



ALTERNATIVE FUELS COALITION OF CONNECTICUT

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Submitted Comment by:
T. Michael Morrissey
On behalf of the:
Alternative Fuels Coalition of Connecticut

Governor's Council on Climate Change (GC3) Meeting
October 19, 2016
1:30 PM - 3:30 PM
Connecticut Department of Energy and Environmental Protection
Gina McCarthy Auditorium
5th Floor 79 Elm Street Hartford, Connecticut

October 28, 2016

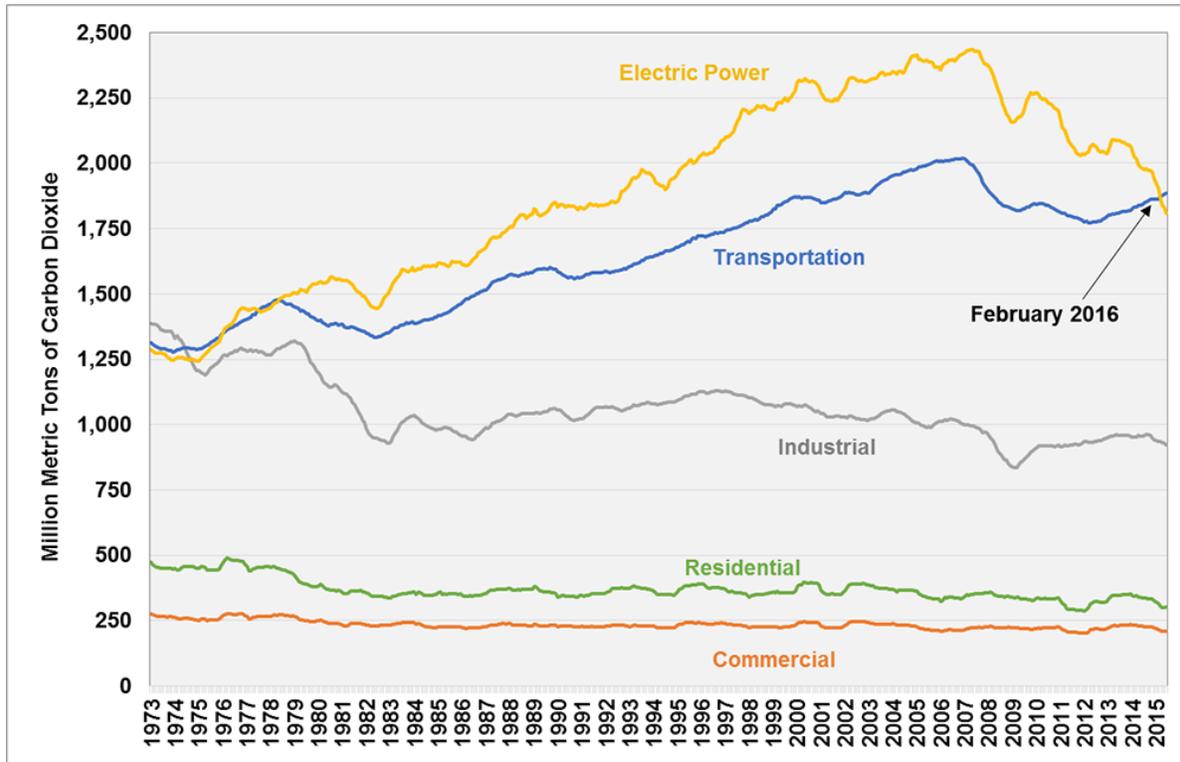
Dear Council Members:

Thank you for providing me with the opportunity to speak to you last week. I would like to use time to communicate my thoughts to you in writing.

During the last meeting, a member of your Council, Don Strait, suggested that more time be committed to studying the transportation sector and I could not agree more. We all know, 40% of all GHG emissions are caused by the transportation sector and making improvements here would give us all a "Bigger Bang for our Buck"! Ironically, almost concurrent with your meeting, the US Department of Energy published the following fact on their website;

**FACT #948: OCTOBER 24, 2016 CARBON DIOXIDE EMISSIONS FROM
TRANSPORTATION EXCEEDED THOSE FROM THE ELECTRIC POWER SECTOR FOR
THE FIRST TIME IN 38 YEARS**

SOURCE OF DATA [HERE](#)



The Transportation Sector and its related “Wedges” remain a real problem. We have again entered into a period of cheaper petroleum prices and as one would expect, the trend above is now getting worse. Don Strait is correct; your membership needs to provide more focus on the Transportation area to achieve immediate and interim emission targets.

