



## San Diego Clean Cities Coalition Biofuels Event

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[www.propelfuels.com](http://www.propelfuels.com)



# Changing the Way America Fuels

The US imports 70% of our nation's oil from other countries – that's 500 billion dollars leaving our economy each year.

Fleets deserve another option.  
**That's where Propel renewable fuels come in.**





# About Propel Fuels

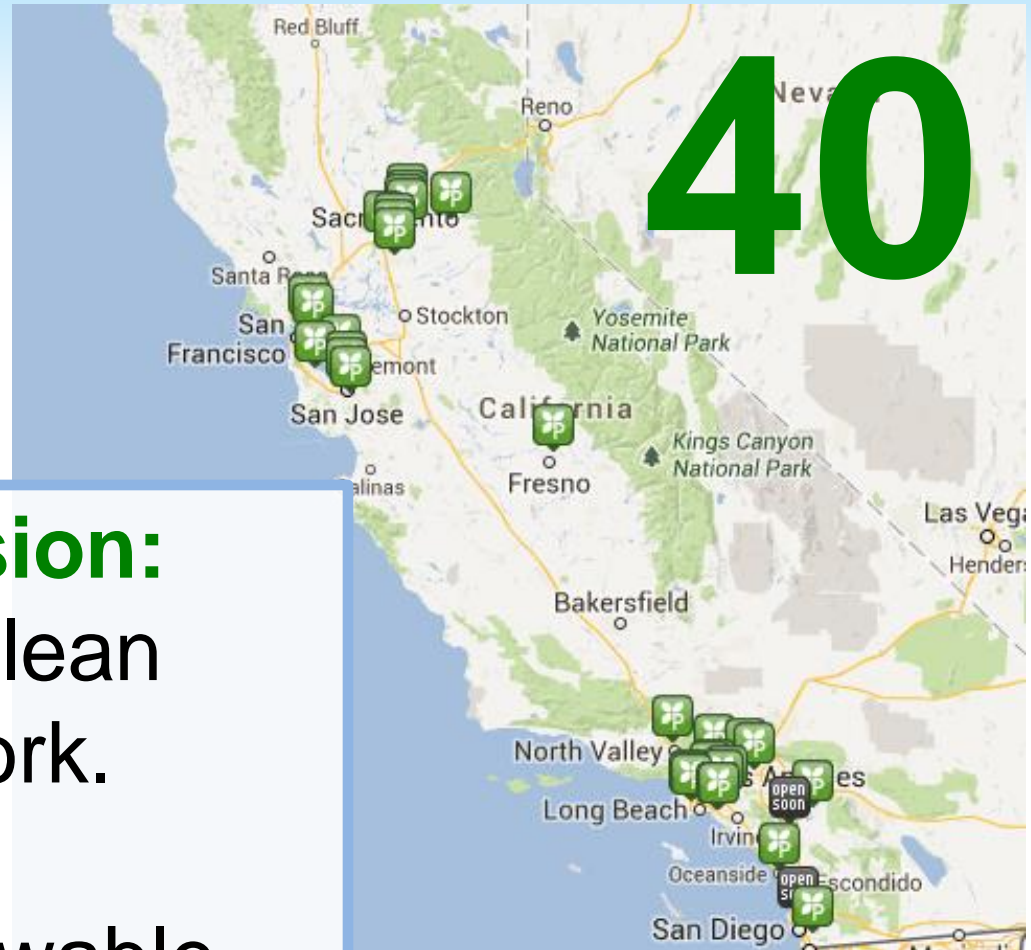
- Leading renewable fuel retailer in California
- Opened first CA Station 2008
- 45 Stations on West Coast
- Current fuels: E85 & B20 biodiesel





**Propel's Mission:**  
The Largest Clean  
Mobility Network.

Leading Renewable  
Fuel Brand.







# Our Products

Today's Renewable Fuels:

**FlexFuel E85**  
P U R E F O R M A N C E  
**Biodiesel**  
P U R E F O R M A N C E

Tomorrow's Renewable Fuels:

Cellulosic, Algae,  
Waste-Based Fuels  
Renewable Diesel

# Creating Public Access...

## Grant Program 100 Stations

**California Goals (LCFS)**  
**10% reduction in CI by 2020**

**EPA Act Govn't Mandate**



U.S. DEPARTMENT OF  
**ENERGY**



# Clean, Low-Carbon, American Fuels

## FlexFuelE85

- Made from No. 2 corn, cellulose and waste sources
- 20-40% fewer CO<sub>2</sub> emissions\*
- 30% fewer carbon monoxide emissions
- 50% less cancer-causing particulate matter (PM) emissions

## Biodiesel

- Made from soy oil, waste grease, tallow, canola oil
- 20-80% fewer CO<sub>2</sub> emissions compared to petro-diesel\*
- 50-90% fewer cancer-causing compounds
- 30-40% reduction in Air Toxins



Reduce dependence on foreign oil: 13 billion/gal/yr



Support American farmers & new jobs: 400,000 jobs



Strengthen the domestic economy: \$50 billion to GDP

\*Source: US EPA, lifecycle GHG analysis, 2009

The logo for Propel, featuring a stylized green leaf icon to the left of the word "Propel" in a white, sans-serif font. The logo is set against a green background that is part of a larger graphic of a gas pump nozzle and handle.

