



Propane Autogas Lunch & Learn

THANK YOU TO OUR PARTNERSHIPS

What Is South Shore Clean Cities?

Clean Cities

advances the energy, economic, and environmental security of the United States by supporting local actions to cut petroleum use in transportation.

FUNDING

Reduced petroleum consumption

Reduced greenhouse gas (GHG) emissions

Reduced dependence on imported petroleum

Local Partnerships: Members/Stakeholders

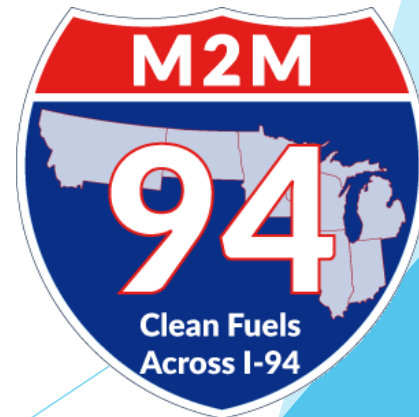
- Top 5 Clean Cities Coalition in the United States
- Public/Private Partnerships
- 18.5M+ GGE Petroleum Displaced in 2017
- 2017 Reduction in GHG Emissions 116,700 tons
- \$ 100 MILLION in Awards!



- Fleets
- Product and service providers
- Environmental and energy agencies
- Advocacy organizations



Opportunities & Collaborations

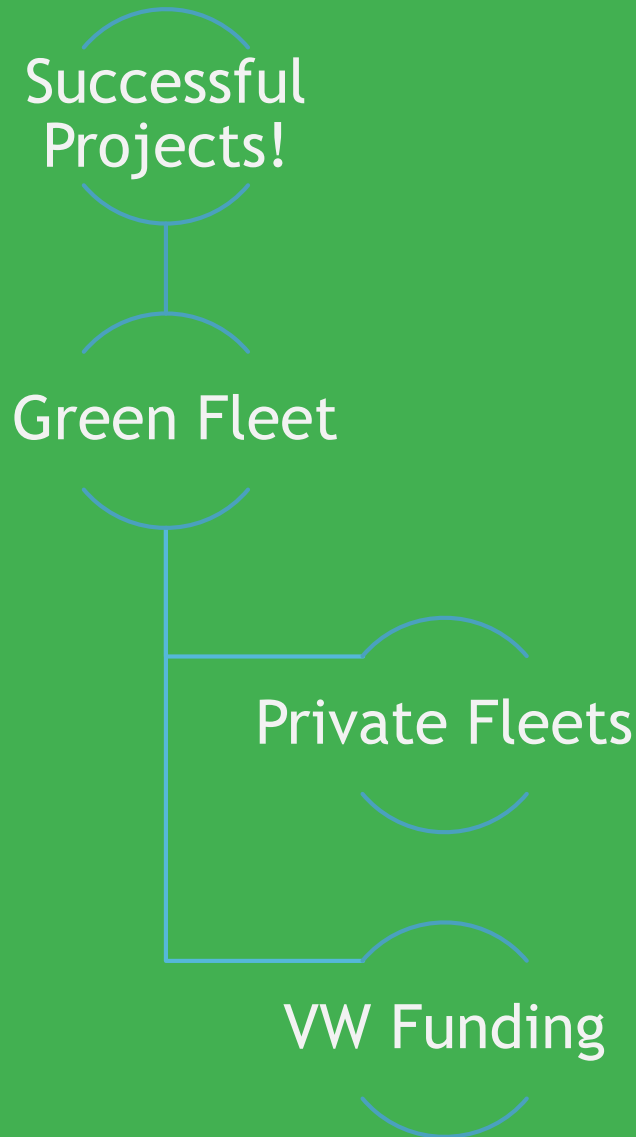


Northern Indiana Green Fleets: A voluntary program for business and government fleets to gain support and recognition for implementing alternative fuels, diesel emission reductions and implementing GREEN!.

- ▶ **Stakeholder benefits:** Hands-on support and assistance developing and implementing a policy tailored to their specific needs
 - ▶ Education/implementation about the benefits of alternative fuels, Clean Diesel and technologies
 - ▶ Indiana Diesel Emission Reductions
 - ▶ Financial Support/Grant Assistance with MACOG
 - ▶ Public recognition for high-performance fleets.



