



# PROPANE BUS FLEET CASE STUDY

<b>ALVIN ISD</b>	
<b>CONTACT</b>	Jim Abney / Jeff Dungen
<b>TITLE</b>	Director of Transportation/ Asst. Director of Transportation
<b>ADDRESS</b>	2780 West Highway 6 Alvin, Texas 77511
<b>PHONE</b>	281-331-9163
<b>EMAIL</b>	<a href="mailto:jabney@alvinisd.net">jabney@alvinisd.net</a> <a href="mailto:jdungen@alvinisd.net">jdungen@alvinisd.net</a>
<b>BACKGROUND FACTS</b>	
250 sq. miles, 17,000 students Transports over 8,000 student passengers annually Annual school-bus mileage – 2 million miles Current annual usage of propane – 370,000 gallons	
<b>FLEET FACTS</b>	
Total School Buses: 183 <ul style="list-style-type: none"> <li>o 102 propane</li> <li>o 80 diesel</li> </ul>	Total Other Vehicles: 150 <ul style="list-style-type: none"> <li>o 4 propane</li> <li>o 4 diesel</li> <li>o 142 gasoline</li> </ul>
Refueling facilities: 6 propane dispensers, 4 diesel, 2 gasoline Gallons on-site propane storage: 18,000 gal. propane; 10,000 & 5,000 gal. diesel; 5,000 gal. gasoline Years using propane: 33	
<b>PROPANE COST SAVINGS</b>	
Current cost per gallon: propane \$1.0223/gal., diesel \$3.1882/gal. Current cost per mile: propane \$0.37, diesel \$0.72 (includes parts and labor costs) Savings using propane as an alternative fuel: \$0.35 per mile (without \$0.50 tax credit) Rebate received from \$0.50 cent tax credit: \$184,618.00	
<b>ADDITIONAL COMMENTS/QUOTES</b>	
We have now added propane-powered vehicles to our maintenance department in hopes of increasing our overall savings. Next year we are hoping to add 20 more propane buses to continue our reduction of diesel fuel, while also reducing our impact on our student environment.	

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**RAILROAD COMMISSION OF TEXAS**

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