition

***1998 2001 California Building Code***

**413A.1 General.** *The installation of combustion engines and gas turbines shall be in accordance with NFPA-37, Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines, 1994 Edition and this chapter.*

**NFPA 37, ~~1994~~ 1998 Edition**

~~1-2.2~~ 1-3 Engines used in essential electrical systems in health care facilities shall comply with this standard and any special provisions contained in NFPA-99, Standard for Health Care Facilities.

***1998 2001 California Building Code***

**101.7 Standard Reference Documents.** *The codes, standards, and publications adopted and set forth in this code, including other codes, standards and publications referred to therein are, by title and date of publication, hereby adopted as standard reference documents of this code.*

*When this code does not specifically cover any subject relating to building design and construction, recognized fire-prevention engineering practices shall be employed. The National Fire Codes and the Fire Protection Handbook of the National Fire Protection Association may be used as authoritative guides in determining recognized fire-prevention practices.*

**INTERPRETATION:**

For engines used in essential electrical systems in health care facilities, the following special provisions of NFPA 99, ~~1996~~ 1999 Edition shall be enforced by the Office:

- (a) Section 3-4.1.1.8 Load Pickup
- (b) Section 3-4.1.1.9 Maintenance of Temperature
- (c) Section 3-4.1.1.10 Ventilating Air
- (d) Section 3-4.1.1.11 Cranking Batteries
- (e) Section 3-4.1.1.14 Requirements for Safety Devices
- (f) Section 3-4.1.1.15 Alarm Annunciator

In addition, the following requirements of the ~~1996~~ 1999 NFPA 110 Standard for Emergency and Standby Power Systems will be applied.

- (a) Section 3-3.1 Heated enclosure or battery heater for outside locations.
- (b) Section 3-4.2.1 Fuel supply
- (c) Section 3-5 Rotating equipment (Option: Safety devices may comply with either ~~1996~~ 1999 NFPA-99 Section 3-4.1.1.14 or Sections 3-5.5 and 3-5.6)
- (d) Section 5-2.4 Location, clearances
- (e) Section 5-8 EPS cooling system
- (f) Sections 5-9.2, 5-9.3 and 5-9.4 Fuel system (see Note below)
- (g) Section 5-10.4 Exhaust system backpressure
- (h) Section 5-12 Distribution (excluding 5-12.4(a))

Note: The minimum required fuel supply for generator sets shall comply with CEC 700-12(b)(2) Exceptions 1-3.

For additional requirements related to combustion engines and gas turbines, refer to CANs 2-413A.2.3 and 3-700-4(a).

**REASON:**

The code does not specifically state which special provisions of NFPA 99 shall be enforced for essential electrical systems. In addition, appropriate sections from NFPA 110, ~~1996~~ 1999 edition, are enforced when current code or NFPA 99 does not specifically cover a subject relating to on-site generator sets.

<u>ORIGINAL SIGNED</u>	<u>9/21/04</u>
Kurt A. Schaefer	Date