



***Fuels, Infrastructure, & Fleets:
E85 & Propane***

***Houston Clean Cities
Advancing the Choice***

***Isabel C. Martinez
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- ***Headquartered in Georgetown, Texas***
- ***Established in 1993***
- ***CF-USA***
 - ***Manufacturer motor fuel dispensers and fueling infrastructure - LPG & E85***
 - ***Provides fuel supply services, contracts***
 - ***Owns or franchises 38 fueling locations in California, Arizona & Texas. 20 additional locations over the next 12 months***
 - ***Develops liquid propane engine fuel injection systems***



CLEANFUELUSA E85/Propane Fueling Site

Bexar County Fleet Maintenance Facility

San Antonio, Texas



What is E85?

- Motor fuel consisting of 85% ethanol, 15% gasoline.
- Domestically produced – supports U.S. farmers.
- E85 has the highest oxygen content of any fuel
 - Burns cleaner than gasoline
- Over 400,000 FFVs on Texas roads.

E85 as a Fuel

- ***Flexible fuel vehicles available by many major vehicle manufacturers***
 - ***Daimler Chrysler***
 - ***Ford***
 - ***General Motors***
 - ***Isuzu***
 - ***Mazda***
 - ***Mercedes***
 - ***Mercury***
 - ***Nissan***



Check out www.e85fuel.com for more information.



CleanFUEL USA Distribution and Management focuses on providing comprehensive alternative fuel management and supply programs. These programs includes E85, E10, biodiesel & propane LPG fuel supply and distribution; E85 ethanol and propane LPG dispensers; all-in-one skid-mounted mobile turnkey fueling sites; comprehensive site controllers with corresponding software that will seamlessly tie into any fleet fuel management services program, manage all proprietary fleet fueling cards as well as MC/Visa and will track petroleum displacement and emission reductions.





Five Steps to Alternative Fuel

- 1. Get the Word***
- 2. Does your Fleet (or customers) match the fuel ?***
- 3. Infrastructure Equipment***
- 4. Fuel Supply and Distribution***
- 5. Maintain Program Success***

Refueling Stations



Permanent station with
below ground tanks



Completely mobile skid-mounted unit



LIQUIDPROPANEINJECTION





Propane

- *Propane is the #1 alternative fuel worldwide with approximately 10 million vehicles using propane as motor fuel.*
- *The characteristics of propane are the most similar to gasoline than any other alternative fuel. Typically, propane achieves an approximate 10% loss in fuel economy.*
- *As a motor fuel, propane has an excellent safety record.*





Liquid Propane Injection

- ***Liquid Propane Injection System is a direct replacement of the OEM gasoline injection system.***
 - ***Replaces gasoline fuel tank, fuel pump, and injector rails with propane fuel tank, fuel pump, and injector rails.***



