



# EMERALD KEEPERS

EMERALDKEEPERS.ORG

For an Emerald Green, Ocean Blue Coronado

# ADD WARMTH & AMBIENCE WITHOUT THE POLLUTION

**V**alentine's Day conjures up a romantic evening by the fireside. But did you know the smoke and particles from a fireplace can negatively impact your health and the environment? There are more environmentally friendly options to burning wood or even gas that warm the home and add a cozy ambience. Fireplace options include:

## **WOOD BURNING (WORST)**

Burning wood in a traditional fireplace produces particulate pollution and carbon emissions that makes it the most damaging type of fire for people and the planet. Wood-burning fireplaces are also an inefficient heat source. Only 10% of the generated heat goes into the room; most goes up the chimney.

## **GAS (NOT GOOD)**

Many home fireplaces connect to the house gas line, so the flame is

powered by non-renewable natural gas. While a gas fireplace is cleaner and more efficient than wood, the burning of gas releases particulates and methane that contribute to air pollution and climate change. Public health officials recommend limiting exposure to gas-burning appliances, including fireplaces.

## **ELECTRIC (BETTER)**

An electric fireplace requires no fuel, produces no emissions, and can be easily installed in any room without the need for a vent or chimney. The flame of an electric fireplace looks realistic and is created by reflecting LED lights off a spinning light refractor with 3D patterns. Heat is generated by a heating coil. Many electric fireplaces have an option to turn the heat on or off, independent of the flames.

## **ETHANOL (MIXED)**

Ethanol is a bio-alcohol that burns

to create a real flame without smoke or smell. Potential micropollutants and air quality issues raise safety concerns about ethanol fireplaces.

## **WATER VAPOR (BEST)**

Water-vapor fireplaces create 3D, realistic flames that are cool to the touch. The flame illusion is created with the help of fine water mist and reflecting LED lights. While water-vapor fireplaces do not inherently produce heat, a heating function can be included as an optional feature. They are also safer, relying on efficient LED lights and tap water.

## **MAKE THE CHANGE**

Existing wood or gas fireplaces can be easily converted to electric ones. Consider switching to an electric or water-vapor fireplace to warm up your winter nights and keep Coronado Emerald Green, Ocean Blue.



*The center of an electric fireplace.*

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