

**Leander, Texas Independent School District
Eco System - Evaluation 2009**

MPG

Bus#	Feb-09	Mar-09	Apr-09	May-09	% of Fuel Savings	Fuel Used
43	7.5	8.7	8.5	8.5	13%	1619.3
213	7.0	8.0	8.0	8.2	17%	1077.0
224	6.6	6.4	7.4	7.6	15%	882.5
229	6.4	8.3	8.3	8.5	33%	803.6
252	6.6	6.9	7.2	7.0	5%	1205.3
263	4.1	5.8	6.0	5.9	45%	593.2
275	4.5	6.5	6.5	6.4	43%	605.5
287	5.6	7.7	7.5	7.9	40%	1045.6



Fuel Eco Systems
(512) 506-1946
www.fueleosystems.com

Average Fuel Savings for 8 buses 26% Total 7,832
Average Fuel Used per bus, per week. 61.2 Gallons

Fuel Savings

For 8 buses, each using on average 61.2 gallons of fuel per week, at \$1.98 per gallon, with a 26% reduction in fuel consumption, you will save \$252/week, \$1,084/month, and \$13,008/Year.

Carbon Emissions

With a 26% reduction in fuel consumption for the 8 buses, your total carbon¹ emissions would be reduced by 67 metric tons/year for diesel.

FYI: 200 bus scenario

Fuel Savings

For 200 buses, each using on average 61.2 gallons of fuel per week, at \$1.98 per gallon, with a 26% reduction in fuel consumption, you will save \$6,301/week, \$27,094/month, and \$325,128/year.

Carbon Emissions

With a 26% reduction in fuel consumption for the 200 buses, your total carbon¹ emissions would be reduced by 1,667 metric tons/year for diesel.

carbon¹ emissions - These are based only on the reduced fuel use, and don't include emissions reductions our product offers.

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Service Vehicle#	MPG				% of Fuel Savings	Fuel Used
	Feb-09	Mar-09	Apr-09	May-09		
45T	9.6	15.3	16.2	14.2	47%	489.9

Average Fuel Used per week. **30.6 Gallons**

Fuel Savings

For 1 vehicle, using on average 30.6 gallons of fuel per week, at \$1.98 per gallon, with a 47% reduction in fuel consumption, you will save \$28/week, \$120/month, and \$1,440/year.

Carbon Emissions

With a 47% reduction in fuel consumption for the 1 vehicle, your total carbon¹ emissions would be reduced by 6.58 metric tons/year for gasoline.

FYI: 25 vehicle scenario

Fuel Savings

For 25 vehicles, using on average 30.6 gallons of fuel per week, at \$1.98 per gallon, with a 47% reduction in fuel consumption, you will save \$712/week, \$3,062/month, and \$36,744/year.

Carbon Emissions

With a 47% reduction in fuel consumption for the 25 vehicles, your total carbon¹ emissions would be reduced by 165 metric tons/year for gasoline.

carbon¹ emissions - These are based only on the reduced fuel use, and don't include emissions reductions our product offers.

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<u>Service Vehicle#</u>	<u>Date</u>	<u>Mileage</u>	<u>Gallons</u>	<u>MPG</u>	<u>Bus#</u>	<u>Date</u>	<u>Mileage</u>	<u>Gallons</u>	<u>MPG</u>	<u>Bus#</u>	<u>Date</u>	<u>Mileage</u>	<u>Gallons</u>	<u>MPG</u>			
45T	Feb. 1	215580			43	Feb. 1	56505			213	Feb. 1	195886					
	Feb. 28	<u>216913</u>				Feb. 28	<u>59249</u>				Feb. 28	<u>197650</u>					
		1333	138.4	9.6			2744	365.5	7.5			1764	250.8	7.0			
	1-Mar	216913				1-Mar	59249				1-Mar	197650					
	31-Mar	<u>218304</u>				31-Mar	<u>62360</u>				31-Mar	<u>199502</u>					
		1391	91.2	15.3			3111	355.6	8.7			1852	231.7	8.0			
	1-Apr	218304				1-Apr	62360				1-Apr	199502					
	30-Apr	<u>220187</u>				30-Apr	<u>66100</u>				30-Apr	<u>202105</u>					
		1883	116.2	16.2			3740	440	8.5			2603	324.6	8.0			
	1-May	220187				1-May	66100				1-May	202105					
	31-May	<u>222232</u>				30-May	<u>69980</u>				30-May	<u>204317</u>					
		2045	144.1	14.2			3880	458.2	8.5			2212	269.9	8.2			
		489.9				1619.3				1077.0							