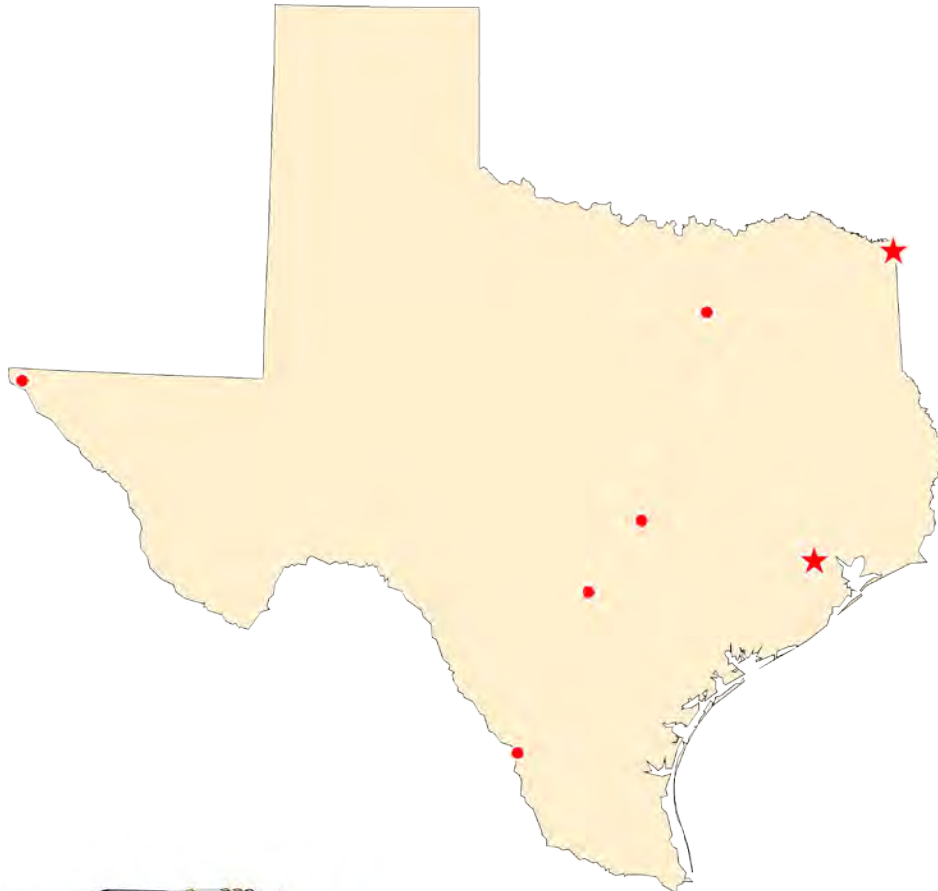


Liquid Propane Injection

Available for GMC & Chevrolet: C4500, C5500, C6500, C7500, & C8500 models.

- Installed by GM recognized installer.***
- Sold through qualified & trained GM medium truck dealers.***





Certified Master Dealer



★ **Master Dealers** ● **Service Locations**

•Texarkana

•Houston

•Dallas

•Austin

•San Antonio

•El Paso

•Laredo





Liquid Propane Injection

- ***New Qualified Alternative Fuel Motor Vehicle Credit***
 - ***LPI qualifies for 80% tax credit***
- ***Volumetric Excise Tax Credit for Alternative Fuels***
 - ***\$0.50 per gallon credit***





LPI – Cost Effectiveness

Engine		8.1L Gas LPI <i>Liquid Propane</i>	8.1L Gas <i>Gasoline</i>	7.8 Liter <i>Diesel</i>
Horsepower		295 HP	295 HP	230 HP
Torque		440 lb. ft.	440 lb. ft.	620 lb. ft.
			Std. Option	
Engine Option Price MSRP	*	\$2,093	\$0.00	\$17,789
Miles per Gallon		5.00	5.60	7.60
Miles per Year		25,000	25,000	25,000
Gallons per Year		5,000	4,464	3,289
Fuel Price per Gallon	**	\$1.75	\$2.85	\$2.80
Annual Fuel Cost		\$8,750	\$12,723	\$9,211
7 Year Fuel Cost		\$61,250	\$89,063	\$64,474
Total Cost - Fuel & Engine Option		\$63,343	\$89,063	\$82,263
Total 7 Year Savings		\$25,720	\$0	\$6,800
Total 7 Year Mileage		175,000	175,000	175,000
Total Cost per Mile		\$0.3620	\$0.5089	\$0.4701
LPI Savings vs. Diesel - 7 Year Total		\$18,919.68		
LPI Savings vs. Diesel - Annual		\$2,702.81		
LPI Savings vs. Diesel - Fuel Only		\$461		
* LPI MSRP reflects 80% Tax Credit				
** LPI reflects \$0.50 per gallon Federal Tax Credit				





Liquid Propane Injection

- *LPI fuel system meets OEM Power & Torque output*
- *Compliments the 8.1 Liter Engines Strong Torque Rise*
- *Liquid Propane Injection (LPI) does not exhibit the power & torque loss of vapor injection systems.*
- *Excellent cold weather start and go without warm-up period*

GM 8.1 Liter Engine Full Load Comparisons





Warranty

- ***CLEANFUEL USA matches the Engine OEM Warranty with a.....2 Year / Unlimited Mileage Warranty***





*Blue Bird
Propane Vision
School Bus*

*ROUSH
Dedicated Propane
5.4L F-150*





LIQUIDPROPANEINJECTION

Isabel Martinez

(512) 585-8263

isabel@cleanfuelusa.com