



Hydrogen
The future of transportation

Shell
Hydrogen



HYDROGEN
WARNING
FLAMMABLE, HIGH PRESSURE GAS, NO SMOKING,
NO OPEN FLAME, USE IN ACCORDANCE WITH
ALL PRODUCTS MATERIAL SAFETY DATA SHEET

FUEL CELL



Zero Emission Bus Transit Agencies

Battery and Fuel Cell



Frito-Lay Cutting Oil Use by 50%



2015: UPS Said It Will Build 15 More Natural Gas Stations – Bought More NG Trucks Than Diesels



Hybrid Trucks Can Cut Fuel Use by 20-30%



Cummins Westport New Ultra Low NOx Engine



**90% lower NOx than the current federal
standard
“near zero”**

Renewable (Methane) Natural Gas is a Proven Technology



Fair Oaks Farm in Indiana Powers Its Trucks on Renewable Natural Gas

New Product: CAT Hybrid Excavator – Fuel Savings Up to 50%



NAFA[®]

SUSTAINABLE FLEET STANDARD

*Developed in collaboration
with CALSTART*

*4 Tiered Fleet
Standard –
Applicable to fleets of
any size*



The LEED for Fleets

<http://www.nafa.org/about-nafa/nafa-sustainable-fleet/>

\$2.5 Billion/Year



Need to maximize “co-benefit: 1) Air Quality; 2) Economic Development; 3) benefitting Disadvantaged Communities

What is Slowing the Spread of this New Technology?

- Low oil prices are not our friend**
- We need to get serious about a price signal policy that is politically viable and addresses the economic justice issues**



Cleaner And Better



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