

# Communicating Availability and Benefits of Alternative Fuels to Enhance Corridors



A U.S. Department of Energy designated Clean Cities Coalition since 2000

South Central Alternative Fuel Corridor Convening  
April 9, 2019



## Clean Cities Mission

To foster the economic, environmental, and energy security of the United States by working locally to advance affordable, domestic transportation fuels and technologies.

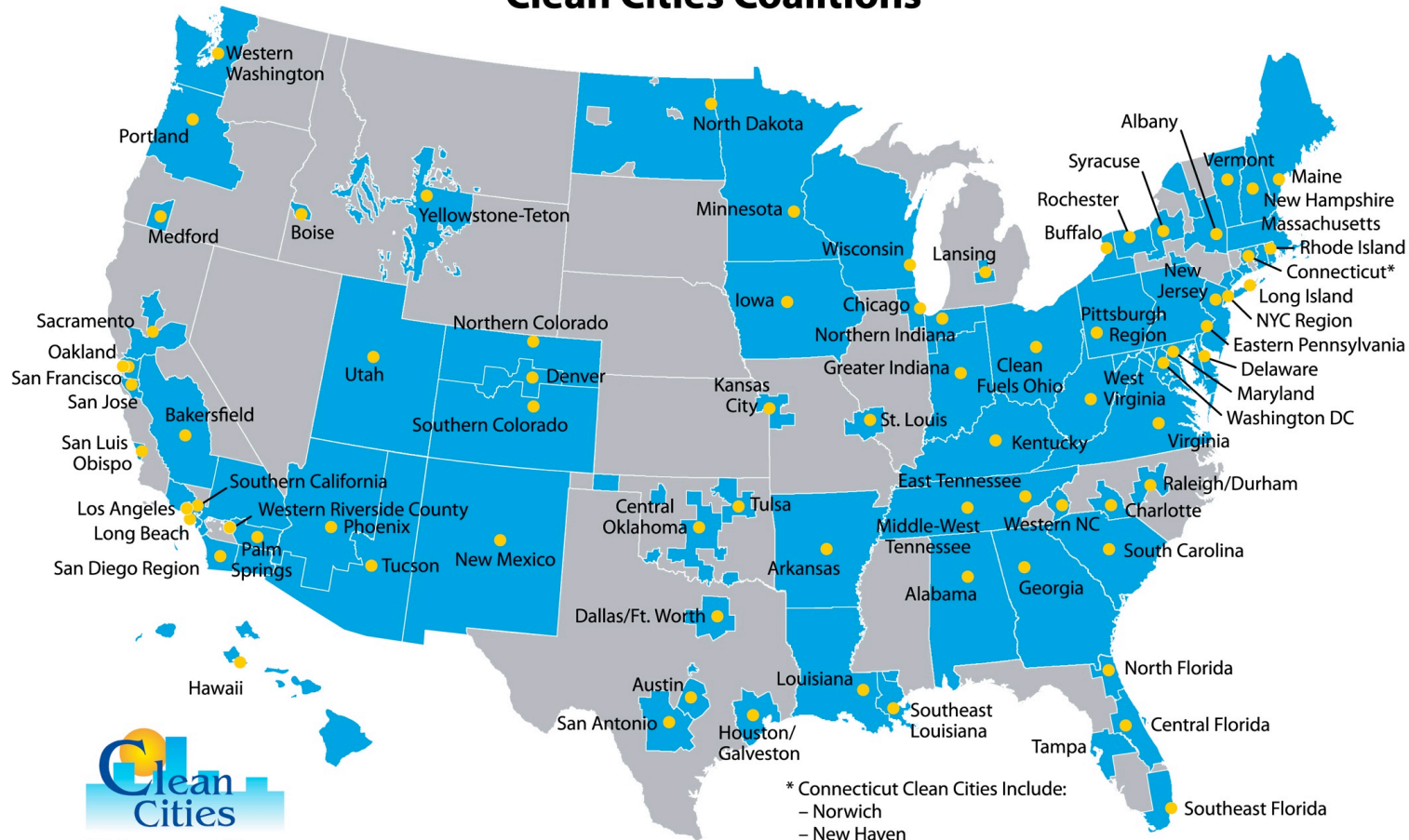
- Energy Policy Act of 1992 (EPAAct)
- Provides a framework for businesses and government agencies to work together
- Goal: Reduce U.S. petroleum use by 2.5 billion gallons per year
- Clean Cities has saved more than 8.5 billion gallons of petroleum since its inception in 1993.