# Increased Performance

## FlexFuelE85

- Higher octane 98+
- Burns cooler for increased engine life and performance (horsepower and torque)
- Fewer engine deposits mean less vehicle maintenance
- Faster acceleration equivalent to ~20% more power

## Biodiesel

- Increased lubricity =
- Reduced engine wear
- Less frequent oil changes
- No need for costly additives (saved \$.05-\$.20 per gallon)
- Fuel economy with B5 and B20 is similar to standard petroleum diesel



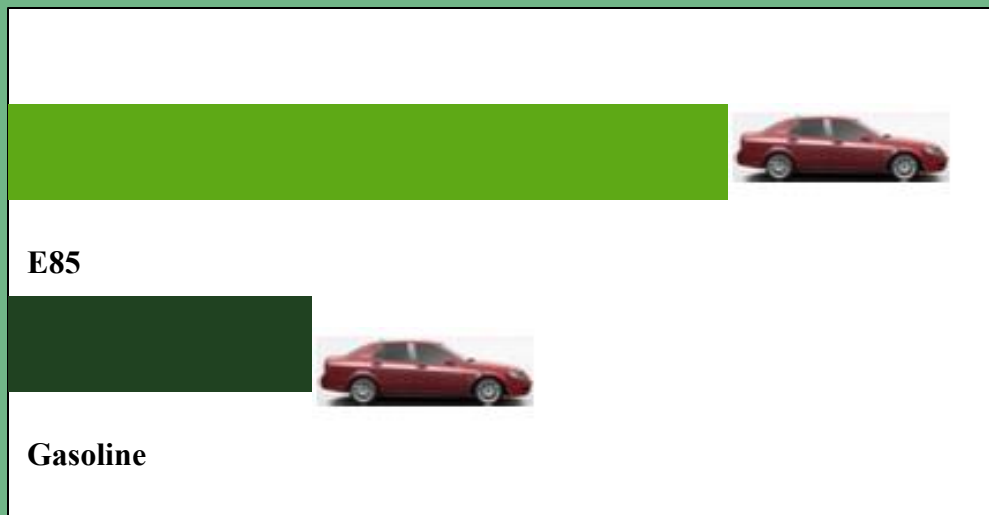
Propel

E85  
Biodiesel



# Performance with E85

## US DOE Oak Ridge National Lab Data



### Saab 9-5 Full acceleration from 40-70mph

Source: US Department of Energy, Fuels, Engines and Emission Research Center, Oak Ridge National Laboratory May 2007

## Results

- E85 vehicle reached target speed 2 seconds (500ft) faster
- Equates to 20% more power (180 horsepower vs. 150 horsepower)

Propel

E85  
Biodiesel

# Warranty. Guarantee. Sustainability.

**FlexFuel E85**  
PURE PERFORMANCE

**Biodiesel**  
PURE PERFORMANCE

- Fuel blends compatible with all Flex Fuel-capable and diesel vehicles
- We stand behind our fuels 100% -- We offer the highest-quality clean fuels available
- Propel provides customers the most local and sustainable fuels that meet cost and quality standards



# Renewable Fuels & Fleets

## Public Fleets

USPS, CalTrans, State and  
Federal Fleets, Veteran's Affairs

## Private Fleets

Hertz & Enterprise Rental Cars  
Summit Airworks  
Judi's Cleaners  
Junk King  
Towing Fleets



# Government Supported Fuels

## Energy Policy Act (EPACT) Compliance

“Section 701 of EPACT 2005 requires Federal agencies to use alternative fuels in fleet dual-fuel vehicles is the fuel is available within five miles or 15 minutes...”

\*Source: US Department of Energy Federal Management Program (FEMP) Fact Sheet, 2008

# FEMP

## Federal Energy Management Program

### Fact Sheet

Leading by example, saving energy and taxpayer dollars in Federal facilities and fleets.

### Federal Fleet Requirements

EPACT and E.O. 13423: How Do Federal Fleets Comply?

The Federal Fleet initiative is shaped by the requirements of Title III of the Energy Policy Act (EPACT) of 1992, as amended by EPACT of 2005, and Executive Order (E.O.) 13423. Under Title III of EPACT 1992, 75% of a Federal fleet's covered light-duty vehicle (LDV) acquisitions in U.S. metropolitan areas must be alternative fuel vehicles (AFVs). Agencies receive credits for each light-, medium-, or heavy-duty AFV they acquire each year and for biodiesel (typically used in B20, a blend of 20% biodiesel, 80% petroleum diesel) used in fleet vehicles. Table 1 lists the number of credits agencies are awarded for AFVs and biodiesel use.



