

**NOTICE OF PUBLIC INFORMATION**

**ARIZONA DEPARTMENT OF COMMERCE**

Pursuant to A.R.S. § 41-1516.01, this notice is being filed to publicize the Alternative Fuel Delivery Systems Standardized Waiver Applications, and the towns and school districts applying for waivers.

The following organizations are applying for waivers: Gilbert Public Schools, Glendale Elementary #40, Glendale Union High School, Mesa Public Schools, Phoenix Elementary #1, Dysart School District #89, Alhambra School District #68, Phoenix Union High School District, City of Tempe, Town of Fountain Hills, City of Goodyear, Town of Carefree, Town of Gilbert, and the City of Tolleson. The following organizations are not applying for waivers: Chandler Unified School District, Cartwright Elementary #83, Creighton Elementary School District #14, Deer Valley School District, Kyrene School District #28, Madison School District #38, Osborn School District #8, Paradise Valley Unified #69, Peoria Unified #11, Roosevelt School District #66, Tempe School District #3, Washington Elementary #6, Scottsdale Unified, Tempe Union High School District, Issac School District #5, Tolleson School District #17, City of Phoenix, City of Mesa, City of Glendale, City of Scottsdale, City of Chandler, City of Avondale, City of Peoria, Town Buckeye, Town of Cave Creek, City of El Mirage, City of Litchfield Park, Town of Paradise Valley, Town of Queen Creek and the Town of Youngtown.

Name of Organization: Alhambra Elementary School District No. 68

Address: 4510 N. 37th Avenue  
Phoenix, Arizona 85019

Contact Name: Dr. James W. Rice  
Phone: (602) 336-2920

Total Number of Fleet Vehicles: 77

Number of Alternative Fuel Vehicles Required By 12/31/95 (18%):	14
Number of Alternative Fuel Vehicles Required By 12/31/96 (25%):	19
Number of Alternative Fuel Vehicles Required By 12/31/98 (50%):	39
Number of Alternative Fuel Vehicles Required By 12/31/00 (75%):	58

**Fuel Costs**

	<u>\$/GGE*</u>	<u>Alt. Fuel</u>
Cost of Gasoline:	\$1.10	
Cost of Diesel:	\$0.90	
Cost of Alternative Fuel 1:	\$0.52	CNG
Cost of Alternative Fuel 2:	\$0.80	LPG
Cost of Alternative Fuel 3:	\$1.80	M85

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Lower Heating Values**

	<u>BTU/Gal</u>	<u>BTU/Lb.</u>	<u>BTU/cu. ft.</u>
Gasoline	115,000	18,000	
Diesel	128,400	18,000	
Propane	84,500	19,800	
Natural Gas**		21,300	1,028    Approximately
Hydrogen		51,532	
Methanol	56,800	8,570	
Ethanol	76,000	11,500	

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

**Notices of Public Information**

**Life Cycle Cost & Net Cost Calculations**

<b>Fleet Vehicle Operation Costs Before Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Conventional Station Cost	\$0			\$0
Annual Station Operation Cost	\$0	3.0%	5.7%	\$0
Annual Vehicle Fuel Cost	\$77,035	2.4%	5.7%	\$634,805
Annual Vehicle Maint. Cost	\$95,149	3.0%	5.7%	\$803,851
Vehicle Capital Cost	\$491,000			\$491,000
Vehicle Salvage Value	\$140,000		5.7%	\$80,499
				<b>\$1,849,157</b>
<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Alternative Fuel Station Cost	\$0			\$0
Annual Station Operation Cost	\$0	3.0%	5.7%	\$0
Annual Vehicle Fuel Cost	\$39,604	1.0%	5.7%	\$308,092
Annual Vehicle Maint. Cost	\$95,149	3.0%	5.7%	\$803,851
Vehicle Capital/Conversion Cost	\$1,502,600			\$1,502,600
Vehicle Salvage Value	\$140,000		5.7%	\$80,499
				<b>\$2,534,044</b>
Conventional Vehicles Present Cost: .....		\$1,849,157		
Alternative Fuel Vehicles Present Cost: .....		\$2,534,044		
Net Cost: .....		\$684,887		
Percent Change: .....		37.0%		

You may opt out of mandates.

**Name of Organization:** Town of Carefree  
**Address:** P.O. Box 740, 100 Easy Street  
 Carefree, Arizona 85377  
**Contact Name:** Johnathan H. Pearson  
**Phone:** (602) 488-3686

Total Number of Fleet Vehicles: 4

Number of Alternative Fuel Vehicles Required By 12/31/95 (18%):	1
Number of Alternative Fuel Vehicles Required By 12/31/96 (25%):	1
Number of Alternative Fuel Vehicles Required By 12/31/98 (50%):	2
Number of Alternative Fuel Vehicles Required By 12/31/00 (75%):	3

**Fuel Costs**

	<b><u>\$/GGE*</u></b>	<b><u>Alt. Fuel</u></b>
Cost of Gasoline:	\$1.45	
Cost of Diesel:	\$0.00	
Cost of Alternative Fuel 1:	\$0.75	CNG
Cost of Alternative Fuel 2:	\$0.00	LPG
Cost of Alternative Fuel 3:	\$0.00	M85

**Arizona Fuel Escalation Rates**

Gasoline .....	2.00%
Diesel .....	3.00%
Natural Gas .....	1.00%
LPG (Propane) .....	2.00%
Methanol (M85) .....	0.00%
Ethanol (E85) .....	0.00%