Having SSCC Involved is a Critical Factor to Success



South Shore Clean Cities is well-positioned within local markets to not only have access to willing participants who are ready to move forward with deploying clean diesel and alternative fuels within their fleet but also possess the knowledge and access to resources to help partners successfully overcome the challenges they may face during implementation.

Technical Assistance



Technical and Problem Solving Assistance

- Capture lessons learned and best practices
- Address unforeseen permitting & safety issues
- Identify chronic vehicle or infrastructure field problems
- Incident investigations



Technical Response Service

- Research and respond to general and technical inquiries
- Provides expert, reliable, vetted resources via email
- Email info@southshorecleancities.org or call 219-644-3690 with technical questions
- 48-hour standard response time (indicate if you need it sooner)



“Signage/Corridor-Ready” Criteria for 2018 Nominations

EV

DCFC only

50 miles
between
stations

5 miles from
highway

Public stations
only (*no Tesla*)

CNG

150 miles
between
stations

5 miles from
highway

Public stations
only

Fast fill, 3,600
psi

LNG

200 miles
between
stations

5 miles from
highway

Public stations
only

Propane

150 miles
between
stations

5 miles from
highway

Public stations
only

Primary
stations only

Potential Grouping of Eligible Project Types

Generally the eligible project types can be categorized into the following for more efficient applications, evaluation, and scoring:

1. Onroad Equipment and Vehicles

- ▶ Projects such as Class 4-8 trucks and Class 4-8 school, shuttle, and transit buses

2. Nonroad Equipment and Vehicles

- ▶ Projects such as airport ground support equipment, forklifts and port cargo handling equipment, ferries and tugboats, and freight-switcher locomotives

3. DERA Option Project Types

- ▶ Projects such as idle reduction technologies, diesel engine Repower and Replacements using fuel options not permitted under Volkswagen, diesel engine upgrades, and exhaust after-treatments

4. Light-Duty Electric Infrastructure

- ▶ Projects such as Level 1, Level 2, and Fast Charging stations across Indiana (not to be confused with heavy-duty electric infrastructure)

5. Administrative Costs

- ▶ Costs such as IDEM staff, outreach materials where appropriate, and appropriate Advisory Committee expenses

Onroad Equipment and Vehicles Group Recommendations

- ▶ Includes Class 4-8 trucks and Class 4-8 buses
- ▶ Allocate ~50% (~\$20.5 million) of total to this group
- ▶ Set aside ~40% (~\$8.2 million) of this group for school buses
 - ▶ Carve out ~30% (~\$2.75 million) of school bus allocation for electric school buses
- ▶ Remaining ~60% (~\$12.3 million) for all other Class 4-8 truck or bus projects
- ▶ Require a match of no less than 25% for all non-electric powered engine and vehicle projects, whether public or private, unless Trust calls for greater match
- ▶ Require a match of no less than 30% for all electric-powered engine and vehicle projects, whether public or private

Nonroad Equipment and Vehicle Group Recommendation

- ▶ Includes freight switcher locomotives, ferries and tug boats, airport ground support equipment, and forklifts and port cargo handling equipment
- ▶ Nonroad equipment and vehicles must be Indiana-based (not owned)
- ▶ Allocate ~22% (~\$9.02 million) to equipment and vehicles in nonroad group
- ▶ Require a match of no-less-than 25% for all non-electric-powered equipment and vehicle projects, whether public or private
- ▶ Require a match of no-less-than 30% for all electric-powered equipment and vehicle projects, whether public or private

DERA Option Project Types

Group Recommendation

- ▶ This group includes many projects included in the national mitigation trust, but adds several project types not specifically identified in the trust language
- Great emission reduction potential still remains in reduced idling programs and technologies
- ▶ Allocate ~10% (~\$4.1 million)
- ▶ Require a match consistent with most recent release of DERA State Allocation Program, whether public or private

Light-Duty Electric Infrastructure Group Recommendation

- ▶ Level 1, Level 2, and Fast Charging light-duty electric infrastructure equipment, along with ocean going vessel shorepower technologies
- ▶ IDEM is not recommending any funding for ocean going vessel shorepower projects due to lack of demonstrated interest
- ▶ All electric infrastructure equipment must be Indiana-based
- ▶ Allocate 15% (~\$6.15 million) to infrastructure equipment in this group
- ▶ Require a match of no-less-than 20% for all infrastructure equipment made available to the public, whether publicly or privately owned, in this group
- ▶ Require a match of no-less-than 40% for all infrastructure equipment not made available to the public, whether publicly or privately owned, in this group

