



# PROPANE BUS FLEET CASE STUDY

## HUMBLE INDEPENDENT SCHOOL DISTRICT

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## BACKGROUND FACTS

31<sup>st</sup> largest district in Texas and among the 25 fastest-growing  
36,000 students; 5,000 employees, 93 square miles  
2,763,593 miles traveled  
908.6 propane gallons used July - September 14, 2011  
6214.4 propane mileage July - September 14, 2011

## FLEET FACTS

|  |   |
|--|---|
| Total school buses <ul style="list-style-type: none"> <li>• 2 propane (25 still to be delivered)</li> <li>• 3 CNG</li> <li>• 243 Diesel</li> </ul> | Total other vehicles <ul style="list-style-type: none"> <li>• 2 propane forklifts</li> <li>• 12 diesel trucks</li> <li>• 163 gasoline service vehicles</li> </ul> |
|--|---|

Refueling facilities: Yes  
On-site propane storage: 18,000 gallons  
Years using propane: First Year 2011

## PROPANE COST SAVINGS

Propane Cost: \$1.85  
Diesel Cost: \$3.03  
Annual savings to district through use of propane: projected \$75,000

## ADDITIONAL COMMENTS/QUOTES

“Our propane buses are getting 5.9 mpg, compared to 7.71 mpg for diesel. Our district looks at miles per dollar, not miles per gallon to determine cost effectiveness. Our diesel buses average 2.54 miles per dollar, e.g. one diesel bus can travel 2.54 miles on \$1 of fuel. Propane buses average 3.19 miles per dollar. With the \$0.50 federal motor fuel tax credit, that will jump to 4.37 miles per gallon.” Allan Griffin

### Driver comments:

The general consensus has been very favorable about driving performance and quietness.

### Environmental considerations:

Being concerned about the environment is a lesson schools need to teach every day through operational efficiencies and clean technologies.

Revised 9/11



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