

# NIRPC/SSCC Green Fleet CNG Success Stories

Hosted by South Shore Clean Cities



NIRPC/SSCC Green Fleet CNG Success Stories  
Tuesday, December 15, 2020 1 p.m. CDT



# Speaker Lineup



**Ozinga**  
Dave Westerveld  
Sales & Business  
Development



**South Shore Clean Cities**  
Ryan Lisek  
Project Manager



**City of Hobart**  
Robert Fulton  
Assistant to the Mayor



**City of Lake Station**  
Adrian Vera  
Chief of Staff/  
Parks & Recreation Director



# About South Shore Clean Cities





# Northern Indiana Green Fleet Program

- SSCC manages the Northern Indiana Green Fleet Program including fleets within the NIRPC territory (Lake, Porter & LaPorte Counties).
- **Goal of the program:** To improve the environmental performance of public, private and nonprofit vehicle fleets in Northern Indiana.
- SSCC currently guides over **150 municipal, county, school & university member fleets** to help mitigate barriers associated with sustainable transportation adoption while creating policies supporting vehicle emission & petroleum use reductions.





# How does the Green Fleet program work?

- Educational opportunities including fuel & technology workshops, trainings & seminars
- Recognition & certification for fleet leaders taking steps to improve environmental performance & efficiency
- Branding & promotional tools to help fleets leverage earned certification status
- Informational resources including current technology options, market conditions, laws & incentives
- Connections with vendors offering sustainable transportation options
- Funding assistance with grant opportunities and other state and federal incentive programs
- Professional consultation including a Green Fleet audit and emissions quantification.



# Green Fleet Audits

**Step 1: South Shore Clean Cities staff will conduct a complete fleet analysis:**



**Step 2: South Shore Clean Cities staff will then provide a complete fleet analysis in a written Green Fleet audit report:**





# Partnerships & Grant Acquisitions





# Thank You!



## **South Shore Clean Cities**

Ryan Lisek

Project Manager

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**OZINGA®**

NIRPC/SSCC Green Fleet CNG Successes

# Our Story





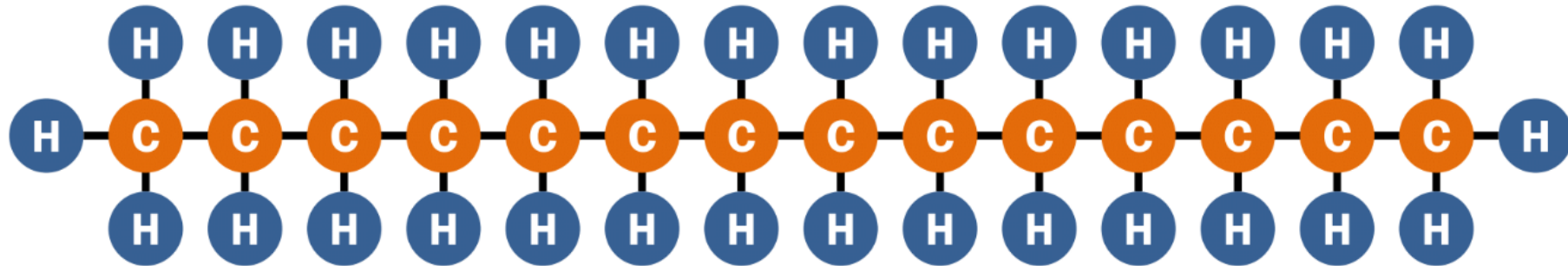


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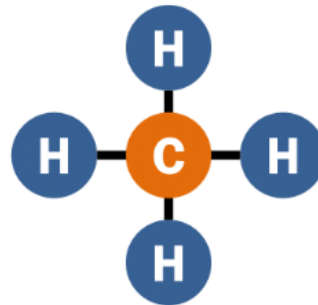


