

Real facts about  
**ANTHRACITE COAL**

Brought to you by Hitzer

**Safe to use  
Economical  
and Clean  
Burning**



**Facts about Coal  
as an Alternative  
Fuel Resource**

**Hitzer has been a leading manufacturer in  
alternative heating appliances since 1975**

# The Real Facts About Coal

---

In years past, deep mining was a very dangerous process used to extract coal from the earth to heat our homes and businesses. The US economy used it for over 180 years and it helped catapult our nation to the success it is today. Coal drove the industrial revolution by providing the power needed for our manufacturing & steel companies that made the materials needed for World Wars I & II. It was cheap to extract at that point of our history and our nation had a lot of it available. It did earn a bad reputation of being dirty and not environmentally friendly over the years, scarring 1,000's of acres of land that is still evident today. More recently, in the past 50 years the coal mining industry has come under an extreme amount of federal regulations in labor laws and environmental protections. Today, every ton of coal has a tax assessment attached to it to pay for the past years of neglect to our environment.

## Bituminous Coal Versus Anthracite Coal

---



**Bituminous Coal**, also referred to as “soft coal”- Over the last century, this was the chosen fossil fuel for burning due to its lower cost and it was more readily available. Not as clean burning, it allows more contaminants in the air and is not as environmentally friendly as Anthracite coal. Now, the burning of Bituminous coal, including filtering the air and any residue emitted, have made it more costly for industry such as electric plants to continue this process, prompting a switch to alternative fuels. It is the price we have to pay for creating and maintaining a cleaner environment.



**Anthracite Coal**, is more normally known as “hard coal.” Anthracite coal is a highly-carbonated fossil fuel that will generate the highest heat of all the fossil fuels available and the low sulfur content in Anthracite makes it an extremely clean-burning fuel. New technology and engineering design changes to burners have made it even easier to use. Anthracite coal produces virtually no smoke or particulate emissions which is a major problem with cord wood and pellet burning stoves. In addition, it leaves no residual creosote build-up in your chimney, a potential fire hazard common in cord wood & pellet burning stoves.

## Key attributes of using Anthracite Coal:

---

1. Anthracite Coal is produced in the Northeast
2. It's currently the most abundant & economical fossil fuel available on the earth.
3. It burns at the highest level of BTUs of all the fossil fuels, 25mill BTUs of heat per ton.
4. Environmentally Sound, Anthracite coal is a full-cycle resource. Burn it for heat, use the ashes for acetic landfill and crop fertilizers.
5. All Strip Mining Land is reclaimed, filled & regulated by the government.
6. It's primarily mined on the surface, retrieving coal that was abandoned from deep mines underground by drag-line shovels, better known as strip mining
7. It's very low in sulfur & volatile content compared to other competing fuels.
8. Safety-it is the safest fuel to use, maintain & burn, using low maintenance & self-serviceable burners. There are no concerns of chimney fires, leaking fuels or gases and is safely stored.

# **Anthracite coal is the better choice when considering your next heating or supplemental heating resource.**

---

## **Anthracite Coal burns HOTTER than other fossil fuels.**

All resources that are burned as fuels or used to generate heat are measured by British Thermal Unit, also known as BTUs. They are compared to each other by the amount of energy required to generate 1,000,000 units/heat. Anthracite coal is the hottest burning fuel in comparison to the most common ones in use.

Example - It takes one ton of Anthracite Coal to produce 25,000,000 BTUs of heat  
Anthracite Coal / One long ton 2,200lbs = 25,000,000 of BTUs of heat  
Natural Gas produces 1,021,000 BTUs / Per 1000 Cubic Feet  
Petroleum Fuel oil produces 5,871,390 BTUs per barrel / 42 gallons

## **Environmentally cleaner than other fossil fuels.**

Due to its low sulfur content, Anthracite coal produces virtually no smoke or particulate emissions. This is a major problem with cord wood and pellet burning stoves. Modern day Anthracite coal burning stoves & furnaces such as those from Hitzler are engineered to burn cleaner & can be used in areas of the country where wood stoves are restricted due to air pollution & forest fire risk from flaming embers from chimneys.

