



**Freedom CNG<sup>®</sup>**

*New power for the road ahead*

April 2016

**“The Clean Air Dividend & Sustainability”**

# Why CNG? It's Cleaner...



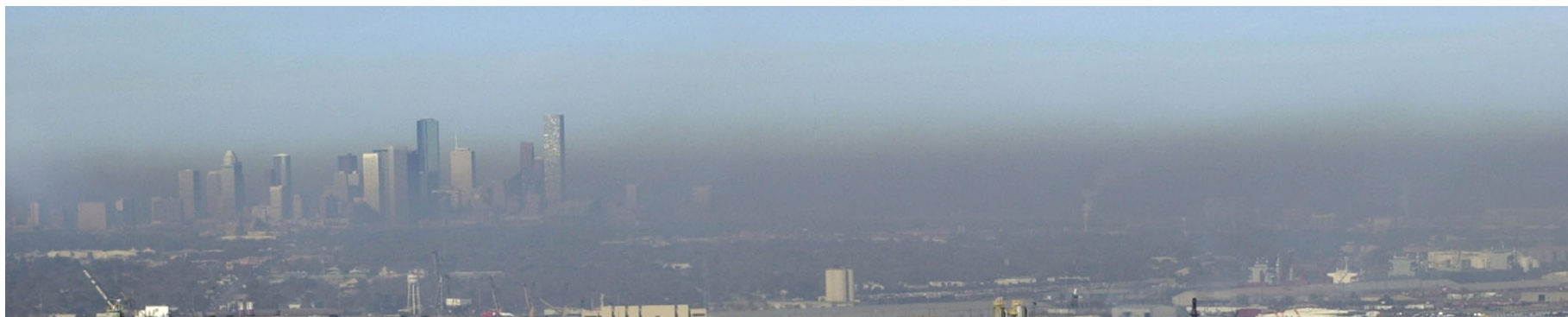
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# Question? Cleaner Air?



- Are you a Corporation, Business, Municipality, City, State Entity in the Houston Metropolitan Area?
- Does your entity want to improve air quality, produce local jobs, meet new sustainability goals and ultimately reduce operating costs long-term?

# Question? Better Health?



“High concentrations of nitrous-oxide emissions are linked to elevated rates of respiratory diseases and cancer in cities with large diesel fleets.” Bloomberg article 3-2016

“NOx has direct and indirect effects on human health. It can cause breathing problems, headaches, chronically reduced lung function, eye irritation, loss of appetite and corroded teeth. Indirectly, it can affect humans by damaging the ecosystems they rely on in water and on land—harming animals and plants.” Phys.Org Sept. 2015

“Exposure to air pollution from high-density urban traffic is an important public health issue.” EHP November 2015



Houston needs to  
reduce diesel usage.

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# Why CNG? It's Cleaner...



CNG next Exit



*Yielding "Clean Air Dividends"  
every day!*

303 Fallbrook Dr.  
Houston, TX 77038

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# Why CNG? It's Cleaner...

## It's Cleaner...



### Compressed Natural Gas

Compared to **gasoline**  
or **diesel**



Converting one trash  
truck from diesel to  
CNG is equal to taking  
325 cars off the road.