# Why CNG?

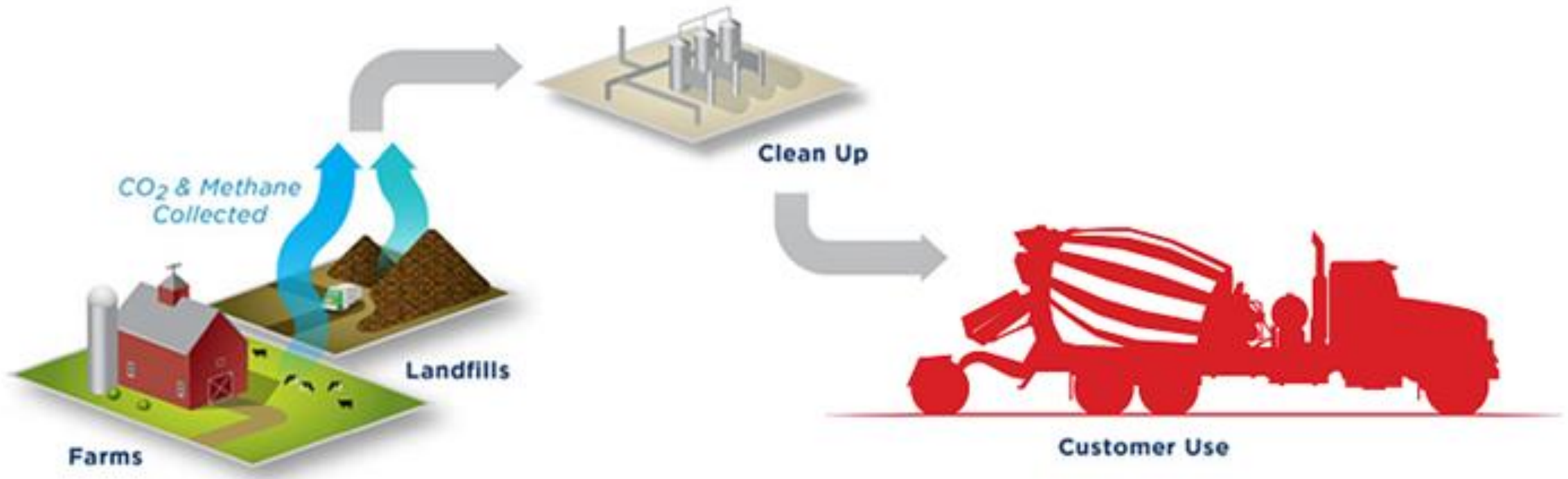
Diesel Molecular Structure  $C_{14}H_{30}$



Natural Gas Molecular Structure  $CH_4$



# Why RNG?





**B6.7N™**

**6.7L**

Peak Rating: 240 hp

560 lb-ft torque

33,000 lb. GVW

School bus/Shuttle bus

EPA/ARB Low NOx

0.1 g/bhp-hr (50% reduction)



**L9N™**

**8.9L**

Peak Rating: 320 hp

1000 lb-ft torque

66,000 lb. GVW

Transit Bus

EPA/ARB Near Zero NOx

0.02 g/bhp-hr (90% Reduction)



**ISX12N™**

**11.9L**

Peak Rating: 400 hp

1450 lb-ft torque

80,000 lb. GVW

Coach Bus

EPA/ARB Near Zero NOx – 0.02

g/bhp-hr (90% Reduction)