Indiana VW Mitigation Trust Allocation Summary

Eligible Mitigation Action	Suggested Allocation
Onroad Equipment and Vehicles	50%
Nonroad Equipment and Vehicles	22%
DERA Option	10%
Electric Infrastructure	15%
Administrative Costs	3%
TOTAL	100%

Note: On June 4th, the Advisory Committee recommended moving 2% from Nonroad Equipment and Vehicles along with 6% from DERA Option groups to the Onroad Equipment and Vehicles group

VW Road Show Event Dates and Locations

Date	Time	Location
August 1 st	11am to 1pm	South Bend Public Transportation Corporation 1401 South Lafayette Boulevard South Bend, IN
August 28 th	11am to 1pm	Terre Haute Fire Department 25 Spruce Street Terre Haute, IN
August 29 th	11am to 1pm	Seymour City Hall 309 North Chestnut Street Seymour, IN
August 30 th	11am to 1pm	Evansville Public Library 200 SE Martin Luther King Jr. Boulevard Evansville, IN

For More Information

Indiana Volkswagen Mitigation Trust Program website:

www.idem.IN.gov/vwtrust

Submit Beneficiary Mitigation Plan comments to:

VWTrust@idem.IN.gov

For program assistance:

Shawn Seals

Senior Environmental Manager

IDEM - Office of Air Quality

(317) 233-0425

SSeals@idem.IN.gov



Watch for Unexpected Traps

- ▶ “Free Money” from the Government is Rarely Free... It Comes with Strings Attached...
- ▶ Reimbursement Basis
- ▶ Matching Funding Requirements
- ▶ Reporting Requirements
- ▶ Possibly Old Engine Destruction



PREPARE and Move Forward

- ▶ Develop an Internal Team.
- ▶ Reach Out to South Shore Clean Cities
- ▶ Capture Fleet Data
- ▶ Identify Your Goals and Needs
- ▶ Develop Your Plan
- ▶ Pay Attention to Selection Criteria, Follow Directions
- ▶ Obtain Cost Estimates
- ▶ Calculate Emissions Reductions; Useful Remaining Vehicle Life
- ▶ Obtain Needed Approvals
- ▶ Start Now!

Moving Forward -VW will:

- ✓ Fund ***Clean Diesel*** vehicle projects that focus on maximizing NOx reduction for the funds spent
- ✓ Provide larger incentives for engines that **deliver greater NOx reductions than currently required**
- ✓ Target funding for technologies that deliver **lower in-use emissions**
- ✓ Fund **commercially available** products that are ready for use

Moving Forward- Continued

- ✓ Prioritize funding for **clean vehicles** rather than **fueling infrastructure**
- ✓ **Scale funding** to incentivize the cleanest engines available
- ✓ Incentivize adoption by both **public and private fleets**
- ✓ Prioritize projects that **provide a match**
- ✓ **Accelerate the funding** to maximize the NOx reduction benefits
- ✓ Use vehicles emissions measurement tools that reflect current technologies & actual performance

Upcoming Events

Aug. 28 IDEM VW Mitigation Roadshow, Terre Haute, IN

Aug. 29 IDEM VW Mitigation Roadshow, Seymour, IN

Aug. 30 IDEM VW Mitigation Roadshow, Evansville, IN

Sept. 8, 2018 - Goshen National Drive Electric Week Ride & Drive

Sept. 11, 2018 - Portage National Drive Electric Week Ride & Drive

Sept. 18, 2018 - SSCC Clean Air Golf Outing

Sept. 20, 2018 - Lakeshore Public Media Professional Women's Conference

Oct. 23, 2018 - Sustainable Operations Workshop

Green Fleet Radio

- ▶ Carl Lisek hosts “Green Fleet Radio” each Wednesday on Lakeshore Public Radio:

Three times to listen each week:

- At 7:23 a.m. during “Morning Edition”
- Between 12 p.m. and 1 p.m. during “Regionally Speaking”
- At 4:21 p.m. during “All Things Considered”

Listeners can tune in to Lakeshore Public Radio at 89.1 FM or streaming online at

<http://lakeshorepublicradio.org/>

All “Green Fleet Radio” shows are available in podcast format at

<https://southshorecleancities.org/>



Path to Successful Sustainable Transportation

DIY



www.afdc.energy.gov www.southshorecleancities.org

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