LPGAS MAGAZINE Feature Article “What a Ride” (Addendum)

In this feature article of one of our major trade magazines, the article studies how the school bus market has become one of the industry’s greatest success stories. I was extremely proud to point out that the State of Connecticut harbors the fourth largest fleet of propane buses in the nation with the City of Waterbury’s recent adoption of 149 propane powered school buses.

PROPANE NOW THE US’ SECOND LARGEST PETROLEUM PRODUCT EXPORT (Addendum)

Although this may be great news if you are a company who exports propane, it is disconcerting if you are a domestic marketer of propane. At the moment, we have more propane than we know what to do with so the excess is now being exported when it could be used to displace gasoline and diesel fuel with an environmental benefit to our nation. Keeping propane at home will create jobs and domestic prosperity if we can expand its use in the transportation sector.

PRIDE STATION – JENNINGS ROAD – HARTFORD CT

It was a pleasure to introduce Jim Channing, Chief Counsel for Pride Stores of Springfield MA. The new station they are building is unique and we believe a first of its kind on the entire Eastern Seaboard. What makes this project special is its commitment to alternative fuels. The alternative fuels available at this station will be;

- Hydrogen offered by a joint venture of Toyota and Air Liquide
- Propane offered by Hocon Gas
- EV Charging Stations
- A reserve island(s) for natural gas

We are proud to be part of this project and we hope that state, municipal and private fleets will appreciate the conveniences of these alternative fuels under one roof and support it in the future.

Sincerely,

T. Michael Morrissey
Director of Government Affairs – Business Development

**** PROPANE ~ THE CLEANEST FOSSIL FUEL KNOWED TO MANKIND ****

Why Propane Makes Sense Now

- ***It is a clean fuel containing no harmful methane molecules and its related infrastructure allows no tolerance for leaks.***
- ***It is the third leading transportation fuel in the world with over 25 million vehicles operating on it today.***
- ***It is abundant and almost 100% of it is produced in our nation. Almost 75% of it is harvested from the same underground natural gas reserves. Unlike natural gas which requires an infrastructure of pipelines, it is economically available to everyone everywhere due to its portability nature.***
- ***It is non-toxic and insoluble in water & presents no hazards to soil or groundwater.***
- ***It is a premium transportation fuel offering an octane rating of 105 allowing better engine performance and long term engine durability.***
- ***It is flexible and can be used for both on road and off road applications.***

ADDENDUM

THE PROPANE INDUSTRY'S PREMIER INFORMATION SOURCE | www.LPGASmagazine.com

» OCTOBER 2016

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What a ride!



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How the school bus market has become one of the propane industry's greatest success stories

VOLUME 76 NUMBER 10

Top propane school bus accounts

A number of school districts across the United States favor propane as a fueling option. To provide a sampling of these market successes across multiple states, *LP Gas* selected the school districts that have shown a strong commitment to propane autogas.

ALABAMA

Mobile County Public School District

Location: Mobile
Number of propane buses: 80
Bus type: Blue Bird Vision
Fuel system: Roush CleanTech

ARIZONA

Kyrene School District

Location: Tempe
Number of propane buses: 110
Bus type: Blue Bird Vision
Fuel system: Roush CleanTech

CALIFORNIA

Los Angeles Unified School District

Location: Los Angeles
Number of propane buses: 425
Bus type: Blue Bird Vision, Thomas Saf-T-Liner, Collins Nexbus
Fuel system: CleanFuel USA, Roush CleanTech
Contractor: Student Transportation of America, First Student, National Express/Durham School Services

COLORADO

Mesa County Valley School District

Location: Grand Junction
Number of propane buses: 92
Bus type: Blue Bird Vision
Fuel system: Roush CleanTech

CONNECTICUT

Waterbury Public Schools

Location: Waterbury
Number of propane buses: 149
Bus type: IC Bus CE Series
Fuel system: Power Solutions International
Contractor: National Express/Durham School Services

FLORIDA

Broward County Public Schools

Location: Fort Lauderdale
Number of propane buses: 135
Bus type: Blue Bird Vision
Fuel system: Roush CleanTech

GEORGIA

Bibb County School District

Location: Macon
Number of propane buses: 58
Bus type: Blue Bird Vision
Fuel system: Roush CleanTech