## **New Technologies and Engineering designs has made it easier to use.**

The days of inefficient burning stoves and shoveling coal are part of the past. The newly engineered changed in furnace design, from automatic temperature control & feed systems to ash removal, have eliminated the constant monitoring of your coal heating system. An average stove that has been filled with 35-50lbs of Anthracite coal will heat evenly without tending for 24-32 hours at a low to medium heat setting. Technology from companies like Hitzler has improved simple yet important things such as heating our homes easily and efficiently.

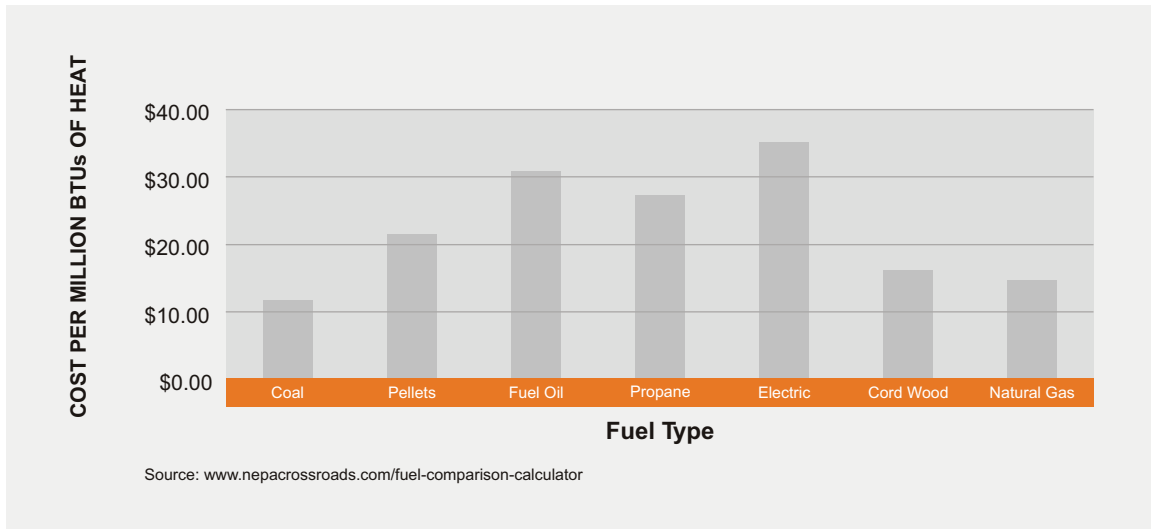
## **It's SAFER than traditional wood & pellet burning stoves, including oil & gas.**

Wood & pellet stoves require constant monitoring, especially if they are used for more than just supplemental heating. The danger of creosote fires only gets worse the longer you neglect to do proper maintenance on your chimney or vent system. Loss of the pilot light & subsequent gas leaks are common & dangerous & oil leakage is hazardous to your home & the environment. Now-compare that to the other form of supplemental heating that is virtually risk free...Anthracite Coal.

## **It's more economical than other alternative fuel sources.**

Whether you're heating your home, business, hospital, fire station or a green house, you will save thousands of dollars per year by choosing Anthracite coal for your next heating investment. It's also less expensive to install & service compared to other forms of heating. An Anthracite coal burning stove or furnace from Hitzler is considerably more cost efficient than Cord Wood, Pellets, Gas, Kerosene and Propane.

# How does Anthracite Coal compare to other fuel costs?



Every day, Anthracite coal is proving to be an economical way to heat your home or business. With its cost-per-BTU being the lowest of the most popular fuels, installing a new or converting to an Anthracite coal fuel source from Hitzer is a smart way to go. Add this to the most positive environmental impact Anthracite mining has on your community & you will find no better way to save money on your heating bills. At the same time, you will know you are helping to conserve other resources that are not as economical to use or in such abundant supply as Anthracite coal.

## Responsible, Affordable Energy



Anthracite coal is environmentally friendly & is mined on land that is completely reclaimed & restored after mining. Forests are replenished & re-establish erosion & sedimentation controls allowing proper & natural rain flow to streams & rivers.

