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.

- Reduced petroleum consumption
- Reduced greenhouse gas (GHG) emissions
- Reduced dependence on imported petroleum

FUNDING
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
• 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

<table>
<thead>
<tr>
<th>Eligible Mitigation Action</th>
<th>Suggested Allocation</th>
</tr>
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<tbody>
<tr>
<td>Onroad Equipment and Vehicles</td>
<td>50%</td>
</tr>
<tr>
<td>Nonroad Equipment and Vehicles</td>
<td>22%</td>
</tr>
<tr>
<td>DERA Option</td>
<td>10%</td>
</tr>
<tr>
<td>Electric Infrastructure</td>
<td>15%</td>
</tr>
<tr>
<td>Administrative Costs</td>
<td>3%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
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</table>
| August 1<sup>st</sup> | 11am to 1pm | South Bend Public Transportation Corporation  
1401 South Lafayette Boulevard  
South Bend, IN |
| August 28<sup>th</sup> | 11am to 1pm | Terre Haute Fire Department  
25 Spruce Street  
Terre Haute, IN |
| August 29<sup>th</sup> | 11am to 1pm | Seymour City Hall  
309 North Chestnut Street  
Seymour, IN |
| August 30th  | 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

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

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