

# Hoover's Waste Cooking Oil Program

November 17, 2009

# Our Mayor and City Council



“We do not inherit the earth from our ancestors; we borrow it from our children.”

Native American Proverb

# City of Hoover

## Alternative Fuel Program

### Quick Facts

- 196 vehicles use E-85 Fuel (over 10 million miles on E-85)
- 161 vehicles use B-20 Bio-Diesel Fuel
- 40 vehicles use B-100 Bio-Diesel Fuel
- 85% of the fuel used by the City of Hoover is a qualified alternative fuel. This represents more than 1,500,000 gallons in the last 4 years.
- This is fuel made in the United States.
- Our Ethanol is made in Georgia.
- Our B-20 Bio-Diesel is made in Alabama.
- Our B-100 Bio-Diesel is made in Hoover by our City Employees!



We take used cooking oil from local restaurants  
and your home,  
then we process this used oil into fuel that we  
use in our fleet of diesel vehicles and  
equipment!!!

# EPA Opinion

- “The EPA is pleased to see that the City of Hoover has taken the initiative to improve public health and the environment through their successful production and use of alternative fuel options,” said Jimmy Palmer, EPA Regional Administrator. “Programs like the City of Hoover's Grease 2 Oil Program contribute to the EPA's mission of reducing harmful air emissions from motor vehicles.”

# Our program starts with our waste vegetable oil pickup route



# Arriving at our first stop



# Loading full barrel onto truck



# Off to the next pickup location



# Back at the shop we transfer the oil to our storage tanks



We also add the oil from our home recycling project at this time



One of the major problems with a municipal sewer system is used cooking oil that gets into the sewer lines and causes blockages.

One of the most common ways this can happen is by unsuspecting homeowners; they can introduce the used cooking oil into the system by just washing the dishes.

If you use a pot to deep fry and then pour out the oil into a canister for disposal, then wash out the pot you have just put about one tablespoon of oil into the dirty dishwater and then down the drain.

You see when you pour out the oil the remaining oil on the sides and bottom of the pot equals about one tablespoon, you should wipe out the pot with a paper towel and throw away the towel before washing the pot.

Just how much is one tablespoon of oil per household per week? It equals about one hundred and ten (110) fifty five (55) gallon drums a year of used oil into the sewer system.

Just imagine if everyone fried two or three times a week.

# Used Cooking Oil From Our Home Recycling Program



Next we move 110 gallons of oil to  
our processing units



After a simple test to determine the amount of chemicals we need for the reaction process...



We let the processor do the rest of the work



# Now we have fuel ready for use



# President Bush knows Alternative Fuel



- “Whether you think you can, or you think you can't; either way you are right.”

Henry Ford