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Lower Heating Values**

	<b><u>BTU/Gal</u></b>	<b><u>BTU/Lb.</u></b>	<b><u>BTU/cu. ft.</u></b>
Gasoline	115,000	18,000	
Diesel	128,400	18,000	
Propane	84,500	19,800	
Natural Gas**		21,300	1,028    Approximately
Hydrogen		51,532	
Methanol	56,800	8,570	
Ethanol	76,000	11,500	

**Notices of Public Information**

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

**Life Cycle Cost & Net Cost Calculations**

<b>Fleet Vehicle Operation Costs Before Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Conventional Station Cost	\$0			\$0
Annual Station Operation Cost	\$0	2.5%	10.0%	\$0
Annual Vehicle Fuel Cost	\$3,306	2.0%	10.0%	\$21,903
Annual Vehicle Maint. Cost	\$638	3.0%	10.0%	\$4,392
Vehicle Capital Cost	\$0			\$0
Vehicle Salvage Value	\$0		10.0%	\$0
				<b>\$26,295</b>

<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Alternative Fuel Station Cost	\$4,500			\$4,500
Annual Station Operation Cost	\$50	3.0%	10.0%	\$344
Annual Vehicle Fuel Cost	\$3,132	1.8%	10.0%	\$20,552
Annual Vehicle Maint. Cost	\$638	3.0%	10.0%	\$4,392
Vehicle Capital/Conversion Cost	\$4,500			\$4,500
Vehicle Salvage Value	\$0		10.0%	\$0
				<b>\$34,288</b>

Conventional Vehicles Present Cost: ..... \$26,295  
 Alternative Fuel Vehicles Present Cost: ..... \$34,288  
 Net Cost: ..... \$7,993  
 Percent Change: ..... 30.4%

You may opt out of mandates

Name of Organization: Dysart School District

Address: 11405 North Dysart Road  
 Elmirage, Arizona 85335

Contact Name: Salador Morales  
Phone: (602) 876-7000

Total Number of Fleet Vehicles: 82

Number of Alternative Fuel Vehicles Required By 12/31/95 (18%): 15  
 Number of Alternative Fuel Vehicles Required By 12/31/96 (25%): 21  
 Number of Alternative Fuel Vehicles Required By 12/31/98 (50%): 41  
 Number of Alternative Fuel Vehicles Required By 12/31/00 (75%): 62

**Fuel Costs**

	<u>\$/GGE*</u>	<u>Alt. Fuel</u>
Cost of Gasoline:	<u>\$1.05</u>	
Cost of Diesel:	\$0.80	
Cost of Alternative Fuel 1:	\$0.00	CNG
Cost of Alternative Fuel 2:	\$0.00	LPG
Cost of Alternative Fuel 3:	\$0.00	M85

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Lower Heating Values**

	<u>BTU/Gal</u>	<u>BTU/Lb.</u>	<u>BTU/cu. ft.</u>
Gasoline	115,000	18,000	
Diesel	128,400	18,000	
Propane	84,500	19,800	

**Notices of Public Information**

Natural Gas**		21,300	1,028	Approximately
Hydrogen		51,532		
Methanol	56,800	8,570		
Ethanol	76,000	11,500		

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

**Life Cycle Cost & Net Cost Calculations**

<b>Fleet Vehicle Operation Costs Before Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Conventional Station Cost	\$0			\$0
Annual Station Operation Cost	\$1,000	2.5%	10.0%	\$6,753
Annual Vehicle Fuel Cost	\$56,057	2.0%	10.0%	\$371,396
Annual Vehicle Maint. Cost	\$62,500	3.0%	10.0%	\$430,234
Vehicle Capital Cost	\$0			\$0
Vehicle Salvage Value	\$0		10.0%	\$0
				<b>\$808,383</b>

<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Alternative Fuel Station Cost	\$250,000			\$250,000
Annual Station Operation Cost	\$0	3.0%	10.0%	\$0
Annual Vehicle Fuel Cost	\$47,662	1.0%	10.0%	\$304,044
Annual Vehicle Maint. Cost	\$62,500	3.0%	10.0%	\$430,234
Vehicle Capital/Conversion Cost	\$105,000			\$105,000
Vehicle Salvage Value	\$0		10.0%	\$0
				<b>\$1,089,278</b>

Conventional Vehicles Present Cost: ..... \$808,383  
 Alternative Fuel Vehicles Present Cost: .....  
 Net Cost: ..... \$280,895  
 Percent Change: ..... 34.7%  
 You may opt out of mandates.

Name of Organization: Town of Fountain Hills  
Address: P.O. Box 17958  
 Fountain Hills, Arizona 85269  
Contact Name: Randy L. Harrel  
Phone: (602) 837-2003

Note: Data corresponds to that used for Resolution 1995-75; under which Fountain Hills "opted out" of the AFV program.

