Lugar Center Spring Forum

Carl Lisek, Executive Director
South Shore Clean Cities
May 14, 2018
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
- 150 + Public/Private Stakeholders
- 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
Clean Cities: Tools of the Trade

The Alternative Fuels Data Center offers a large collection of helpful tools. These calculators, interactive maps, and data searches can assist fleets, fuel providers, and other transportation decision makers in their efforts to reduce petroleum use.

**Tools**

- **Calculators**
  - Vehicle Cost Calculator: Compare cost of ownership and emissions for most vehicle models. [mobile]
  - Petroleum Reduction Planning Tool: Create a plan for your fleet to reduce petroleum consumption and emissions.
  - CNG VICE Model 2.0: Evaluate ROI and payback period for natural gas vehicles and infrastructure.

- **Interactive Maps**
  - Alternative Fueling Station Locator: Locate alternative fueling stations and get maps and driving directions. [mobile]
  - TransAtlas: Analyze vehicle densities and locations of fueling stations and production facilities.
  - BioFuels Atlas: Compare feedstocks and analyze biofuel production by location.

- **Data Searches**
  - Vehicle Search: Compare light-duty alternative fuel vehicles, electric vehicles, and hybrids.
  - Laws and Incentives Search: Search for laws and incentives related to alternative fuels and advanced vehicles.
  - Fuel Properties Comparison: Compare alternative fuel properties and characteristics.

[www.afdc.energy.gov](http://www.afdc.energy.gov)  
[southshorcleancities.org](http://southshorcleancities.org)  

Bookmark it!
Opportunities & Collaborations

GREEN DRIVE$ 2018
Conference & Expo
Thursday, May 17, 2018
NIU Conference Center | Naperville, IL

Midwest Clean Diesel Initiative

NORTHERN INDIANA GREEN FLEET

M2M
94 Clean Fuels Across I-94

HELP US BREAK DOWN THE BARRIERS TO ALTERNATIVE FUELS

workplace charging challenge
U.S. DEPARTMENT OF ENERGY

SETTLEMENT

EVOLVE

Clean Cities
Lake Michigan Consortium
Michigan to Montana Corridor Project

US DOE selected project - funded $4.9M (with matching participant cost share)
Project began June 2017 with 60 trucks and 15 alternative fueling stations committed

I-94 Project Goals:

- Create a competent and experienced team to guide the creation of an alternative fuel corridor to:
  - Deploy selected stations and vehicles to fill identified gaps
  - Provide education/training to establish a sustainable alternative fuel and advanced vehicle market
  - Significantly grow the availability and use of alternative fuels and advanced vehicles in markets critical for long-term success of these technologies
  - Create a 15% increase in petroleum displacement within each Clean Cities Coalition geographic area
  - Develop and deploy a template that can be used around the country to help other corridors to be expanded

A competent team and well designed plan ensures the M2M Corridor will expand beyond the end of the project term.
Significance of I-94 Corridor

- Key international trade route connecting the Great Lakes and the Intermountain regions, covering 1,500 miles, with over 18 billion vehicle miles traveled annually

- The population of people in the counties that are crossed by the I-94 Corridor is over 16.8 million

- Over a dozen national park sites and 230 truck stops

- 5 military bases

- 24 major counties

- Significant number of alternative fuel stations already exist along I-94 corridor (690 Level 2 EVSE, 87 DC Fast Chargers, 36 CNG stations, 72 propane stations)
Incentives, Funding & Opportunities

- **US EPA Clean Diesel Funding Assistance Program** (DERA Funding) $40M
  
  https://www.epa.gov
  
  - Proposals Due: June 12, 2018 11:59 pm ET
  - Anticipated selection July, 2018 - Anticipated award Sept.-Nov. 2018
  - Various diesel emission reduction projects

- **US Department of Energy Advanced Vehicle Technologies Research Grant** $68.5M
  
  - EERE Exchange website or Grants.gov
  - Batteries and Electrification $27M
  - Materials $6M
  - Technology Integration $20M
  - Engines/Fuels: Off-road Applications $3.5M
  - Co-optimization of engines and fuels $12M
  - Concept papers due May 29, 2018 Full applications Due July 13, 2018
Indiana VW Beneficiary Mitigation Plan

www.idem.IN.gov/vwtrust  Indiana’s Portion is $ 41 Million
- Freight and port drayage trucks
- Class 4-8 school/shuttle/transit buses
- Freight switcher locomotives
- Ferris/tugboats
- Ocean and lake going vessels shorepower
- Class 4-7 local trucks
- Airport ground support equipment
- Forklifts and cargo handling equipment at ports
- Light duty zero emission electric vehicle supply equipment (up to 15% of allocation)
- Diesel Emission Reduction Act (DERA) option
  - Option to use trust funds for actions not specifically listed but otherwise eligible under DERA
  - Projects funded under the DERA option will be required to meet the DERA cost share requirements

IDEM anticipates holding next Advisory public meeting in June 2018 and this will be announced on the website
Path to Successful Sustainable Transportation

www.afdc.energy.gov

South Shore Clean Cities, Inc.

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