17.6 Internal Combustion Engine Power Sources.

**17.6.1**

An internal combustion engine shall be permitted to be used to operate an electric power generator.

**17.6.2**

Generator units that are not vehicle-mounted while in use shall meet the requirement of [**17.6.2.1**](https://link.nfpa.org/publications/96/2024/chapters/17#ID000960001439) through [**17.6.2.3**](https://link.nfpa.org/publications/96/2024/chapters/17#ID000960001441).

**17.6.2.1**

Internal combustion engine power sources shall be located at least 12 ft (4 m) from mobile or temporary cooking operations.

**17.6.2.2**

Internal combustion engine power sources shall be isolated from physical contact by the installation of physical guards, fencing, or an enclosure.

**17.6.2.3**

Internal combustion engine power sources shall be positioned so that the exhaust complies with the following:

* (1)

Located at least 12 ft (4 m) from openings, air intakes, and means of egress

* (2)

In a position pointed away from any building

* (3)

In a position pointed away from any mobile or temporary cooking operations

17.2 Location of Mobile and Temporary Cooking Operations.

[**17.2.1\***](https://link.nfpa.org/publications/96/2024/annexes/A/groups/17#ID000960001706)**Relative to Buildings.**

Mobile or temporary cooking operations shall be separated from the entrances and other exits of buildings or structures, combustible materials, vehicles, and other cooking operations by a clear space distance of 10 ft (3 m) or as prescribed by the AHJ.

17.7 Vehicle-Mounted Generators.

**17.7.1**

Vehicle-mounted generators shall meet the requirements of [**17.7.2**](https://link.nfpa.org/publications/96/2024/chapters/17#ID000960001444) through [**17.7.5**](https://link.nfpa.org/publications/96/2024/chapters/17#ID000960001449).

**17.7.2**

Internal combustion engine–driven generator units (subject to the provisions of NFPA 1192) shall be listed and installed in accordance with the manufacturer’s instructions and shall be vapor resistant to the interior of the vehicle. [**1192:**6.4.5.1]

**17.7.3**

Where a generator compartment is used to isolate the installed generator from the vehicle’s interior, or a compartment is provided for the future installation of a generator and is intended to isolate the future generator from the vehicle interior, the generator compartment shall be lined with galvanized steel not less than 26 MSG thick. [**1192:**6.4.5.2]

**17.7.3.1**

Seams and joints shall be lapped, mechanically secured, and made vapor resistant to the interior of the vehicle. [**1192:**6.4.5.2.1]

**17.7.3.2**

Alternative materials and methods of construction shall be permitted in accordance with Section [**1.5**](https://link.nfpa.org/publications/96/2024/chapters/1#ID000960000018). [**1192:**6.4.5.2.2]

**17.7.4**

Liquid fuel lines and exhaust systems shall not penetrate into the area. [**1192:**6.4.5.2.3]

**17.7.5**

Holes into the living area shall be sealed. [**1192:**6.4.5.2.4]