Carbon dioxide

Reduced emissions

**20-30%**



Carbon monoxide

Reduced emissions

**70-90%**



Nitrogen oxide, the reddish brown layer you see over cities

Reduced emissions

**75-95%**



Reduced emissions

**90%**

Discrete mass, solid or liquid matter dispersed in emissions



Volatile organic compound

Reduced emissions

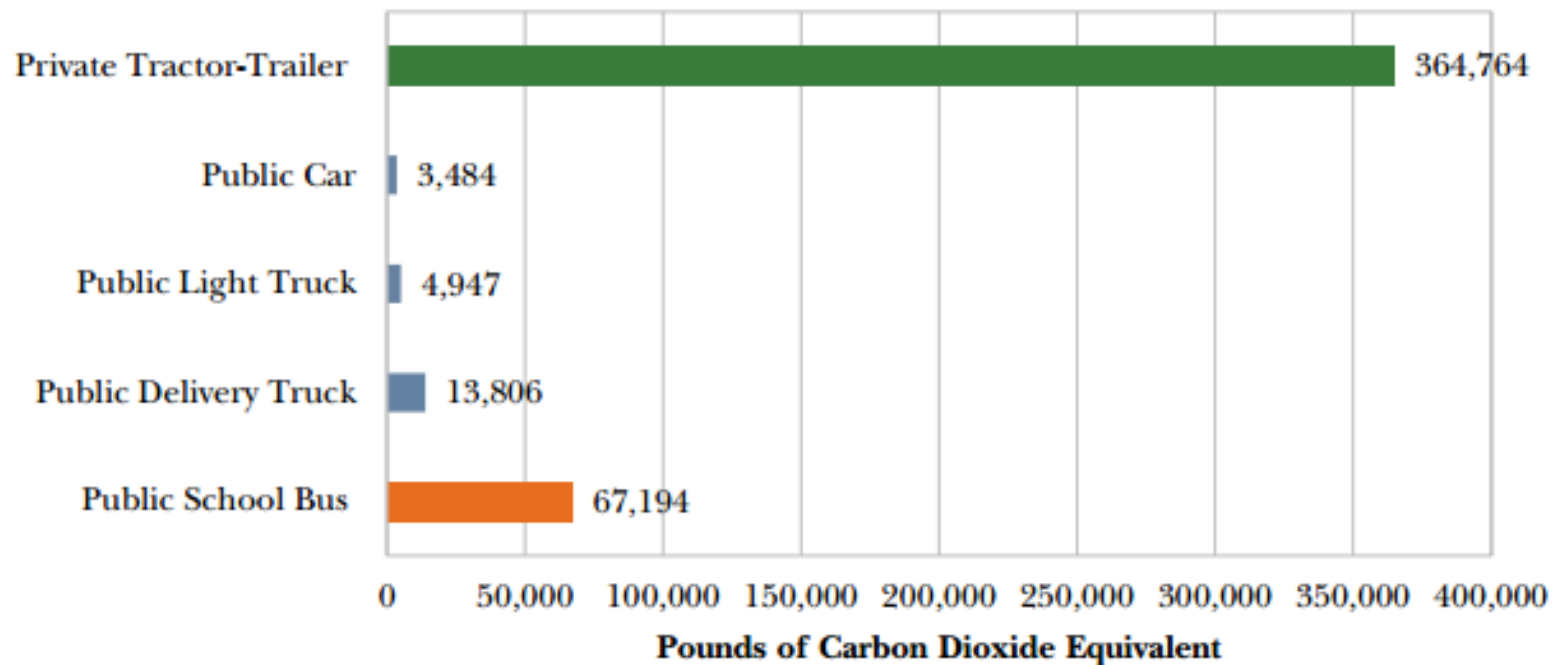
**89%**

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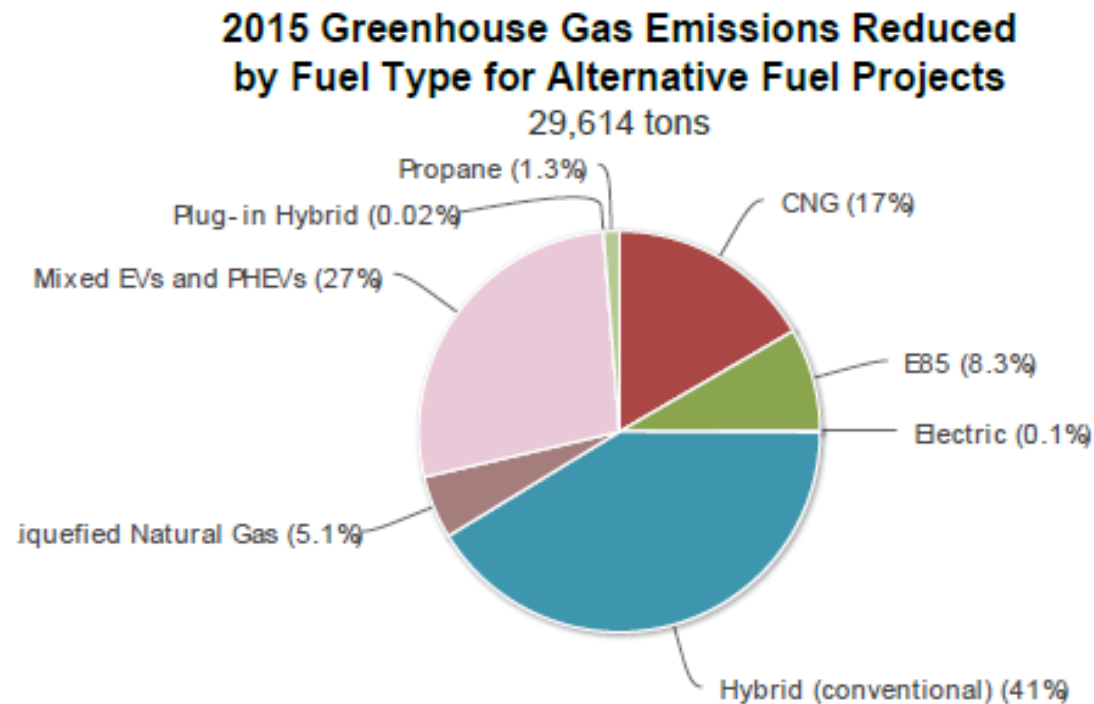
## Vehicle lifetime Greenhouse Gas Emission Reduction Using CNG



Source: American School Bus Council. "Environmental Benefits"; U.S. Energy Information Administration. "Freight Transportation Use, Reference case"; U.S. Department of Transportation, Federal Highway Administration, "Highway Statistic Series 2012 – January 2014 Table MV-7"; U.S. Department of Transportation, Federal Highway Administration, "Highway Statistic Series 2012 – January 2014 Table VM-1"; U.S. Department of Energy Alternative Fuels Data Center. "VICE Model 2.0."