# A Nationwide Network



## Clean Cities Coalitions



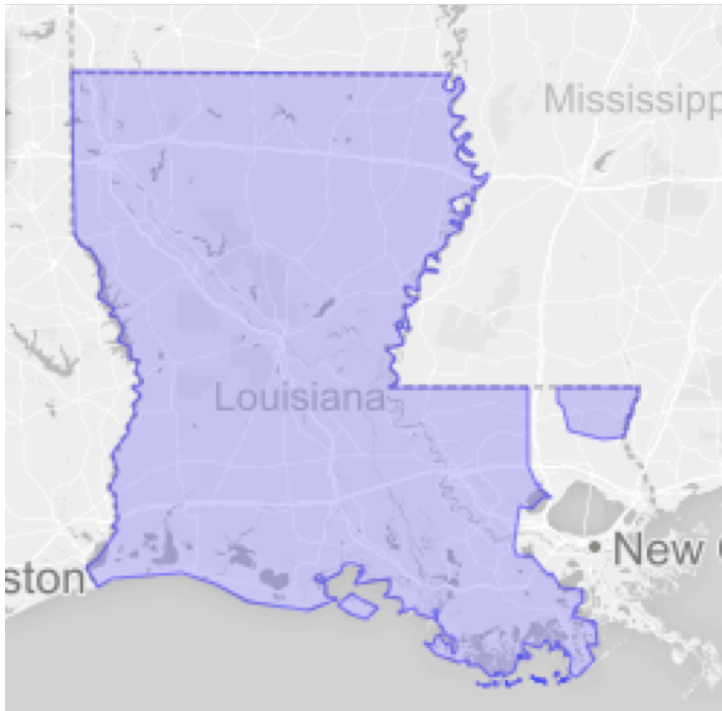
\* Connecticut Clean Cities Include:  
 - Norwich  
 - New Haven  
 - Connecticut Southwestern Area  
 - Capitol Clean Cities (Hartford area)

Map Date: 01/10/19





# Louisiana has two Clean Cities coalitions



## SOUTHEAST LOUISIANA CLEAN FUEL PARTNERSHIP



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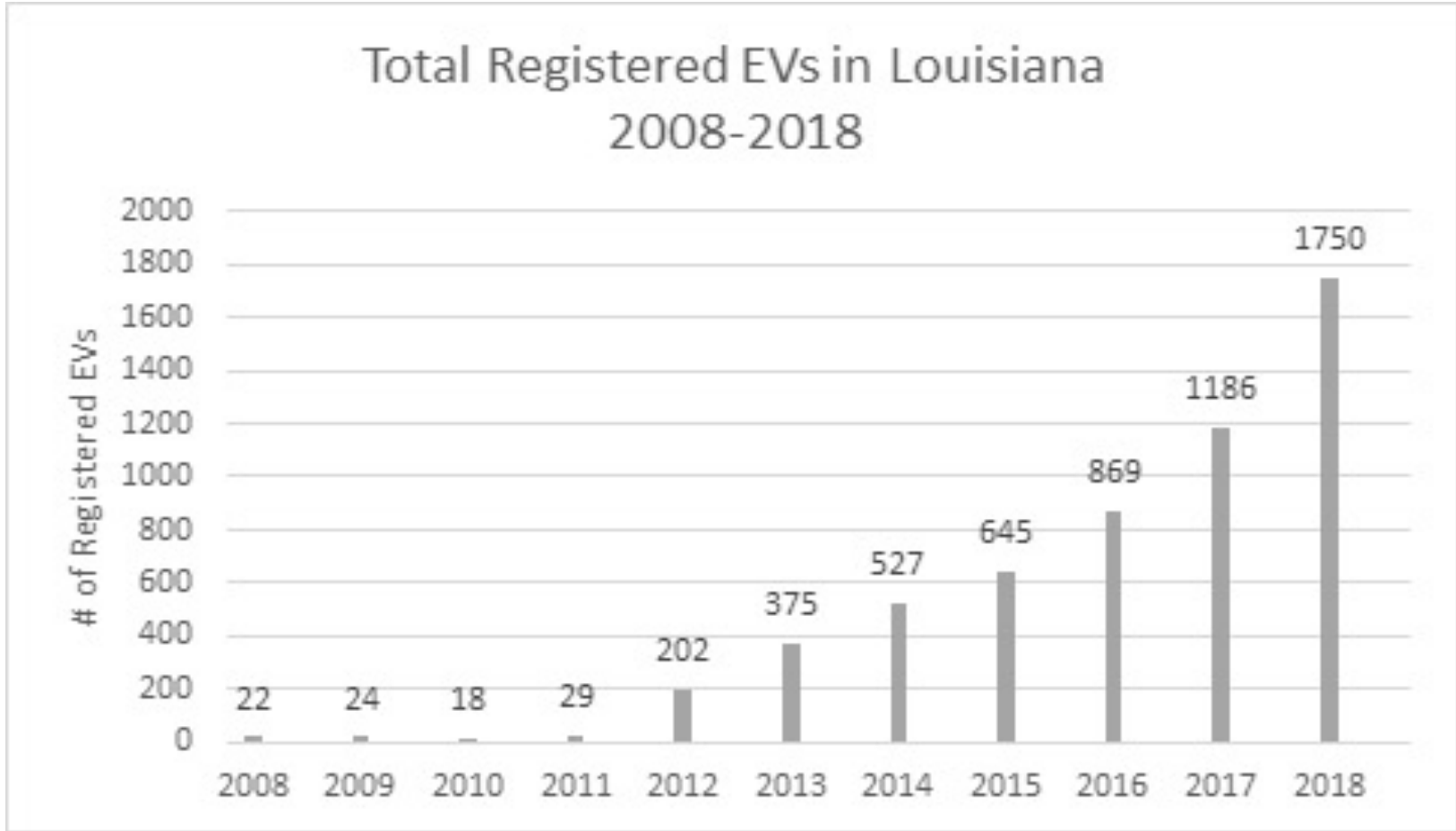
### **Territory:**