INDIANA

Indianapolis Public Schools

Location: Indianapolis
Number of propane buses: 100
Bus type: IC Bus CE Series
Fuel system: Power Solutions International

MASSACHUSETTS

Boston Public Schools

Location: Boston
Number of propane buses: 142
Bus type: Blue Bird Vision
Fuel system: Roush CleanTech

MINNESOTA

St. Francis School District

Location: St. Francis
Number of propane buses: 46
Bus type: Thomas Built Saf-T-Liner C2, Blue Bird Vision
Fuel system: CleanFuel USA, Roush CleanTech

NEBRASKA

Metropolitan Omaha Education Consortium

Location: Omaha

Number of propane buses: 461

Bus type: Blue Bird Vision
Fuel system: Roush CleanTech
Contractor: Student Transportation of America

NEVADA

Washoe County School District

Location: Reno
Number of propane buses: 47
Bus type: Blue Bird Vision, Micro Bird
Fuel system: Roush CleanTech

OHIO

Cleveland Metropolitan School District

Location: Cleveland
Number of propane buses: 49
Bus type: Blue Bird Vision
Fuel system: Roush CleanTech

OREGON

Tigard-Tualatin School District

Location: Tigard
Number of propane buses: 78
Bus type: Blue Bird Vision, Micro Bird
Fuel system: Roush CleanTech
Contractor: Student Transportation of America

PENNSYLVANIA

Gateway School District

Location: Monroeville
Number of propane buses: 59
Bus type: Blue Bird Vision
Fuel system: Roush CleanTech
Contractor: Student Transportation of America

TEXAS

Dallas County Schools

Location: Dallas
Number of propane buses: 397
Bus type: Blue Bird, Thomas Built
Fuel system: CleanFuel USA

Northside Independent School District

Location: Leon Valley
Number of propane buses: 396
Bus type: Blue Bird Vision
Fuel system: Roush CleanTech, CleanFuel USA

WISCONSIN

Milwaukee Public Schools

Location: Milwaukee
Number of propane buses: 59
Bus type: Blue Bird Vision
Fuel system: Roush CleanTech
Contractor: Lamer Bus Lines

PHOTO COURTESY OF HOCON GAS

Hocon Gas installed an 18,000-gallon tank for Waterbury Public Schools in Waterbury, Connecticut.



Propane now US' second-largest petroleum product export

From staff reports Published 4:57 pm, Wednesday, September 28, 2016



The Galena Park Marine Terminal is one of only two commercial propane export facilities in the U.S. Gulf Coast, according to Targa Resources. Targa Resources, a provider of midstream natural gas and NGL services, is being recognized in the Chronicle 100 special section.

Propane is now the second-largest U.S. petroleum product export, surpassing motor gasoline, the Energy Information Administration reported Wednesday.

U.S. propane exports increased from 562,000 barrels per day in the first half of 2015 to 793,000 bpd in the first half 2016. Exports to Asia and Oceania accounted for 94 percent of this growth. Japan imported the most U.S. propane at 159,000 bpd in the first half of 2016, an increase of 111,000 bpd from 48,000 bpd in the first half 2015. Exports to Panama, however, fell from 41,000 bpd in the first half 2015 to 7,000 bpd in the first half 2016, according to the report.

The EIA said the large increases in exports to Japan and the significant drop to Panama might be explained by reduced ship-to-ship transfer activity.

"Transfers on the Atlantic Ocean side of the Panama Canal likely involve moving cargo from a ship too large to transit the canal onto a slightly smaller ship that can make the passage," according to an EIA report released in April. "Once through the canal, the smaller ship will either continue on to Asia or transfer the cargo back to a larger ship to complete the journey."

As a result, some data represent delivery to the transfer site — such as Panama, Aruba and the Dominican Republic — and not the final destination, which can skew the actual final destination numbers. A Panama Canal construction project to accommodate larger vessels recently was finished, and there have been fewer propane transfers.

Demand for propane in Asia is driven largely by an expanding petrochemical industry that uses propane as a feedstock, as well as other industrial and consumer heating and cooking demand, according to the April report.

Wednesday's report also said Mexico (775,000 bpd), Canada (579,000 bpd) and the Netherlands (271,000 bpd) received the significant volumes of U.S. petroleum products in the first half of 2016.

Gasoline exports increased 138,000 bpd in the first half of 2016 compared with the first half of 2015. Mexico represents the largest single recipient of U.S. gasoline exports at 363,000 bpd, up from 283,000 bpd in the first half of 2015, the EIA said.