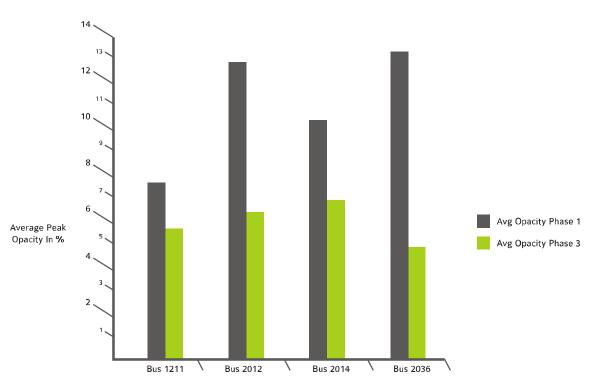
## Three-Phase Emissions Analysis Results



Opacity Reduction in Silver State Trailways Buses

# Silver State Trailways Emissions Results Breakdown:

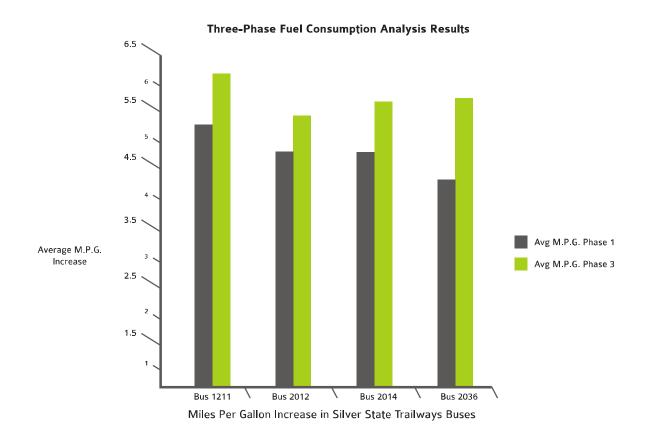
Average opacity decrease of **42.40**%<sup>1</sup>
Ending average vehicle smoke opacity of **6.027917**%
Carbon output reduction of **2,448,504** lbs of CO<sub>2</sub> per year<sup>2</sup>

<sup>&</sup>lt;sup>1</sup> Range from 24.18 to 62.71%

 $<sup>^{2}</sup>$  Carbon output calculated at the rate of 1 gallon diesel = 21.94 lbs of CO $_{2}$  output.

# Silver State Trailways Results, Continued

Demonstration conducted in 2009 by Omstar Environmental Products



#### Silver State Trailways Fuel Results Breakdown:

Average M.P.G. increase of 22.32% Projected annual net savings of \$216,146.00<sup>3</sup>

### **Projected Savings for Entire Silver State Trailways Fleet**

### **Estimated Annual Fuel Consumption**

Estimated annual fuel gallons without Omstar d-1280x: 500,000g Average 22.32% savings with Omstar d-1280x: 111,600g Estimated annual fuel gallons using Omstar d-1280x: 388,400g

#### **Estimated Annual Cost of Omstar**

Estimated annual d-1280x usage in gallons: 303g Estimated annual cost:  $303 \times $115.00 = $34,854.00$ 

### Estimated Annual Savings at fuel price of \$2.25

Estimated annual fuel cost without d-1280x:  $500,000 \times \$2.25 = \$1,125,000.00$ Estimated annual fuel cost with d-1280x:  $388,400 \times \$2.25 = \$873,900.00$ Estimated annual savings: **\$251,000.00** 

## Estimated Annual Net Savings at fuel price of \$2.25

Estimated annual savings: \$251,100.00 Estimated annual Omstar cost: \$34,854.00 Estimated annual net savings: **\$216,146.00** 

<sup>&</sup>lt;sup>3</sup> Projected annual savings calculated at the rate of \$2.25 per gallon on fuel.