EPACT Section 701 and E.O. 13423 require Federal agencies to use alternative fuel in AFVs. Here, a driver fills a government Honda GX with compressed natural gas.

Table 1. EPACT Credit Structure

Credits Awarded	Situation
1	Dual-fuel (flexible or bi-fuel) vehicles, regardless of vehicle size class as long as the vehicle meets the AFV definition of EPACT 1992, as amended by EPACT 2005
2	Dedicated light-duty AFVs
3	Dedicated medium-duty AFVs
	Dedicated heavy-duty AFVs
	Every 450 gallons of pure biodiesel (equivalent to 2,250 gallons of B20) used in fleet vehicles. Caps at 50% of EPACT requirements.

Section 701 of EPACT 2005 requires Federal agencies to use alternative fuels in fleet dual-fuel vehicles (flexible or bi-fuel) if the fuel is available within five miles or 15 minutes and does not cost more than gasoline on a per-gallon basis.

In addition to Title III and Section 701 requirements, Federal agencies must also comply with E.O. 13423, which was issued by President Bush in January 2007 and revoked E.O. 13149. Under E.O. 13423, agencies are required to:

- Reduce petroleum consumption by 2% annually through fiscal year (FY) 2015 compared to their FY 2005 baseline value.
- Increase alternative fuel use by at least 10% compounded annually through FY 2015 compared to their FY 2005 baseline value.

### Who Is Covered?

Court Services and Offender Supervision  
General Services Administration  
National Aeronautics and Space Administration  
Smithsonian Institute  
Social Security Administration  
U.S. Department of Agriculture  
U.S. Department of Commerce  
U.S. Department of Defense  
U.S. Department of Energy  
U.S. Department of Health and Human Services  
U.S. Department of Homeland Security  
U.S. Department of Housing and Urban Development  
U.S. Department of the Interior  
U.S. Department of Justice  
U.S. Department of Labor  
U.S. Department of State  
U.S. Department of Transportation  
U.S. Department of Treasury  
U.S. Department of Veterans Affairs  
U.S. Environmental Protection Agency  
U.S. Postal Service



U.S. Department of Energy  
**Energy Efficiency  
and Renewable Energy**  
Bringing you a prosperous future where energy  
is clean, abundant, reliable, and affordable.

Propel

E85  
Biodiesel



# Convenient Access and Payment

- Chula Vista, CA
- Kearny Mesa Rd (San Diego)
- Oceanside, CA (2 locations)
- San Marcos, CA

**All Major Fleet  
Cards Accepted**



# Propel CleanDrive Fleet Card

featuring the  
**Volume Rebate Program**

- Save up to 5¢ per gallon (beginning at 500 gals/month)
- Fuel in and out of network
- Manage your fleet & control fueling costs
- Monitor and report on your environmental impact



# CleanDrive® CO<sub>2</sub> Reporting

## CleanDrive Program Emissions Reporting

- ✓ Track emission reductions associated with and the positive social impact of using low-carbon fuels
- ✓ Compatible with entire Propel station network
- ✓ Compliance reporting for public agencies & green businesses

CleanDrive users have collectively saved:  
**81,590,015**  
lbs of CO<sub>2</sub>

Using petro-diesel, CleanDrive users would have created:

284,680,501.3 lbs CO<sub>2</sub>

By using clean fuels, CleanDrive users created:

203,090,486 lbs CO<sub>2</sub>

[How was this calculated?](#)

Using clean fuels, CleanDrive users have reduced:  
**5,307,218.6**  
gallons of imported oil



Each gas can represents 10 gallons of oil

[How was this calculated?](#)

Using clean fuels, CleanDrive users have displaced:  
**199,790.74**  
barrels of oil



Every barrel of petroleum displaced provides additional income and stability for local farmers

1 barrel of oil is 42 gallons.

[How was this calculated?](#)

CleanDrive users' CO<sub>2</sub> reductions from using clean fuels has the equivalent annual impact of:

**6,270,607**





Chula Vista, CA





Kearney Mesa



## Fleet Customers in Chula Vista

American Towing



Anthony's Auto Center



USPS





# Benefits of Partnership

- **Government Supported:** Use of renewable fuels is government mandated when fuels are within a 5-mile or 15-minute drive
- **Increased Vehicle Performance:** High-octane Flex Fuel E85 offers increased power; higher-cetane, lubricating biodiesel facilitates easier engine starting and smoother operation
- **Affordable:** Flex Fuel E85 and biodiesel are affordably priced with their petroleum-based counterparts
- **Auditable Emissions Reporting:** CleanDrive program tracks emissions reductions and enhances compliance reporting
- **Convenient Access:** multiple locations in Greater San Diego area; 24/7 access to fuels; ease of ingress/egress for large vehicles (ie Towing Vehicles, etc)





# Thank You!

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