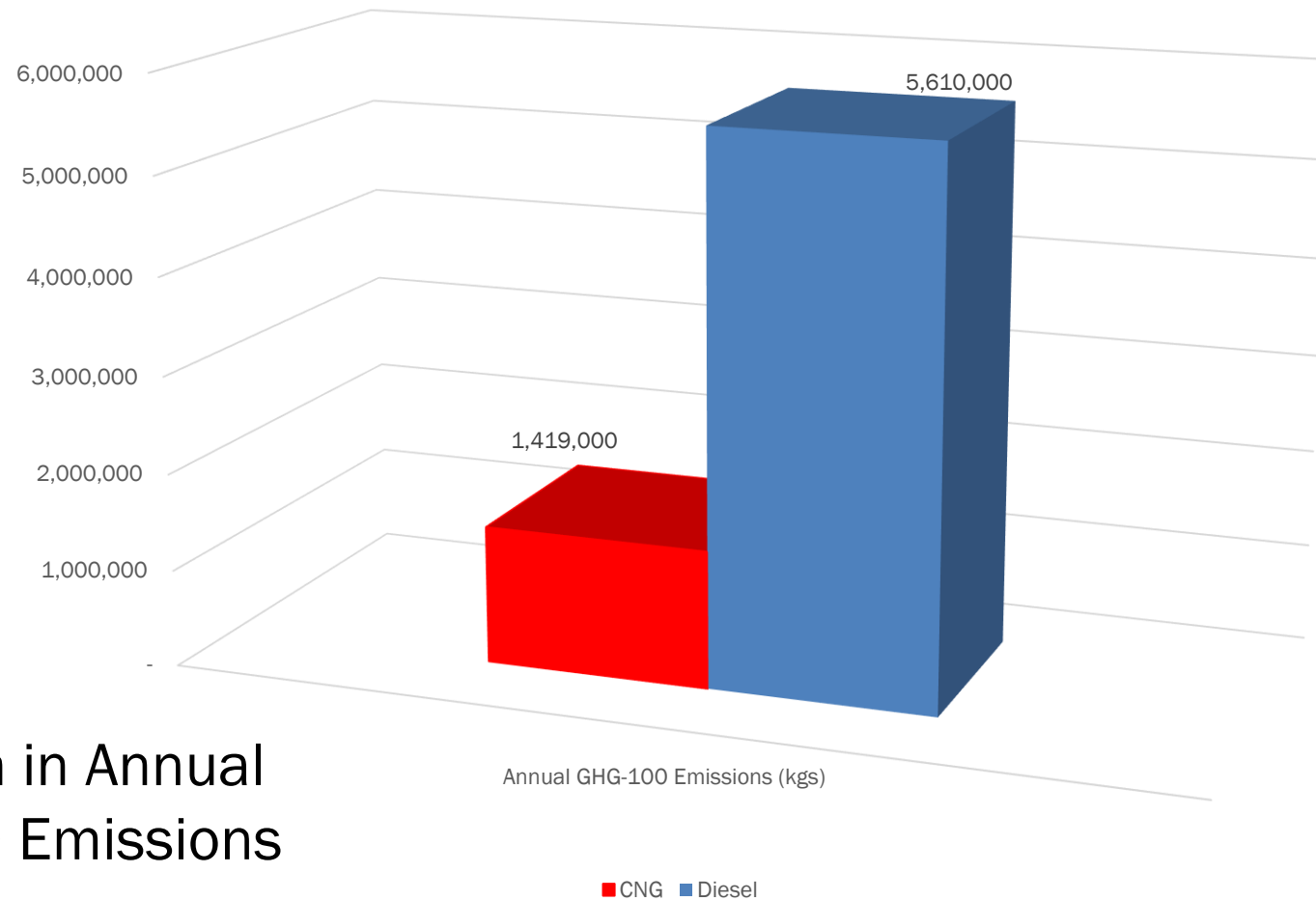


# Fuel Displacement

Over  
**1,000,000**  
Gallons of Diesel / Year



# Ozinga Emissions Savings



75% Reduction in Annual  
WTW GHG-100 Emissions

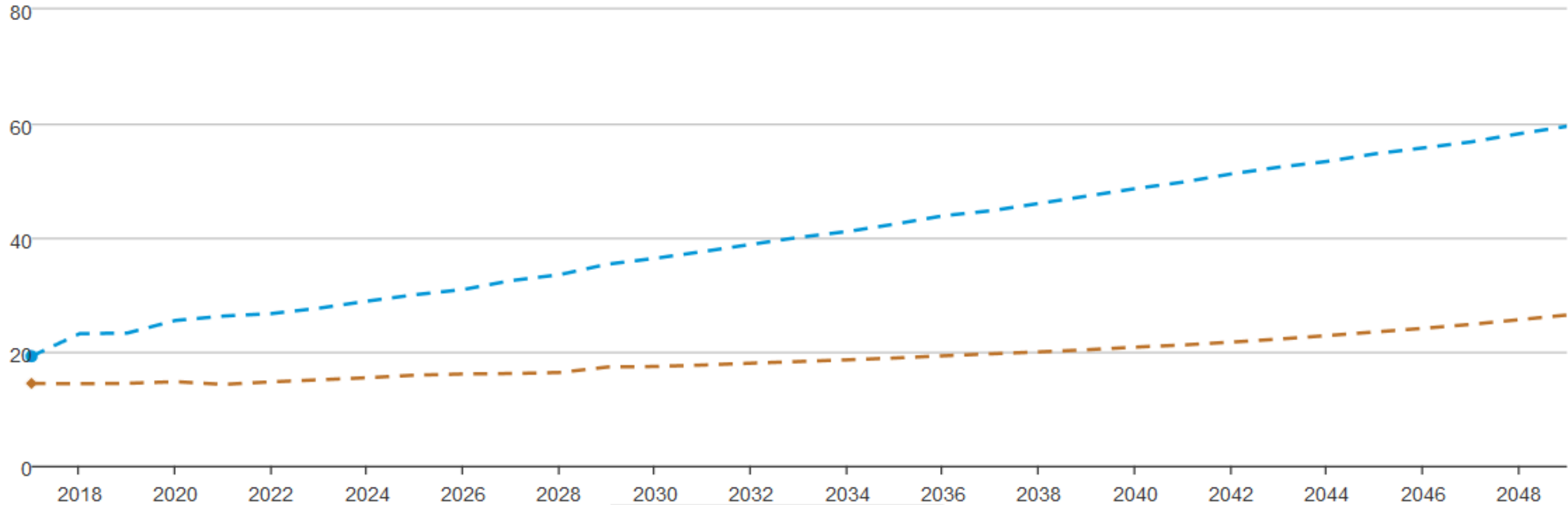
# Price Comparison

## AEO2019: Energy Prices: Nominal: Transportation

DOWNLOAD

Case: Reference case | Region: United States

nom \$/MMBtu



[EIA Annual Energy Outlook 2019](#)

— Diesel Fuel — Natural Gas

(Prices include estimates for Federal and State fuel Taxes)





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# Questions?



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# Roundtable discussion



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**Type your questions in the chat box!**





# Connect with our speakers!



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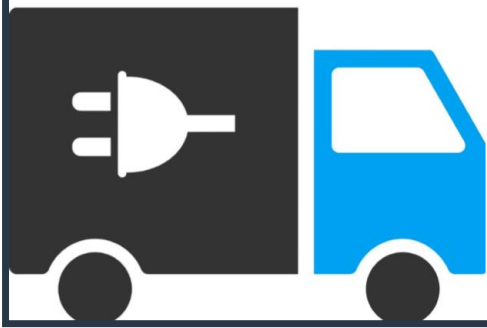
# Coming Up...



*Winter Webinar Series*

**Webinar: Medium- & Heavy-Duty Electric Operations**

**January 13, 2021 1 p.m.-2 p.m. CST**



**Sustainable Ports & Goods Movement Webinar**

**Feb. 24, 2021, 1 p.m.-2 p.m. CST**



Visit [www.southshorecleancities.org/event/](http://www.southshorecleancities.org/event/) for more information

# Thank you for attending!



**South Shore Clean Cities**

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