

**CODE APPLICATION NOTICE****Subject:** Installation of Combustion Engines  
and Gas Turbines**FILE NO.:** 2-432.1  
(Previously 2-413A.1)  
**EFFECTIVE:** 06/19/08**CODE SECTIONS:** Sections 432.1, 2702.1, 2007 California Building Code  
Section A.1.3.1 of Annex A, NFPA-37, 2002 Edition***2007 California Building Code*****SECTION 432 COMBUSTION ENGINES AND GAS TURBINES****432.1 General.** *The installation of combustion engines and gas turbines shall be in accordance with NFPA-37 and this chapter.***SECTION 2702 EMERGENCY AND STANBY POWER SYSTEMS****2702.1 Installation.** Emergency and standby power systems required by this code or the *California Fire Code* shall be installed in accordance with this code, NFPA 110 and 111.**NFPA 37, 2002 Edition****Annex A Explanatory Material****A.1.3.1** ...For engines used in essential electrical systems in health care facilities, also see NFPA-99, *Standard for Health Care Facilities*. For engines used in emergency power supplies, also see NFPA 110, *Standard for Emergency Standby Power Systems*.**PURPOSE:**

The code does not specifically state which special provisions of NFPA 99, 2005 shall be enforced for essential electrical systems. In addition, appropriate sections from NFPA 110, 2005 edition, are enforced when current code or NFPA 99 does not specifically cover a subject relating to on-site generator sets.

**INTERPRETATION:**

For engines used in essential electrical systems in health care facilities, the following special provisions of NFPA 99, 2005 edition shall be enforced by the Office:

- (a) Section 4.4.1.1.10 Load Pickup
- (b) Section 4.4.1.1.11 Maintenance of Temperature
- (c) Section 4.4.1.1.12 Heating, Cooling, and Ventilating
- (d) Section 4.4.1.1.13 Cranking Batteries
- (e) Section 4.4.1.1.16 Requirements for Safety Devices
- (f) Section 4.4.1.1.17 Alarm Annunciator

In addition, the following requirements of the 2005 NFPA 110 Standard for Emergency and Standby Power Systems will be applied.

- (a) Section 5.3 Energy Converters - Temperature.
- (b) Section 5.5 Energy Converters - Fuel Supply
- (c) Section 5.6 Rotating equipment (Option: Safety devices may comply with either 2005 NFPA-99 Section 4.4.1.1.16 or 2005 NFPA 110, Sections 5.6.5 and 5.6.6)
- (d) Section 7.2.5 Location, clearances
- (e) Section 7.8 EPS cooling system
- (f) Sections 7.9.2 & 7.9.2.1 and 7.9.4, 7.9.4.1, & 7.9.4.2 Fuel system (see Note below)
- (g) Section 7.10.4 Exhaust system backpressure
- (h) Section 7.12 Distribution

Note: The minimum required fuel supply for generator sets shall comply with Article 700.12(B)(2) of the 2007 CEC, Exceptions 1-3.

For additional requirements related to combustion engines and gas turbines, refer to CAN 3-700.4(A).

<u>Original Signed</u>	<u>06/19/08</u>
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