

Residential Wood Stoves, Fireplaces and Space Heaters Information Sheet

More than one-fifth of residential fires start from supplemental room heaters, such as wood- and coal-burning stoves, kerosene heaters, gas space heaters and electrical heaters. Reduce the chances of a home fire by following simple guidelines on the installation and use of these appliances.

Install safely

Improper installation, maintenance or use of the appliances causes most fires from supplemental heating appliances. Every appliance should have a complete set of installation instructions and should be installed according to the manufacturer's instructions.

- Wood stoves should sit on a non-combustible surface or listed floor protector.
- Fireplaces should have non-combustible materials around the opening and hearth.
- Space heaters should be placed on a firm surface out of the way so that they won't be tipped over and spill fuel or have hot surfaces come in contact with combustible flooring. Heaters being tipped over by children or pets cause many fires. Combustibles such as curtains, chairs, firewood and walls should be at least three feet away from the appliance.

Vents and chimneys for heating appliances must be installed with proper clearances to combustible materials. Typically, 18 inches of air space is required between single-wall connector pipes and combustibles and two inches between insulated chimneys and combustibles. A common fire problem is chimney pipes which pass through exterior walls and are too close to combustibles within the wall. Unvented gas-fired space heaters should not be used in small, enclosed areas, especially bedrooms, because of the potential for carbon monoxide poisoning.

Questions?

Contact the Fire Prevention Division
at 952-563-8933
or Fire Marshal Laura McCarthy
at 952-563-8965.

Use safely

Careful operation is crucial to occupant safety.

- Use only fuels appropriate for the appliance.
- Use coal only if specifically approved by the stove manufacturer.
- Gasoline and flammable liquids should never be used to start a wood fire since it might explode or flare.
- Never use gasoline in kerosene heaters. Even small amounts of gasoline mixed with kerosene can increase the risk of fire.
- Artificial logs made from wax and sawdust should be used one at a time in fireplaces and never used in wood stoves. The heat can melt the log, causing it to flare or leak burning liquid from the appliance.
- Pressure-treated wood should not be burned in stoves or fireplaces because it contains toxic chemicals that can make you sick.
- Always use a fireplace screen to keep sparks from igniting materials in the room.
- Keep a window ajar or the door open in a room where an unvented heater is in use.
- Avoid the use of extension cords with electric heaters.
- Never use heaters to dry clothing or other combustibles.
- Do not leave fireplaces or most space heaters unattended.
- Young children should be kept away from any appliance that has hot surfaces that can cause burns.

Maintain carefully

- Chimneys and vents should be inspected and cleaned annually; cleaning by a professional chimney sweep is recommended. Creosote, an unavoidable product of wood-burning stoves and fireplaces, builds up in connectors and chimney flues and can cause a chimney fire.
- Don't burn newspapers or other trash in a fireplace; they burn too hot and can ignite a chimney fire.
- Kerosene heaters should be cleaned and wicks replaced annually.
- Electric heaters with frayed or damaged cords should never be used.