# Why CNG? It's Cleaner...

## Houston-Galveston Clean Cities - TX



Source: Cities of Houston and Galveston  
2015 Annual Report



# Why CNG? It's Cleaner; Sustainability.

## In line with Sustainability Programs



**GET MONEY TO UPGRADE OR  
REPLACE YOUR TRUCK OR  
EQUIPMENT—AND CLEAR THE AIR!**



Drive Clean Across Texas



**Natural gas is Cleaner...**

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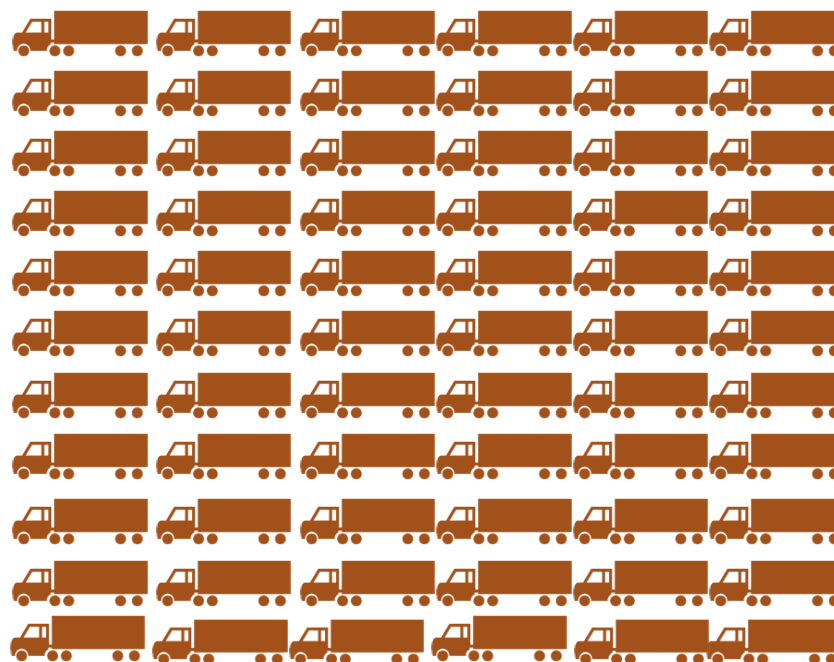
# Why CNG? It's Cleaner...

## Clean Air Dividend



**1 Old Diesel**

=



**= Many new CNG trucks**

Replacing an old diesel truck with a CNG truck is much cleaner  
Plus it eliminates the need for DEF and SCR filters!

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# What other's are saying.



"UPS sees 40% Savings by Switching to Long-Haul Fleet to Natural Gas"

--Bloomberg News



"FedEx is going green with cheaper natural gas. The CEO says 30% of company's long-distance trucks could make the switch within 10 years."

--Top Stocks



"P&G to Convert 20% of its for-hire truck loads to natural gas. P&G invests in growth of natural gas industry by awarding loads to eight natural gas carriers."

--P&G Newsroom



"Our goal is to replace all of our diesel-powered dedicated fleets with natural gas trucks by the end of 2017"

--Steve Palmer, VP of transportation, Transport Topics



"Alternative fuel vehicles make up close to 10% of Coca-Cola's heavy-duty truck holdings, with plans to double this percentage in the next seven years."

--Transport Topics



"NFI recognized as top 50 Green Fleets by Heavy Duty trucking magazine."

--NFI Newsroom

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**Don't lose sight; Houston's Regional Vision Goal.**

## **A Pollution Solution for Houston!**



**Cleaner emissions  
will assist in attaining  
or 2040 regional goals.**

**Plus:  
CNG powered vehicles  
exceed the new  
Federal guidelines for  
air quality that is  
hitting the roadways.**

**The Regional Vision adopted in 2014,  
Let's don't lose sight.**

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# The Local Economic Impact



Economic impact.

Summary of Benefits from the Programs				
	2013 *	2014 **	2015 ***	2018 ****
Output Millions \$	\$30.2	\$127.6	\$473.9	\$483.8
Employment Full-Time	132	927	3,333	3,076
Payroll Millions \$	\$7.6	\$37.8	\$141.4	\$133.7
Gross State Product Millions \$	\$14.7	\$79.1	\$288.2	\$301.9
State Government Revenues Millions °	\$0.4	\$3.5	\$12.4	\$14.6
Local Government Revenues Millions °	\$0.4	\$3.7	\$12.9	\$15.1
Value of Natural gas, Millions \$	N/A	\$7.8	\$18.0	\$67.1
Number of new stations from programs (2012-2014)	11	20	52	52
Estimate number of heavy-trucks served at stations	762	1,187	2,636	6,985
Severance tax, Millions \$	N/A	\$0.6	\$1.4	\$5.0

Source:: Center for Community and Business Research at The University of Texas at San Antonio Institute for Economic Development Report 2015



# What City Do you want to live in?



## CNG = One Solution for Pollution in Houston!



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