Parishes (counties): Jefferson, Orleans (includes the City of New Orleans), Plaquemines, St. Bernard, St. Charles, St. John the Baptist, St. Tammany, Tangipahoa





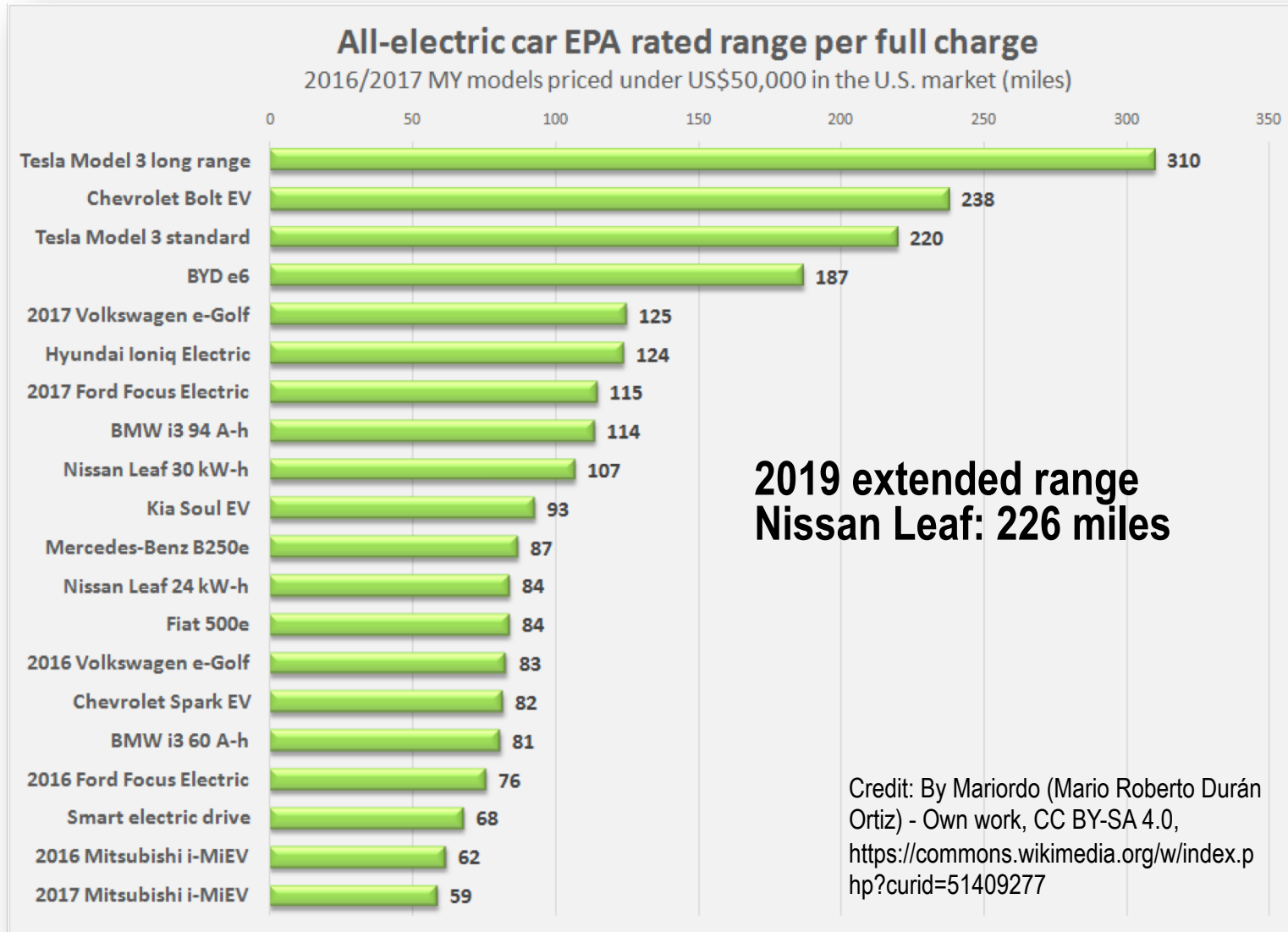
# Trends: Louisiana Electric Vehicle Registration