Total Number of Fleet Vehicles: 19 -1996  
 Number of Alternative Fuel Vehicles Required By 12/31/95 (18%): 3  
 Number of Alternative Fuel Vehicles Required By 12/31/96 (25%): 5  
 Number of Alternative Fuel Vehicles Required By 12/31/98 (50%): 10  
 Number of Alternative Fuel Vehicles Required By 12/31/00 (75%): 14

**Fuel Costs**

	<u>\$/GGE*</u>	<u>Alt. Fuel</u>
Cost of Gasoline:	\$1.17	
Cost of Diesel:	\$0.90	
Cost of Alternative Fuel 1:	\$0.52	CNG
Cost of Alternative Fuel 2:	\$0.90	LPG
Cost of Alternative Fuel 3:	\$1.80	M85

**Arizona Fuel Escalation Rates**

Gasoline .....	2.00%
Diesel .....	3.00%
Natural Gas .....	1.00%
LPG (Propane) .....	2.00%
Methanol (M85) .....	0.00%
Ethanol (E85) .....	0.00%

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Notices of Public Information**

**Lower Heating Values**

	<u>BTU/Gal</u>	<u>BTU/Lb.</u>	<u>BTU/cu. ft.</u>	
Gasoline	115,000	18,000		
Diesel	128,400	18,000		
Propane	84,500	19,800		
Natural Gas**		21,300	1,028	Approximately
Hydrogen		51,532		
Methanol	56,800	8,570		
Ethanol	76,000	11,500		

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

**Life Cycle Cost & Net Cost Calculations**

<b>Fleet Vehicle Operation Costs Before Alt. Fuel Mandates</b>	Initial or Annual Cost	Escalation Rate (%)	Discount Rate (%)	10 Year Present Cost
Conventional Station Cost	\$0			\$0
Annual Station Operation Cost	\$0	2.5%	10.0%	\$0
Annual Vehicle Fuel Cost	\$901	2.0%	10.0%	\$5,969
Annual Vehicle Maint. Cost	\$800	3.0%	10.0%	\$5,507
Vehicle Capital Cost	\$17,000			\$17,000
Vehicle Salvage Value	\$2,000		10.0%	\$771
				\$27,705

<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	Initial or Annual Cost	Escalation Rate (%)	Discount Rate (%)	10 Year Present Cost
Alternative Fuel Station Cost	\$0			\$0
Annual Station Operation Cost	\$0	3.0%	10.0%	\$0
Annual Vehicle Fuel Cost	\$1,110	2.0%	10.0%	\$7,354
Annual Vehicle Maint. Cost	\$867	3.0%	10.0%	\$5,968
Vehicle Capital/Conversion Cost	\$20,000			\$20,000
Vehicle Salvage Value	\$2,000		10.0%	\$771
				\$32,551

Conventional Vehicles Present Cost: .....	\$27,705
Alternative Fuel Vehicles Present Cost: .....	\$32,551
Net Cost: .....	\$4,846
Percent Change: .....	17.5%

Name of Organization: Gilbert Unified School District #41

Address: 140 S. Gilbert Rd.  
Gilbert, Arizona 85234

Contact Name: L. Jay Morris  
Phone: (602) 497-3314

Total Number of Fleet Vehicles: 220

Number of Alternative Fuel Vehicles Required By 12/31/95 (18%):	40
Number of Alternative Fuel Vehicles Required By 12/31/96 (25%):	55
Number of Alternative Fuel Vehicles Required By 12/31/98 (50%):	110
Number of Alternative Fuel Vehicles Required By 12/31/00 (75%):	165

**Fuel Costs**

	<u>\$/GGE*</u>	<u>Alt. Fuel</u>
Cost of Gasoline:	\$1.10	
Cost of Diesel:	\$0.90	
Cost of Alternative Fuel 1:	\$0.52	CNG

**Notices of Public Information**

Cost of Alternative Fuel 2:	\$0.80	LPG
Cost of Alternative Fuel 3:	\$1.80	M85

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Lower Heating Values**

	BTU/Gal	BTU/Lb.	BTU/cu. ft.	
Gasoline	115,000	18,000		
Diesel	128,400	18,000		
Propane	84,500	19,800		
Natural Gas**		21,300	1,028	Approximately
Hydrogen		51,532		
Methanol	56,800	8,570		
Ethanol	76,000	11,500		

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

**Life Cycle Cost & Net Cost Calculations**

<b>Fleet Vehicle Operation Costs Before Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Conventional Station Cost	\$0			\$0
Annual Station Operation Cost	\$1,600	0.3%	10.0%	\$10,805
Annual Vehicle Fuel Cost	\$145,271	0.2%	10.0%	\$962,467
Annual Vehicle Maint. Cost	\$332,902	0.3%	10.0%	\$2,291,612
Vehicle Capital Cost	\$3,440,375			\$3,440,375
Vehicle Salvage Value	\$651,490		10.0%	\$251,178
				\$6,454,081

<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Alternative Fuel Station Cost	\$250,000			\$250,000
Annual Station Operation Cost	\$1,000	0.3%	10.0%	\$6,884
Annual Vehicle Fuel Cost	\$77,805	0.1%	10.0%	\$496,330
Annual Vehicle Maint. Cost	\$332,902	0.3%	10.0%	\$2,291,612
Vehicle Capital/Conversion Cost	\$11,189,000			\$11,189,000
Vehicle Salvage Value	\$932,703		10.0%	\$359,597
				\$13,874,228

Conventional Vehicles Present Cost: .....	\$6,454,081.12
Alternative Fuel Vehicles Present Cost: .....	\$13,874,228.33
Net Cost: .....	\$7,420,147.21
Percent Change: .....	1.15

You may opt out of mandates.

