

# Jackson County Fleet and Alternate Fuels

Can Alternate Fuels Pay Their Own Way?



**JACKSON  
COUNTY**  
*Oregon*

# Compressed Natural Gas



# CNG vs Gasoline

- Gasoline Van vs CNG Van
- Miles per gallon 12.65
- Gasoline \$3.40 per Gallon
- CNG \$1.41 per gasoline gallon equivalent
- Vehicle Life 125,000 Miles
- Fuel Used in 125,000 Miles
- 9,881 gallons
- CNG Equipment Cost \$14,000

# Cost Comparison

	Cost of Fuel	CNG Equipment	Total Cost
Gasoline	\$33,595		\$33,595
CNG	\$13,933	\$14,000	\$27,933
Savings			\$ 5,662

# Department of Energy Rebate

- 50 Cents per Gallon of CNG Used
- 9,486 Gallons
- \$4,941 Will Be Received in Rebates

# CNG Cost Benefit

- \$4,877 Saved in in Operation Costs
- \$4,743 Dept of Energy Rebate on CNG
- \$9,650 in Total Savings Over Gasoline Fuel

# Propane Vs Gasoline



# Propane Costs

- \$6,600 to Retrofit a Gasoline Truck to Use Both Gasoline and Propane
- Propane Costs Vary, 12 Month Average Cost is about 90 Cents per Gallon Less Than Gasoline

# Ford F150 Gasoline vs. Propane

125,000 Mile Costs	Gasoline	Propane
	\$3.40 per Gallon	\$1.75 per Gallon
14.09 MPG		
Fuel Used	8,872 Gallons	10,203 Gallons (Gas + 15%)
Fuel Cost	\$30,165	\$17,855
Cost of Propane Equipment		\$ 6,600
DOE 50 Cent Propane Rebate		\$- 5,101
Total Cost of Operation	\$30,165	\$19,354

# B20 Bio Diesel