<u>Bus#</u>	<u>Date</u>	<u>Mileage</u>	<u>Gallons</u>	<u>MPG</u>	<u>Bus#</u>	<u>Date</u>	<u>Mileage</u>	<u>Gallons</u>	<u>MPG</u>	<u>Bus#</u>	<u>Date</u>	<u>Mileage</u>	<u>Gallons</u>	<u>MPG</u>			
224	Feb. 1	196276			229	Feb. 1	19008			252	Feb. 1	82810					
	Feb. 28	<u>197474</u>				Feb. 28	<u>19853</u>				Feb. 28	<u>84560</u>					
		1198	181.3	6.6			845	132.5	6.4			1750	263.2	6.6			
	1-Mar	197474				1-Mar	19853				1-Mar	84560					
	31-Mar	<u>199046</u>				31-Mar	<u>21604</u>				31-Mar	<u>86719</u>					
		1572	246.4	6.4			1751	209.9	8.3			2159	312.8	6.9			
	1-Apr	199046				1-Apr	21604				1-Apr	86719					
	30-Apr	<u>200783</u>				30-Apr	<u>23514</u>				30-Apr	<u>88911</u>					
		1737	236.1	7.4			1910	231.2	8.3			2192	304.5	7.2			
	1-May	200783				1-May	23514				1-May	88911					
	30-May	<u>202445</u>				30-May	<u>25458</u>				30-May	<u>91187</u>					
		1662	218.7	7.6			1944	230	8.5			2276	324.8	7.0			
		882.5				803.6				1205.3							

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<u>Bus#</u>	<u>Date</u>	<u>Mileage</u>	<u>Gallons</u>	<u>MPG</u>	<u>Bus#</u>	<u>Date</u>	<u>Mileage</u>	<u>Gallons</u>	<u>MPG</u>	<u>Bus#</u>	<u>Date</u>	<u>Mileage</u>	<u>Gallons</u>	<u>MPG</u>
263	Feb. 1	32834			275	Feb. 1	12782			287	Feb. 1	6406		
	Feb. 28	<u>33585</u>				Feb. 28	<u>13552</u>				Feb. 28	<u>7514</u>		
		751	183.4	4.1			770	171.1	4.5			1108	197	5.6
	1-Mar	33585				1-Mar	13552				1-Mar	7514		
	31-Mar	<u>34334</u>				31-Mar	<u>14436</u>				31-Mar	<u>9538</u>		
		749	130	5.8			884	136.5	6.5			2024	261.5	7.7
	1-Apr	34334				1-Apr	14436				1-Apr	9538		
	30-Apr	<u>35307</u>				30-Apr	<u>15349</u>				30-Apr	<u>11551</u>		
		973	163.3	6.0			913	140.6	6.5			2013	269.6	7.5
	1-May	35307				1-May	15349				1-May	11551		
	30-May	<u>35998</u>				30-May	<u>16359</u>				30-May	<u>14059</u>		
		691	116.5	5.9			1010	157.3	6.4			2508	317.5	7.9
			593.2					605.5					1045.6	