**Name of Organization:** Town of Gilbert

**Address:** 525 N. Lindsay Road  
Gilbert, Arizona 85234

**Contact Name:** Daniel Kyman/Scott Sonneberg

**Phone:** (602) 503-6422/503-6431

Total Number of Fleet Vehicles: 156

Number of Alternative Fuel Vehicles Required By 12/31/95 (18%):	28
Number of Alternative Fuel Vehicles Required By 12/31/96 (25%):	39
Number of Alternative Fuel Vehicles Required By 12/31/98 (50%):	78
Number of Alternative Fuel Vehicles Required By 12/31/00 (75%):	117

**Arizona Administrative Register**

**Notices of Public Information**

**Fuel Costs**

	<u>\$/GGE*</u>	<u>Alt. Fuel</u>
Cost of Gasoline:	\$1.10	
Cost of Diesel:	\$0.90	
Cost of Alternative Fuel 1:	\$0.52	CNG
Cost of Alternative Fuel 2:	\$0.80	LPG
Cost of Alternative Fuel 3:	\$1.80	M85

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Arizona Fuel Escalation Rates**

Gasoline .....	2.00%
Diesel .....	3.00%
Natural Gas .....	1.00%
LPG (Propane) .....	2.00%
Methanol (M85) .....	0.00%
Ethanol (E85) .....	0.00%

**Lower Heating Values**

	<u>BTU/Gal</u>	<u>BTU/Lb.</u>	<u>BTU/cu. ft.</u>
Gasoline	115,000	18,000	
Diesel	128,400	18,000	
Propane	84,500	19,800	
Natural Gas**		21,300	1,028    Approximately
Hydrogen		51,532	
Methanol	56,800	8,570	
Ethanol	76,000	11,500	

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Alternative Fuel Station Cost	\$0			\$0
Annual Station Operation Cost	\$0	3.0%	10.0%	\$0
Annual Vehicle Fuel Cost	\$71,413	1.0%	10.0%	\$455,552
Annual Vehicle Maint. Cost	\$346,790	3.0%	10.0%	\$2,387,210
Vehicle Capital/Conversion Cost	\$2,296,914			\$2,296,914
Vehicle Salvage Value	\$0		10.0%	\$0
				\$5,139,676
Conventional Vehicles Present Cost: .....		\$3,655,348		
Alternative Fuel Vehicles Present Cost: .....		\$5,139,676		
Net Cost: .....		\$1,484,328		
Percent Change: .....		40.6%		

Name of Organization:            Glendale Elementary School District No. 40

Address:                                7301 N. 58th Avenue  
Glendale, Arizona 85301

Contact Name:                        Manny Quihuis

Phone:                                    (602) 842-8195

Total Number of Fleet Vehicles: 94

Number of Alternative Fuel Vehicles Required By 12/31/95 (18%):	17
Number of Alternative Fuel Vehicles Required By 12/31/96 (25%):	24
Number of Alternative Fuel Vehicles Required By 12/31/98 (50%):	47
Number of Alternative Fuel Vehicles Required By 12/31/00 (75%):	71

**Fuel Costs**

	<u>\$/GGE*</u>	<u>Alt. Fuel</u>
Cost of Gasoline:	\$1.00	
Cost of Diesel:	\$1.00	
Cost of Alternative Fuel 1:	\$0.66	CNG
Cost of Alternative Fuel 2:	\$1.35	LPG
Cost of Alternative Fuel 3:	\$0.00	M85

**Notices of Public Information**

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Lower Heating Values**

	<u>BTU/Gal</u>	<u>BTU/Lb.</u>	<u>BTU/cu. ft.</u>	
Gasoline	115,000	18,000		
Diesel	128,400	18,000		
Propane	84,500	19,800		
Natural Gas**		21,300	1,028	Approximately
Hydrogen		51,532		
Methanol	56,800	8,570		
Ethanol	76,000	11,500		

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

**Life Cycle Cost & Net Cost Calculations (25% converted)**

<b>Fleet Vehicle Operation Costs Before Alt. Fuel Mandates</b>	Initial or Annual Cost	Escalation Rate (%)	Discount Rate (%)	10 Year Present Cost
Conventional Station Cost	\$0			\$0
Annual Station Operation Cost	\$1,050	2.5%	10.0%	\$7,091
Annual Vehicle Fuel Cost	\$92,104	2.0%	10.0%	\$610,218
Annual Vehicle Maint. Cost	\$38,718	3.0%	10.0%	\$266,525
Vehicle Capital Cost	\$80,000			\$80,000
Vehicle Salvage Value	\$5,000		10.0%	\$1,928
				\$961,905
<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	Initial or Annual Cost	Escalation Rate (%)	Discount Rate (%)	10 Year Present Cost
Alternative Fuel Station Cost	\$253,000			\$253,000
Annual Station Operation Cost	\$2,500	2.5%	10.0%	\$2,500
Annual Vehicle Fuel Cost	\$94,777	2.0%	10.0%	\$627,927
Annual Vehicle Maint. Cost	\$38,718	3.0%	10.0%	\$266,525
Vehicle Capital/Conversion Cost	\$143,500			\$143,500
Vehicle Salvage Value	\$5,000		10.0%	\$1,928
				\$1,291,524
Conventional Vehicles Present Cost: .....		\$961,905		
Alternative Fuel Vehicles Present Cost: .....		\$1,291,524		
Net Cost: .....		\$329,619		
Percent Change: .....		34.3%		

