Florida’s Beneficiary Mitigation Plan Webcast

Presented by the Florida Clean Cities Coalitions and the Department of Environmental Protection

Outline

- Overview of the Clean Cities Program & Available Tools and Resources
- Updates on the State of Florida Beneficiary Mitigation Plan
- Implications for Alternative Fuel Corridors
- Q&A Session with Technical Experts
Why Clean Cities?

Clean Cities advances the energy, economic, and environmental security of the United States by working locally to advance affordable, domestic transportation fuels, energy efficient mobility systems, and other fuel-saving technologies and practices.

Reduce petroleum consumption

Advance domestic fuels

Promote energy and fuel efficiency

Complementary Framework

Local & National Partnerships

Information & Education

Competitively Awarded Financial Assistance

Technical & Problem Solving Assistance

Clean Cities coalitions are locally based with the ability to tap national resources.
Clean Cities

Clean Cities Connections:

• National network of coordinators
• Peer-to-peer learning
• Problem solving
• Technical Response Service
• Tools, resources, publications

Technical & Problem Solving Assistance

Technical Response Service

• First-level resource for stakeholders, consumers, and others
• Research and respond to general inquiries
• Address challenging questions
• Educate legislators and government officials.

Tiger Teams

• Second-level resource for coordinators, stakeholders, and others
• Expert technical problem solving to overcome obstacles
• Assistance on barriers that challenge local resources
• Help at any point in the project/product life-cycle (concept, development, execution, operation/maintenance, closure).

TechnicalResponse@icfi.com, 800-254-6735
Online Tools & Resources

Vehicle Emissions Calculator by U.S. Department of Energy's Argonne National Laboratory

The Heavy-Duty Vehicle Emissions Calculator (HDVEC) tool is an accurate tool to gauge emissions reductions across various medium- and heavy-duty vehicle project options affiliated with the Volkswagen Environmental Mitigation Trust Settlement.

Developed by the U.S. Department of Energy's Argonne National Laboratory using its Tool 2017. This online resource aids fleet managers and decision makers in comparing technologies for real world, in-use emission reduction in order to maximize their state funding investment.

AFLEET Tool 2018

The Department of Energy has enlisted the expertise at Argonne to develop the Alternative Fuel Life Cycle Environmental and Economic Transportation (AFLEET) Tool for Clean Cities Coalition stakeholders. This online version of AFLEET Tool 2018 replaces the alternative fuel vehicles to gasoline light-duty and diesel heavy-duty vehicles using the following metrics:

- Petroleum use
- Greenhouse gas emissions
- Air pollutant emissions
- Simple payback

The online version provides the same results as the AFLEET Tool 2018 spreadsheet’s Simple Payback Calculator. To download the spreadsheet and user manual, please visit https://pnnl.gov/afleet_tool_2018.

For any questions contact: green@anl.gov

Copyright Statement

Network of Clean Cities Coalitions

Map showing the network of Clean Cities Coalitions across the United States.
Florida Clean Cities Coalitions

North Florida Clean Fuels
Wanda Forrest
Coordinator
904-306-7514
wforrest@northfloridatpo.com

Tampa Bay Clean Cities
Alex Kolpakov
Coordinator
813-974-4038
kolpakov@cutr.usf.edu

Central Florida Clean Cities
Doug Kettles
Director
320-300-4555
doug@cflccc.org

Southeast Florida Clean Cities
Mark-Anthony Smith
Coordinator
954-924-3653
msmith@sfrpc.com

Diesel Emissions Mitigation Program
Division of Air Resource Management
October 2019
Draft Mitigation Plan Components:
1. Public Input Process
2. Overall Goal for Use of Funds
3. Areas with Disproportionate Burden
4. Identify Project Categories
5. Overall Emissions Benefits Calculation

Public Input Process

- Requests for Information (Spring 2017)
- Public Informational Meetings (Spring 2018)
- Public Informational Webinars (Spring 2018)
- Public Survey and Comment Period (Spring 2018)
- Draft Mitigation Plan Comment Period (July 2019)
- Request for Information (Pending, 2019)
- Electronic Mailing List Subscription Service
The primary goal is to reduce emissions of NOx, particulate matter and hazardous air pollutants in areas where people live, work and visit. The department will balance the following factors:

1. Prioritizing projects that replace eligible units with electric-powered and/or alternative fueled units;
2. Identifying the areas in Florida where the largest number of people are impacted by higher levels of emissions from diesel-powered vehicles and equipment; and
3. Identifying cost-effective mitigation projects, factoring in the prioritized fuel types.
### Eligible Mitigation Action

<table>
<thead>
<tr>
<th>Eligible Mitigation Action</th>
<th>Allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>School, Transit and Shuttle Buses</td>
<td>70%</td>
</tr>
<tr>
<td>Light-Duty ZEV Supply Equipment</td>
<td>15% (Maximum Allowable)</td>
</tr>
<tr>
<td>Diesel Emissions Reduction Act (DERA)</td>
<td>15%</td>
</tr>
</tbody>
</table>

### Overall Emissions Benefits Calculation

EPA’s Diesel Emissions Quantifier (DEQ) tool to calculate emissions benefits from projects. Example of recent project replacing three drayage trucks:

<table>
<thead>
<tr>
<th>Annual Results (short tons)</th>
<th>NO(_x)</th>
<th>PM(_{2.5})</th>
<th>HC</th>
<th>CO</th>
<th>CO(_2)</th>
<th>Fuel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline for Upgraded Units</td>
<td>2.424</td>
<td>0.269</td>
<td>0.153</td>
<td>0.627</td>
<td>1,465.5</td>
<td>130,266</td>
</tr>
<tr>
<td>Amount Reduced After Upgrades</td>
<td>2.336</td>
<td>0.266</td>
<td>0.111</td>
<td>0.599</td>
<td>219.8</td>
<td>19,539</td>
</tr>
<tr>
<td>Percent Reduced After Upgrades</td>
<td>96.4%</td>
<td>98.9%</td>
<td>72.5%</td>
<td>95.6%</td>
<td>15.0%</td>
<td>15.0%</td>
</tr>
</tbody>
</table>
On October 8th, the department is publicly noticed the finalized Mitigation Plan submitted to the Trustee. The department simultaneously published three Requests for Information (RFI) for the three programs identified in the plan. Once the RFI process is complete, the department will develop programs for funding.

Additionally, the department provided a notice of funding availability for an initial round of electric school bus projects for school districts within an Air Quality Priority Area for $5 million.

The RFI and Electric School Bus submittal period is open through November 7, 2019.

John Paul Fraltes
850-717-9021
John.Fraltes@FloridaDEP.gov
https://floridadep.gov/volkswagen
https://floridadep.gov/subscribe
Congressional Mandate
Section 1413 of the Fixing America's Surface Transportation (FAST) Act, signed into law on December 4, 2015, required the Secretary of Transportation to designate national electric vehicle (EV) charging, hydrogen, propane, and natural gas fueling corridors.

Goals
Corridor designations must identify near-and long-term needs for, and locations of, charging and fueling facilities for passenger and commercial vehicles.

Administration
The Federal Highway Administration (FHWA) has led the U.S. Department of Transportation's (DOT) efforts to designate the national corridors.

https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/solicitation.cfm
Nomination Status
Q&A Panel

John Paul Fraites
Florida Department of Environmental Protection

Chris Rustman
Florida Transportation Systems (FTS)
Alternative Fuel Buses

Doug Kettles
Central Florida Clean Cities
Alternative Fuel Corridors
EV Charging Infrastructure