Bottom Line: Estimate of Fuel Savings and Reduced Carbon

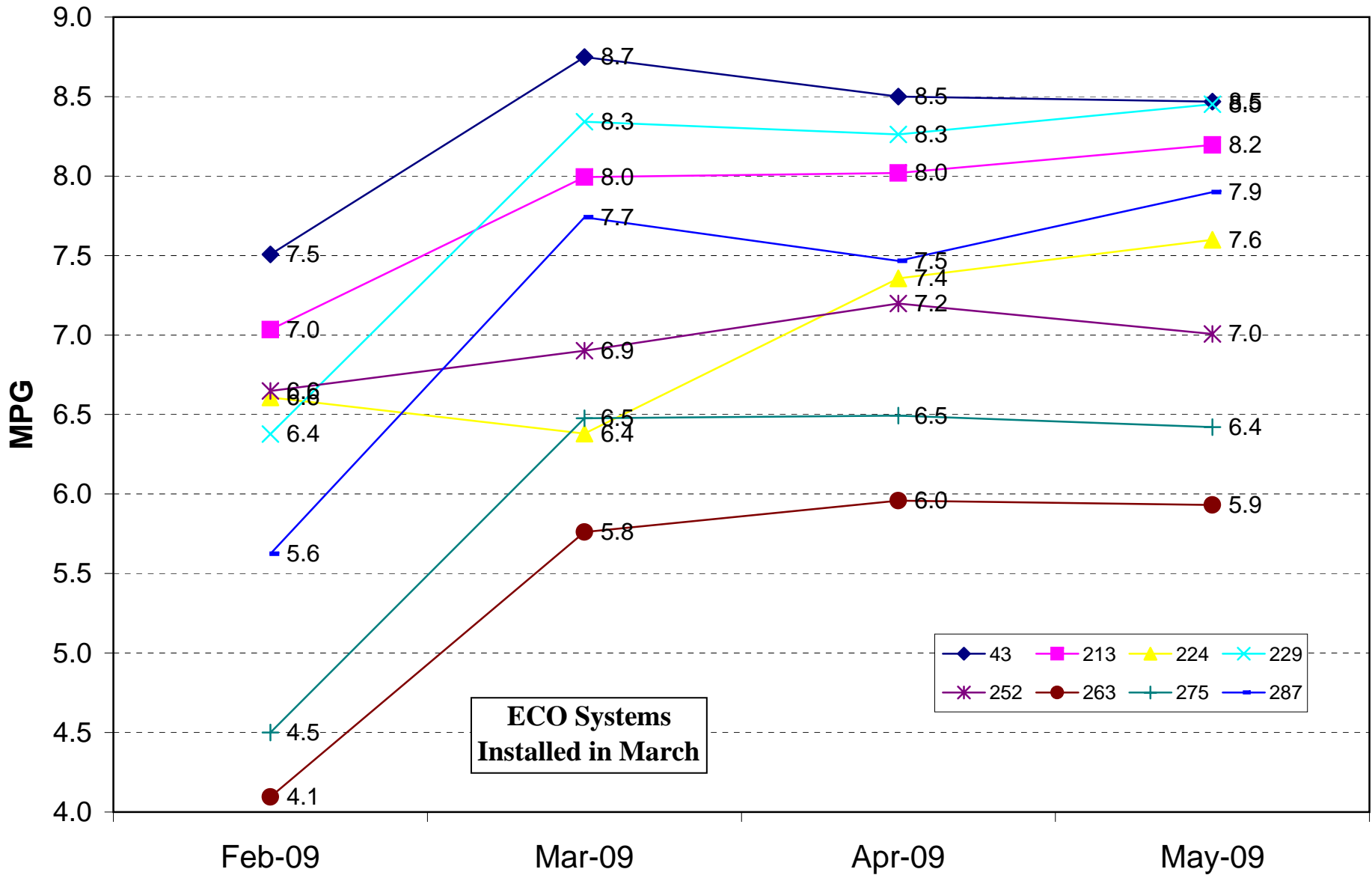
Fuel	200	Buses	Diesel	\$325,128	
	25	Vehicles	Gasoline	\$36,744	
			Total	\$361,872	per year fuel savings

Carbon	200	Buses	Diesel	1,667	metric tons/year.
	25	Vehicles	Gasoline	165	metric tons/year.
			Total	1,832	metric tons/year.

**The approximate cost to install the Eco Systems product on all vehicle is \$108,200.
Return on Investment (ROI) is approximately 5 to 7 months depending on fuel cost and usage.**

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**Leander I.S.D.
Bus MPG evaluation using Eco System**



**Leander I.S.D.
Truck 45T MPG evaluation using Eco System**