Name of Organization: Glendale Union High School District

Address: 7650 N. 43rd Avenue  
Glendale, Arizona 85301

Contact Name: Mr. Gene Dudo  
Phone: (602) 435-6000

Total Number of Fleet Vehicles: 144

Number of Alternative Fuel Vehicles Required By 12/31/95 (18%):	26
Number of Alternative Fuel Vehicles Required By 12/31/96 (25%):	36
Number of Alternative Fuel Vehicles Required By 12/31/98 (50%):	72
Number of Alternative Fuel Vehicles Required By 12/31/00 (75%):	108

**Arizona Administrative Register**  
**Notices of Public Information**

**Fuel Costs**

	<u>\$/GGE*</u>	<u>Alt. Fuel</u>
Cost of Gasoline:	\$1.03	
Cost of Diesel:	\$0.75	
Cost of Alternative Fuel 1:	\$0.55	CNG
Cost of Alternative Fuel 2:	\$0.00	LPG
Cost of Alternative Fuel 3:	\$0.00	M85

**Arizona Fuel Escalation Rates**

Gasoline .....	2.00%
Diesel .....	3.00%
Natural Gas .....	1.00%
LPG (Propane) .....	2.00%
Methanol (M85) .....	0.00%
Ethanol (E85) .....	0.00%

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Lower Heating Values**

	<u>BTU/Gal</u>	<u>BTU/Lb.</u>	<u>BTU/cu. ft.</u>
Gasoline	115,000	18,000	
Diesel	128,400	18,000	
Propane	84,500	19,800	
Natural Gas**		21,300	1,028 Approximately
Hydrogen		51,532	
Methanol	56,800	8,570	
Ethanol	76,000	11,500	

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

**Life Cycle Cost & Net Cost Calculations**

<b>Fleet Vehicle Operation Costs Before Alt. Fuel Mandates</b>	Initial or Annual Cost	Escalation Rate (%)	Discount Rate (%)	10 Year Present Cost
Conventional Station Cost	\$0			\$0
Annual Station Operation Cost	\$2,500	2.5%	10.0%	\$16,882
Annual Vehicle Fuel Cost	\$99,311	2.0%	10.0%	\$857,966
Annual Vehicle Maint. Cost	\$122,445	3.0%	10.0%	\$842,880
Vehicle Capital Cost	\$183,593			\$183,593
Vehicle Salvage Value	\$20,000		10.0%	\$7,711
				\$1,693,610
<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	Initial or Annual Cost	Escalation Rate (%)	Discount Rate (%)	10 Year Present Cost
Alternative Fuel Station Cost	\$305,582			\$305,582
Annual Station Operation Cost	\$5,000	3.0%	10.0%	\$34,419
Annual Vehicle Fuel Cost	\$88,152	1.0%	10.0%	\$562,332
Annual Vehicle Maint. Cost	\$122,445	3.0%	10.0%	\$842,880
Vehicle Capital/Conversion Cost	\$391,247			\$391,247
Vehicle Salvage Value	\$20,000		10.0%	\$7,711
				\$2,128,748
Conventional Vehicles Present Cost: .....		\$1,693,610		
Alternative Fuel Vehicles Present Cost: .....		\$2,128,748		
Net Cost: .....		\$435,138		
Percent Change: .....		25.7%		
You may opt out of mandates.				

**Notices of Public Information**

**Name of Organization:** The City of Goodyear  
**Address:** 119 N. Litchfield Road  
 Goodyear, Arizona 85338  
**Contact Name:** Steve Ruppenthal  
**Phone:** (602) 932-1637

Total Number of Fleet Vehicles: 68

Number of Alternative Fuel Vehicles Required By 12/31/95 (18%): 12  
 Number of Alternative Fuel Vehicles Required By 12/31/96 (25%): 17  
 Number of Alternative Fuel Vehicles Required By 12/31/98 (50%): 34  
 Number of Alternative Fuel Vehicles Required By 12/31/00 (75%): 51

**Fuel Costs**

	<u>\$/GGE*</u>	<u>Alt. Fuel</u>
Cost of Gasoline:	\$0.92	
Cost of Diesel:	\$0.90	
Cost of Alternative Fuel 1:	\$0.52	CNG
Cost of Alternative Fuel 2:	\$1.12	LPG
Cost of Alternative Fuel 3:	\$1.80	M85

**Arizona Fuel Escalation Rates**

Gasoline .....	2.00%
Diesel .....	3.00%
Natural Gas .....	1.00%
LPG (Propane) .....	2.00%
Methanol (M85) .....	0.00%
Ethanol (E85) .....	0.00%

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Lower Heating Values**

	<u>BTU/Gal</u>	<u>BTU/Lb.</u>	<u>BTU/cu. ft.</u>	
Gasoline	115,000	18,000		
Diesel	128,400	18,000		
Propane	84,500	19,800		
Natural Gas**		21,300	1,028	Approximately
Hydrogen		51,532		
Methanol	56,800	8,570		
Ethanol	76,000	11,500		

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

**Life Cycle Cost & Net Cost Calculations**

<b>Fleet Vehicle Operation Costs Before Alt. Fuel Mandates</b>	Initial or Annual Cost	Escalation Rate (%)	Discount Rate (%)	10 Year Present Cost
Conventional Station Cost	\$0			\$0
Annual Station Operation Cost	\$150	2.5%	10.0%	\$1,013
Annual Vehicle Fuel Cost	\$118,155	2.0%	10.0%	\$782,811
Annual Vehicle Maint. Cost	\$94,490	3.0%	10.0%	\$650,445
Vehicle Capital Cost	\$0			\$0
Vehicle Salvage Value	\$0		10.0%	\$0
				\$1,434,268

