## STATEWIDE CODE INTERPRETATION NO. 08-01



# Carbon Monoxide Alarms/Detectors in Existing Structures

In accordance with OAR 918-008-0110, the information contained in this statewide code interpretation is legally binding on any party involved in activities regulated by applicable Oregon law, applicable Oregon regulations or the state building code. If the information contained in this statewide code interpretation is cited as a basis for a civil infraction, a representative of the jurisdiction must cite the interpretation number found in this document.

**Code reference:** 2023 Oregon Residential Specialty Code (ORSC)—Section R315

**Date:** Issued—Oct. 1, 2017

Last updated—Oct. 1, 2023

**Subject:** Carbon monoxide (CO) alarms/detectors in existing structures

### **Questions/Answers:**

1. When replacing a fuel-fired appliance with another fuel-fired appliance in an existing structure, are CO alarms/detectors required?

No

- 2. When replacing an electric appliance with a fuel-fired appliance, are CO alarms/detectors required? **Yes**
- 3. Who is responsible for installing the CO alarms/detectors?

The permit holder is responsible for ensuring the CO alarms/detectors are installed.

### Analysis:

The replacement of a carbon monoxide source with another carbon monoxide source is not adding a new source; therefore, the installation of CO alarms/detectors would not be required, even though a mechanical permit may be required. A few of the most common examples of a source for source replacement are replacing an oil furnace with a gas furnace, inserting a pellet stove into a solid fuel-burning fireplace, installing a fuel-gas decorative appliance into a solid fuel-burning fireplace, or replacing a 78-percent efficient gas furnace with a current code compliant gas furnace.

Although these examples would require a mechanical permit, they would not mandate the installation of CO alarms/detectors. If the installation is a change from electric to gas, a new source of carbon monoxide would be added that did not previously exist, therefore CO alarms/detectors would be required.

When adding CO alarms/detectors, whether triggered by a structural permit or when a new source is added, the person to whom the permit is issued, is responsible for ensuring that CO alarms/detectors are installed per Section R315. The final approval of the permit would include verification that CO alarms/detectors are installed.

#### Contact:

Visit the division website to contact a building code specialist.