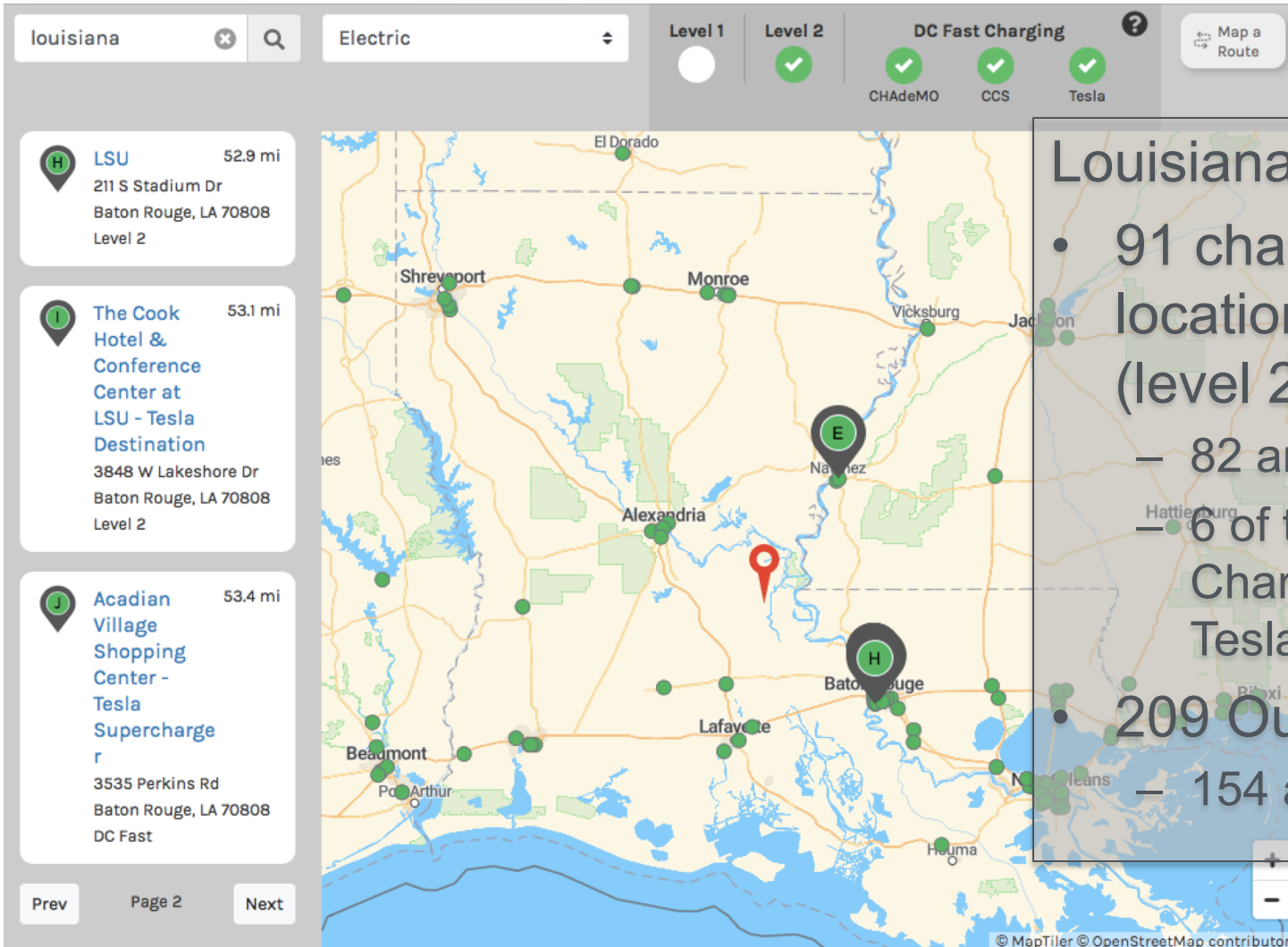
Source: IHS Polk Data



# All Electric Range (2016/2017 Models)



# Infrastructure in Louisiana



## Louisiana

- 91 charging locations (level 2 and DC)
  - 82 are level 2
  - 6 of the 9 DC Fast Charging sites are Tesla
- 209 Outlets
  - 154 are level 2