<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	Initial or Annual Cost	Escalation Rate (%)	Discount Rate (%)	10 Year Present Cost
Alternative Fuel Station Cost	\$90,000			\$90,000
Annual Station Operation Cost	\$1,500	3.0%	10.0%	\$10,326
Annual Vehicle Fuel Cost	\$114,369	1.0%	10.0%	\$729,576
Annual Vehicle Maint. Cost	\$97,630	3.0%	10.0%	\$672,060
Vehicle Capital/Conversion Cost	\$76,204			\$76,204
Vehicle Salvage Value	\$0		10.0%	\$0
				\$1,578,165

**Notices of Public Information**

Conventional Vehicles Present Cost: ..... \$1,434,268  
 Alternative Fuel Vehicles Present Cost: ..... \$1,578,165  
 Net Cost: ..... \$143,897  
 Percent Change: ..... 10.0%  
 You may opt out of mandates.

Name of Organization: Mesa Unified School District No.4

Address: 549 North Stapley Drive  
 Mesa, Arizona 85203-7297

Contact Name: Michael L. Yonker/Kenneth Stone  
Phone: (602) 898-7809

Total Number of Fleet Vehicles: 673  
 Number of Alternative Fuel Vehicles Required By 12/31/95 (18%): 121  
 Number of Alternative Fuel Vehicles Required By 12/31/96 (25%): 168  
 Number of Alternative Fuel Vehicles Required By 12/31/98 (50%): 337  
 Number of Alternative Fuel Vehicles Required By 12/31/00 (75%): 505

**Fuel Costs**

	<u>\$/GGE*</u>	<u>Alt. Fuel</u>
Cost of Gasoline:	\$0.95	
Cost of Diesel:	\$0.91	
Cost of Alternative Fuel 1:	\$0.75	CNG
Cost of Alternative Fuel 2:	\$0.80	LPG
Cost of Alternative Fuel 3:	\$1.80	M85

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Lower Heating Values**

	<u>BTU/Gal</u>	<u>BTU/Lb.</u>	<u>BTU/cu. ft.</u>
Gasoline	115,000	18,000	
Diesel	128,400	18,000	
Propane	84,500	19,800	
Natural Gas**		21,300	1,028 Approximately
Hydrogen		51,532	
Methanol	56,800	8,570	
Ethanol	76,000	11,500	

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

**Life Cycle Cost & Net Cost Calculations**

<b>Fleet Vehicle Operation Costs Before Alt. Fuel Mandates</b>	Initial or Annual Cost	Escalation Rate (%)	Discount Rate (%)	10 Year Present Cost
Conventional Station Cost	\$0			\$0
Annual Station Operation Cost	\$15,459	2.5%	0.0%	\$173,193
Annual Vehicle Fuel Cost	\$651,119	2.0%	10.0%	\$4,313,888
Annual Vehicle Maint. Cost	\$1,282,586	3.0%	2.0%	\$13,143,879
Vehicle Capital Cost	\$13,925,700			\$13,925,700
Vehicle Salvage Value	\$552,300		10.0%	\$212,936
				\$31,343,703
<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	Initial or Annual Cost	Escalation Rate (%)	Discount Rate (%)	10 Year Present Cost
Alternative Fuel Station Cost	\$2,260,000			\$2,250,000
Annual Station Operation Cost	\$17,000	3.0%	0.0%	\$194,888

**Arizona Administrative Register**

**Notices of Public Information**

Annual Vehicle Fuel Cost	\$641,127	1.0%	10.0%	\$4,088,823
Annual Vehicle Maint. Cost	\$1,689,382	3.0%	0.0%	\$19,366,871
Vehicle Capital/Conversion Cost	\$11,375,700			\$11,375,700
Vehicle Salvage Value	\$315,300		10.0%	\$121,582
				\$37,155,718

Conventional Vehicles Present Cost: .....	\$31,343,703
Alternative Fuel Vehicles Present Cost: .....	\$37,155,718
Net Cost: .....	\$5,812,015
Percent Change: .....	18.5%

You may opt out of mandates.

Name of Organization: Phoenix Elementary School District

Address: 1817 N. 7th Street  
Phoenix, Arizona 85006

Contact Name: Robert W. Zinser

Phone: (602) 257-4003

Total Number of Fleet Vehicles: 79

Number of Alternative Fuel Vehicles Required By 12/31/95 (18%):	14
Number of Alternative Fuel Vehicles Required By 12/31/96 (25%):	20
Number of Alternative Fuel Vehicles Required By 12/31/98 (50%):	40
Number of Alternative Fuel Vehicles Required By 12/31/00 (75%):	59

**Fuel Costs**

	<u>\$/GGE*</u>	<u>Alt. Fuel</u>
Cost of Gasoline:	\$0.98	
Cost of Diesel:	\$0.92	
Cost of Alternative Fuel 1:	\$0.67	CNG
Cost of Alternative Fuel 2:	\$0.00	LPG
Cost of Alternative Fuel 3:	\$0.00	M85

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Lower Heating Values**

	<u>BTU/Gal</u>	<u>BTU/Lb.</u>	<u>BTU/cu. ft.</u>
Gasoline	115,000	18,000	
Diesel	128,400	18,000	
Propane	84,500	19,800	
Natural Gas**		21,300	1,028 Approximately
Hydrogen		51,532	
Methanol	56,800	8,570	
Ethanol	76,000	11,500	

