

Seminole County Public Schools

Why alternative fuel for school buses?

Shrinking budgets = cost saving alternative

Environmental Benefits-less emissions reduces greenhouse gas

Produced domestically-easily available, abundant supply

Healthier environment for the students

Quieter so less distractions for the driver, easier to maintain discipline

Less down time for maintenance of bus

Better opportunities for funding sources-grants, rebates...

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SCPS statistics

Total fleet inventory 451 buses

**2013-2014 purchased 48 total -2015
Thomas C2-Type C- 71pass**

**2014-2015 purchased 11 total -2016
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**2015-2016 purchased 14 total -2017
Bluebird – Type C-77 pass**

**Total 73 propane school buses or 16%
of the fleet**

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2 fueling locations =6,000 gallons

**15-16 school year the propane buses
traveled over 1.2 million miles
averaging 26,000 miles per bus**

**Used approximately 1,530 gallons of
propane daily with the current 48
buses. This includes our summer
session and field trips.**

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Current Comparison

	<u>Diesel</u>	<u>Propane</u>
MPG	6.63	3.87
Cost per mile		
<i>Maintenance/fuel</i>	.48	.26
<i>Maintenance only</i>	.23	.03
Annual operation cost 26,000 miles	\$8,160	\$4,420
Cost per gallon	\$1.64	.80
\$1.30 per gallon - .50 propane rebate		

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2015/2016 Annual savings

1,248,000 miles

	Diesel	Propane
Gallons of fuel	188,235	322,480
Total fuel cost	\$308,705	\$148,340
Total Maintenance cost	\$287,040	\$37,440

Annual savings for 2015/2016

\$8,541 per bus in fuel and maintenance cost



More money
goes back to the
classroom...

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Issues/Concerns

Distance that the buses can travel due to availability of refueling

Educating the drivers on propane fuel and driving habits

Higher cost to purchase vehicles that are powered by alternative fuel

<i>Propane</i>	<i>\$103,541</i>
<i>Diesel</i>	<i>\$98,341</i>

A yellow school bus is shown from a front-quarter perspective, slightly faded. The words "SCHOOL BUS" are visible on the front of the bus. The background is a light, hazy outdoor setting.

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Questions???

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Transportation Services