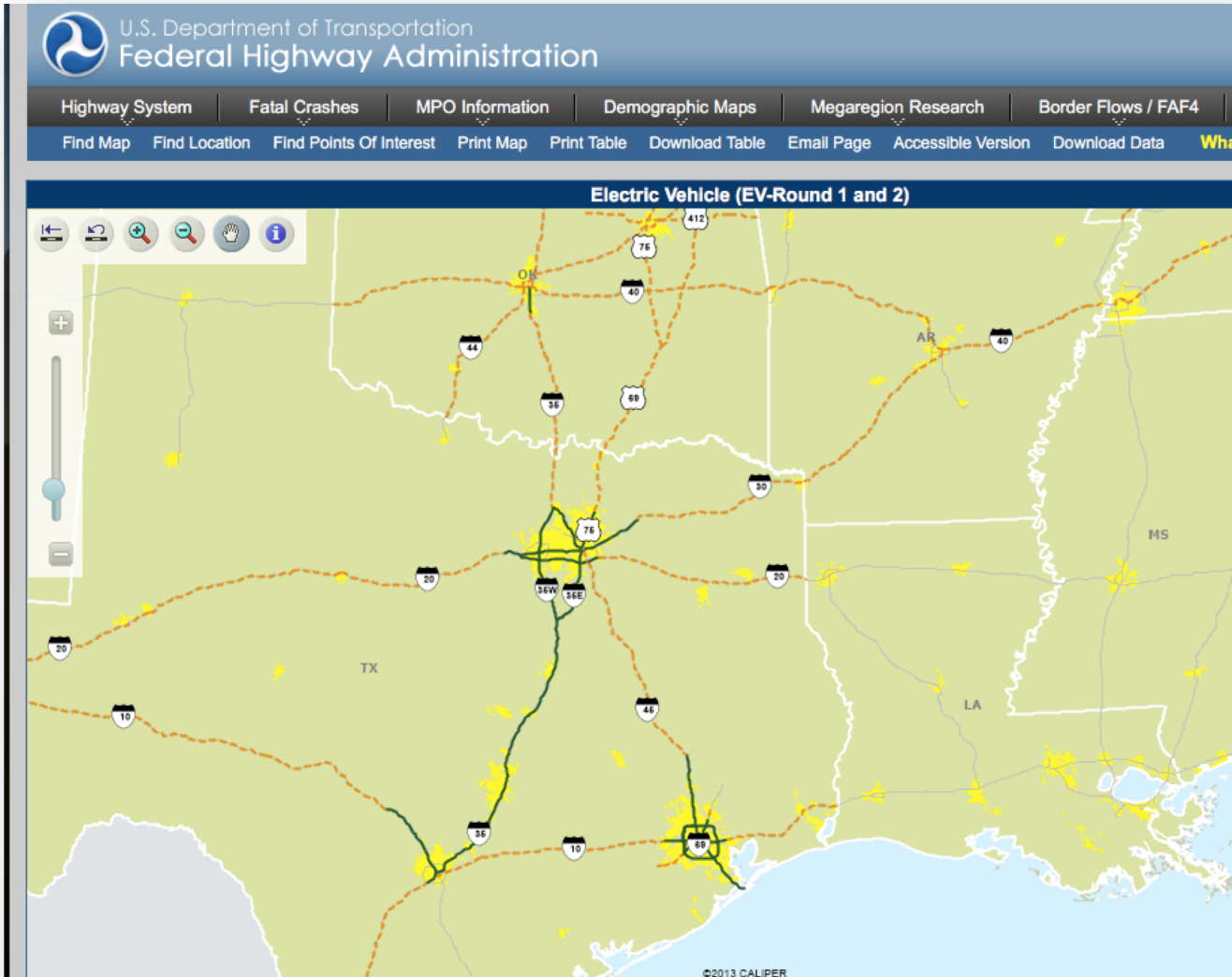


U.S. Department of Energy





