

Dear Oil Heat Friend,

Since 2010, the U.S. government has mandated that all oil burners switch from using the standard No.2 heating oil (with 2.0-3.0% Sulfur compounds), to the new Ultra-Low Sulfur fuel oil (ULS).

What does that mean for the consumer? First, regardless of your burner system, you are most likely to use more fuel this year as the new fuel has less caloric/BTU/heat output potential value.

Why? The new mandated fuel contains less potential energy because Sulfur and other compounds have been removed, robbing the consumer of the older energy benefits they previously contained.

According to third party testing, traditional oil burners burn about 20% of these compounds. Rather than improve the burner, they have instead removed energy-producing compounds from the oil, thereby forcing consumers to buy 7-10% more oil. This increases tax revenue.

It gets worse! If your supplier's new fuel is blended with 10%-20% Bio-Fuel, the BTU potential drops even more! **Expect to use 10-12% more fuel oil this year! AND produce about 10% more CO2 per day!**

Here is the math to support the findings:

No. 2 heating oil (traditional heating oil) pre-2012 had a BTU content of 138,600 BTU per gallon. Ultra-Low Sulfur heating oil has a BTU content of about 127,000-129,500 BTU per gallon. A blend of ULS and 10% Bio-Fuel has a BTU content of 126,000-128,000 BTU per gallon.

This is how it is shaping up for customers, both residential and commercial:

Your true burn efficiency of 80% of the 128,000 BTU fuel (the output of usable heat) is 102,400 BTU.

Your true burn efficiency of 92% of the 128,000 BTU fuel with Burner Booster™ heat is 117,760.BTU.

This results in savings of over 15% with better burner science.

Before 2013:

Traditional efficiency at 80% you get about 110,650 BTU's – a 9% more efficient burn-output over the new fuel alone. Output of the Burner Booster™ is a solid 127,000 BTU's per gallon.

Efficiency is based on the volume of fuel used, not the stack temperature that the government has been pushing. Stack temperature has nothing to do with fuel rate efficiency. That would be similar to using your body temperature to measure your body weight. It just doesn't work that way.

Without getting too technical, your service provider might think you're more efficient with a cooler stack temperature, because that is what his combustion analyzer is telling him. **Why?** Because the combustion chamber flame is now about 265°F cooler too! The combustion efficiency formula he uses is based 90% on stack temperature, 7% on Carbon Monoxide (CO), and 3% Oxygen (O₂) values.

What can you do about it? Contact Energy Efficiency Solutions/Advanced Burner Solutions and let us tune up your system for maximum performance. Remember, we don't sell fuel, **We Sell Efficiency.** See www.theburnerbooster.com

Your friends at Energy Efficiency Solutions and Advanced Burner Solutions

Your advocate for keeping you informed.

888-337-0337 or 508-400-3289