

Are you burning your woodstove efficiently?

Please check your chimney for Excessive smoke.

Your Neighbours Will Thank You!

Too Much Smoke?

A smoky chimney is not what you should expect. When properly dried wood is burned at a high temperature with enough air for complete combustion, far fewer particulates and other polluting emissions are produced.

When you have a fire burning in your woodstove, regularly check to see whether there is smoke coming from the chimney. There should be little or no visible smoke about 15 minutes after you start a new fire. If there is constant smoke, the stove is not working properly.

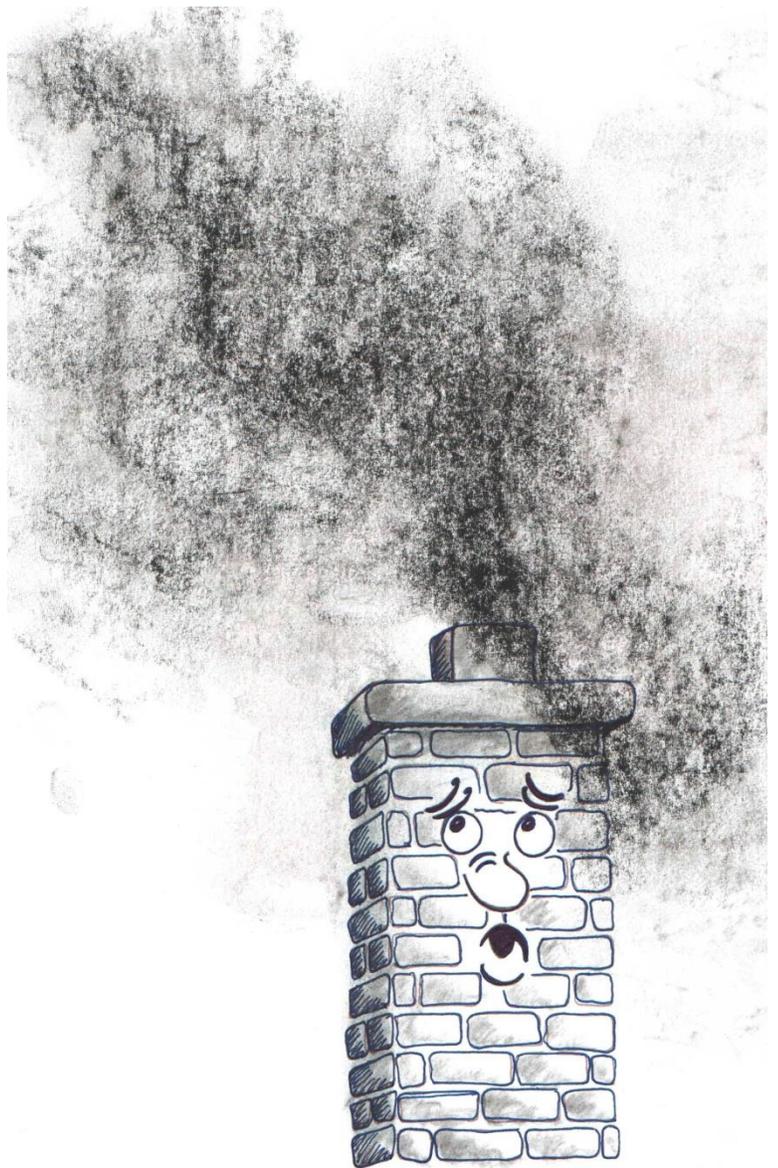
Incomplete burning can be caused by:

- 👉 Firewood that is not well seasoned
- 👉 Not enough air in the firebox usually from damping down too much
- 👉 An older inefficient stove
- 👉 A chimney that provides inadequate draw

Unseasoned or Wet Firewood?

Make sure you get your firewood in and split early, preferably in spring. Store it sheltered, up off the ground, and with plenty of air circulation all around. Do not cover it all over with tarps or plastic. This will trap condensation and make your wood wetter.

Remember that even dead, standing trees can still be green in the bottom few feet. Firewood must have less than 20% moisture content to burn well.



Burn only untreated wood

Never burn garbage in a wood stove.

Some types of wood (properly cured) provide more heat than others. Hardwoods are denser than softwoods and contain more fuel. Below is the average heat energy for select species:

	(Million Btu's per full cord)
White Birch:	27.5
Douglas Fir:	26.5
Lodge pole Pine:	22.3

Keep your chimney clean!

A clean chimney draws better and helps your stove to operate more efficiently. If you need help call a local chimney sweep in Golden.

Wood Size for Burning

Cut your fire wood an appropriate size for your stove. If pieces are too large they will smoulder, and will not create a hot fire and coals.

Best to start with small kindling, followed by medium sized pieces. Smaller pieces burn easier, create airflow, and thus a hotter, more consistent, and less smoky fire.

Replace Your Old Wood Stove

If you have an existing stove that is more than 20 years old, or in poor condition, it is time to replace it with a new one meeting EPA/CSA standards. All new solid fuel appliances installed in BC must meet these standards. Older stoves cannot be reused. They must be destroyed.

Rebates are available to help replace smokey old stoves!

The Golden and District Air Quality Committee can provide you with information on cash rebate programs currently available in Golden and CSRD Area A, when you replace an old, inefficient wood stove with a new, cleaner burning home heating appliance.

info@goldenairquality.ca
www.goldenairquality.ca
or call 250-344-8473

The stove must match your heating needs. A stove that is too large can overheat your house requiring it to be dampened down too much. It will burn less efficiently and cause unnecessary polluting smoke.

1. Advanced combustion stoves use carefully designed fireboxes with baffles, preheated air supply and firebox insulation.
2. Catalytic stoves route exhaust gases through a honeycombed catalytic combustor. They can burn cleaner, but require more maintenance.
3. Wood pellet stoves use a manufactured fuel that is dry and easy to handle. The fuel/air mix can be carefully controlled over a wide range of heat outputs.

Electric or propane furnaces produce less local air pollution.

Have your new stove installed safely

Wood burning stoves must be properly installed to be safe and efficient. In Golden, choose an installer who has training with Wood Energy Technology Transfer (WETT). They will ensure the installation is to specification and will satisfy your insurance company.

In the Town of Golden you must have a building permit to install a new stove. This includes an inspection to ensure that BC building codes designed to ensure safety are met

You can borrow a moisture meter to test your firewood. Contact the Golden and District Air Quality Committee.

Improving the burning efficiency of your woodstove will:

- Reduce harmful wood smoke and improve the air quality in your neighbourhood
- Reduce the quantity of wood you burn to produce the same amount of heat
- Prevent the build-up of creosote that can lead to a dangerous chimney fire



***When you heat
efficiently with wood
and produce less smoke,
it will improve the
quality of life
for our whole
community!***