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

**Life Cycle Cost & Net Cost Calculations**

<b>Fleet Vehicle Operation Costs Before Alt. Fuel Mandates</b>	Initial or Annual Cost	Escalation Rate (%)	Discount Rate (%)	10 Year Present Cost
Conventional Station Cost	\$0			\$0
Annual Station Operation Cost	\$972	2.0%	5.5%	\$7,966
Annual Vehicle Fuel Cost	\$65,963	2.0%	5.5%	\$540,582
Annual Vehicle Maint. Cost	\$227,330	3.0%	5.5%	\$1,938,945
Vehicle Capital Cost	\$2,792,332			\$2,792,332
Vehicle Salvage Value	\$271,100		5.5%	\$158,710
				\$5,121,114

**Arizona Administrative Register**

**Notices of Public Information**

<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Alternative Fuel Station Cost	\$150,000			\$150,000
Annual Station Operation Cost	\$2,000	3.0%	5.5%	\$17,058
Annual Vehicle Fuel Cost	\$61,031	1.0%	5.5%	\$479,192
Annual Vehicle Maint. Cost	\$227,330	3.0%	5.5%	\$1,938,945
Vehicle Capital/Conversion Cost	\$3,242,504			\$3,242,504
Vehicle Salvage Value	\$271,100		5.5%	\$158,710
Conventional Vehicles Present Cost: .....		\$5,121,114		\$5,668,988
Alternative Fuel Vehicles Present Cost: .....		\$5,668,988		
Net Cost: .....		\$547,874		
Percent Change: .....		10.7%		

You may opt out of mandates.

Name of Organization: Phoenix Union High School District

Address: 2526 W. Osborn  
Phoenix, Arizona 85017

Contact Name: Tom Piowarsy  
Phone: (602) 271-3340

Total Number of Fleet Vehicles: 232

Number of Alternative Fuel Vehicles Required By 12/31/95 (18%):	42
Number of Alternative Fuel Vehicles Required By 12/31/96 (25%):	58
Number of Alternative Fuel Vehicles Required By 12/31/98 (50%):	116
Number of Alternative Fuel Vehicles Required By 12/31/00 (75%):	174

**Fuel Costs**

	<u>\$/GGE*</u>	<u>Alt. Fuel</u>
Cost of Gasoline:	\$0.98	
Cost of Diesel:	\$0.95	
Cost of Alternative Fuel 1:	\$0.90	CNG
Cost of Alternative Fuel 2:	\$0.00	
Cost of Alternative Fuel 3:	\$0.00	

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Lower Heating Values**

	<u>BTU/Gal</u>	<u>BTU/Lb.</u>	<u>BTU/cu. ft.</u>
Gasoline	115,000	18,000	
Diesel	128,400	18,000	
Propane	84,500	19,800	
Natural Gas**		21,300	1,028 Approximately
Hydrogen		51,532	
Methanol	56,800	8,570	
Ethanol	76,000	11,500	

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

**Life Cycle Cost & Net Cost Calculations**

<b>Fleet Vehicle Operation Costs Before Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Conventional Station Cost	\$0			\$0
Annual Station Operation Cost	\$0	1.4%	5.0%	\$0

**Notices of Public Information**

Annual Vehicle Fuel Cost	\$255,613	2.0%	5.0%	\$2,144,106
Annual Vehicle Maint. Cost	\$155,369	3.0%	5.0%	\$1,359,105
Vehicle Capital Cost	\$0			\$0
Vehicle Salvage Value	\$0		5.0%	\$0
				\$3,503,212
<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Alternative Fuel Station Cost	\$0			\$0
Annual Station Operation Cost	\$0	3.0%	5.0%	\$0
Annual Vehicle Fuel Cost	\$250,742	1.0%	5.0%	\$2,023,413
Annual Vehicle Maint. Cost	\$155,369	3.0%	5.0%	\$1,359,105
Vehicle Capital/Conversion Cost	\$845,000			\$845,000
Vehicle Salvage Value	\$0		5.0%	\$0
				\$4,027,519
Conventional Vehicles Present Cost: .....	\$3,503,212			
Alternative Fuel Vehicles Present Cost: .....	\$4,027,519			
Net Cost: .....	\$524,307			
Percent Change: .....	15.0%			

You may opt out of mandates.

Name of Organization: City of Tempe

Address: P.O. Box 5002  
Tempe, Arizona 85280

Contact Name: Mike Short

Phone: (602) 350-8238

Total Number of Fleet Vehicles: 474

Number of Alternative Fuel Vehicles Required By 12/31/95 (18%):	85
Number of Alternative Fuel Vehicles Required By 12/31/96 (25%):	119
Number of Alternative Fuel Vehicles Required By 12/31/98 (50%):	237
Number of Alternative Fuel Vehicles Required By 12/31/00 (75%):	356

**Fuel Costs**

	<u>\$/GGE*</u>	<u>Alt. Fuel</u>
Cost of Gasoline:	\$1.00	
Cost of Diesel:	\$0.95	
Cost of Alternative Fuel 1:	\$0.85	CNG
Cost of Alternative Fuel 2:	\$1.10	LPG
Cost of Alternative Fuel 3:	\$1.80	M85

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Arizona Fuel Escalation Rates**

