



PROPANE BUS FLEET

CASE STUDY

ALVIN ISD

CONTACT: Jim Abney/Juan Mejias III
TITLE: Director of Transportation/Fleet Maintenance Director
DEPARTMENT: Transportation
ADDRESS: 2780 W HWY 6;
Alvin, TX 77511
PHONE: 281/331-9163
EMAIL: jabney@alvinisd.net; jmejias@alvinisd.net

BACKGROUND FACTS

250 sq. miles, 17,000 students
Transports over 8,000 student passengers annually
Annual school-bus mileage – 2.184 million miles
Current annual usage of propane – 340,000 gallons

FLEET FACTS

Total school buses: 192 <ul style="list-style-type: none"> o 112 propane o 80 diesel o 0 gasoline 	Total other vehicles 148 <ul style="list-style-type: none"> o 0 propane o 3 diesel o 145 gasoline
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Refueling facilities: Yes
Gallons on-site propane storage: 18,000 gallon tank; owned by Alvin ISD
Years using propane: 32 years

PROPANE COST SAVINGS

To date, we have received a total of \$480,841 in federal motor fuel tax credits. Our annual fuel savings on 10 liquid propane school buses compared to diesel is \$338,212. We pay \$1.59 per gallon for propane and \$3.23 per gallon for diesel. The new buses average \$0.569 cost per mile compared to the diesel buses at \$0.8135 cost per mile.

ADDITIONAL COMMENTS/QUOTES

This next year, Alvin ISD has decided to buy fuel on the open market. They feel that this will open the market up to more competition. In addition, they plan to purchase 10 more propane school buses under the grants.

Juan Mejias also encourages propane school bus users to use 5W30 synthetic blend oil instead of diesel oil. He has found that they can extend oil changes and increase fuel mileage with this simple step.

Revised 5/11