Gasoline .....	2.00%
Diesel .....	3.00%
Natural Gas .....	1.00%
LPG (Propane) .....	2.00%
Methanol (M85) .....	0.00%
Ethanol (E85) .....	0.00%

**Lower Heating Values**

	<u>BTU/Gal</u>	<u>BTU/Lb.</u>	<u>BTU/cu. ft.</u>
Gasoline	115,000	18,000	
Diesel	128,400	18,000	
Propane	84,500	19,800	
Natural Gas**		21,300	1,028 Approximately
Hydrogen		51,532	
Methanol	56,800	8,570	
Ethanol	76,000	11,500	

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

**Notices of Public Information**

**Life Cycle Cost & Net Cost Calculations**

<b>Fleet Vehicle Operation Costs Before Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Conventional Station Cost	\$0			\$0
Annual Station Operation Cost	\$0	4.1%	5.6%	\$0
Annual Vehicle Fuel Cost	\$259,453	1.8%	5.6%	\$2,094,676
Annual Vehicle Maint. Cost	\$663,856	4.1%	5.6%	\$5,903,739
Vehicle Capital Cost	\$16,800			\$16,800
Vehicle Salvage Value	\$800		5.6%	\$465
				<b>\$8,014,751</b>

<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Alternative Fuel Station Cost	\$396,747			\$396,747
Annual Station Operation Cost	\$0	4.1%	5.6%	\$0
Annual Vehicle Fuel Cost	\$263,572	1.8%	5.6%	\$2,127,933
Annual Vehicle Maint. Cost	\$681,676	4.1%	5.6%	\$6,062,214
Vehicle Capital/Conversion Cost	\$365,034			\$365,034
Vehicle Salvage Value	\$800		5.6%	\$465
				<b>\$8,951,464</b>

Conventional Vehicles Present Cost: ..... \$8,014,751  
 Alternative Fuel Vehicles Present Cost: ..... \$8,951,464  
 Net Cost: ..... \$936,713  
 Percent Change: ..... 11.7%  
 You may opt out of mandates.

Name of Organization: City of Tolleson  
Address: 9555 West Van Buren  
 Tolleson, Arizona 85353  
Contact Name: Steven J. Baumgardt  
Phone: (602) 936-7111

Total Number of Fleet Vehicles: 60

Number of Alternative Fuel Vehicles Required By 12/31/95 (18%): 11  
 Number of Alternative Fuel Vehicles Required By 12/31/96 (25%): 15  
 Number of Alternative Fuel Vehicles Required By 12/31/98 (50%): 30  
 Number of Alternative Fuel Vehicles Required By 12/31/00 (75%): 45

**Fuel Costs**

	<u>\$/GGE*</u>	<u>Alt. Fuel</u>
Cost of Gasoline:	\$1.14	
Cost of Diesel:	\$1.29	
Cost of Alternative Fuel 1:	\$0.00	CNG
Cost of Alternative Fuel 2:	\$1.07	LPG
Cost of Alternative Fuel 3:	\$0.00	M85

**Arizona Fuel Escalation Rates**

Gasoline .....	2.00%
Diesel .....	3.00%
Natural Gas .....	1.00%
LPG (Propane) .....	2.00%
Methanol (M85) .....	0.00%
Ethanol (E85) .....	0.00%

\* GGE = Gasoline Gallon Equivalent (115,000 BTU)

**Lower Heating Values**

	<u>BTU/Gal</u>	<u>BTU/Lb.</u>	<u>BTU/cu. ft.</u>
Gasoline	115,000	18,000	
Diesel	128,400	18,000	
Propane	84,500	19,800	
Natural Gas**		21,300	1,028 Approximately

**Notices of Public Information**

Hydrogen		51,532
Methanol	56,800	8,570
Ethanol	76,000	11,500

\*\* Natural gas is usually measured in therms. A therm = 100,000 BTU.

**Life Cycle Cost & Net Cost Calculations**

<b>Fleet Vehicle Operation Costs Before Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Conventional Station Cost	\$0			\$0
Annual Station Operation Cost	\$0	3.0%	10.0%	\$0
Annual Vehicle Fuel Cost	\$53,528	1.0%	10.0%	\$341,462
Annual Vehicle Maint. Cost	\$178,000	3.0%	10.0%	\$1,225,306
Vehicle Capital Cost	\$445,156			\$445,156
Vehicle Salvage Value	\$0		10.0%	\$0
				<b>\$2,011,924</b>

<b>Fleet Vehicle Operation Costs After Alt. Fuel Mandates</b>	<b>Initial or Annual Cost</b>	<b>Escalation Rate (%)</b>	<b>Discount Rate (%)</b>	<b>10 Year Present Cost</b>
Alternative Fuel Station Cost	\$100,000			\$100,000
Annual Station Operation Cost	\$25,000	3.0%	10.0%	\$172,094
Annual Vehicle Fuel Cost	\$52,937	1.0%	10.0%	\$337,689
Annual Vehicle Maint. Cost	\$178,000	3.0%	10.0%	\$1,225,306
Vehicle Capital/Conversion Cost	\$493,156			\$493,156
Vehicle Salvage Value	\$0		10.0%	\$0
				<b>\$2,328,245</b>

Conventional Vehicles Present Cost: .....	\$2,011,924
Alternative Fuel Vehicles Present Cost: .....	\$2,328,245
Net Cost: .....	\$316,321
Percent Change: .....	15.7%

You may opt out of mandates.