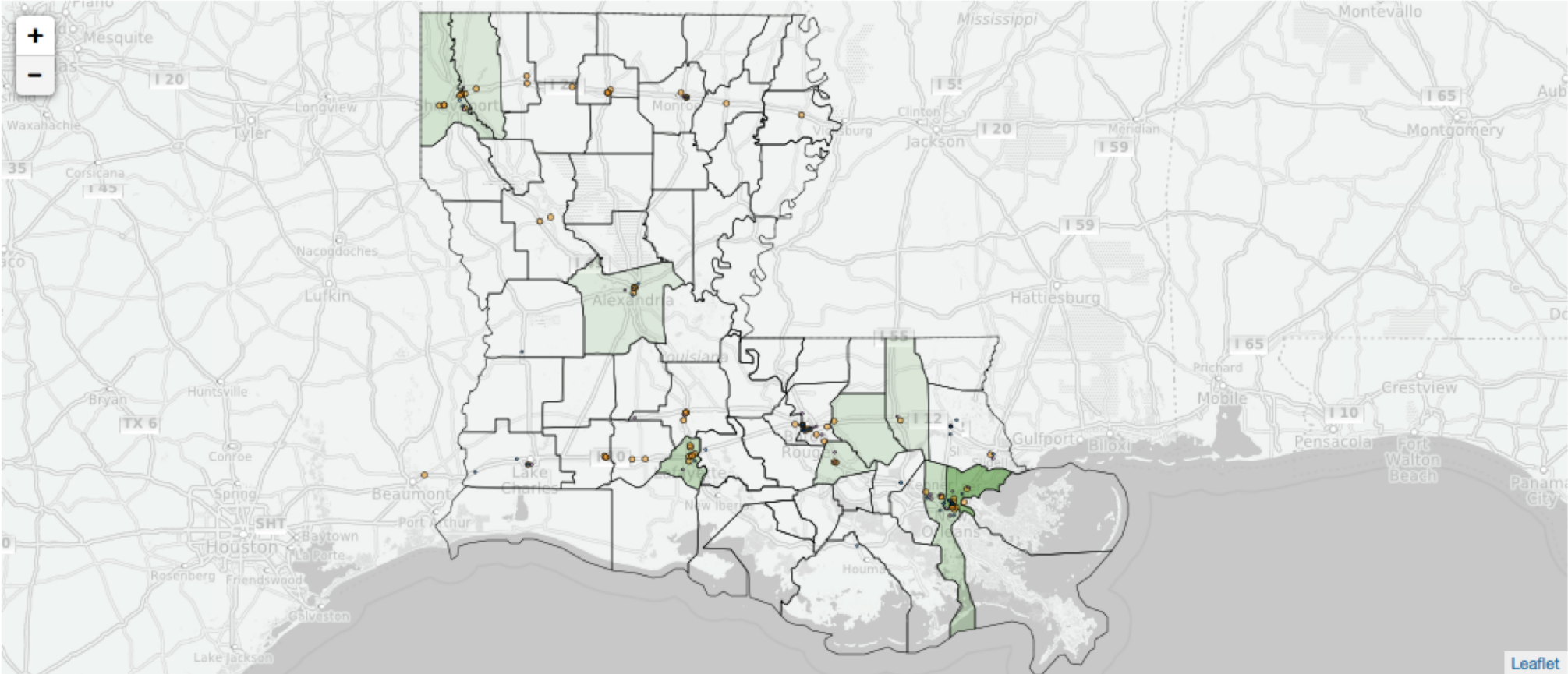
# FHWA Alternative Fuel Corridors - EVSE



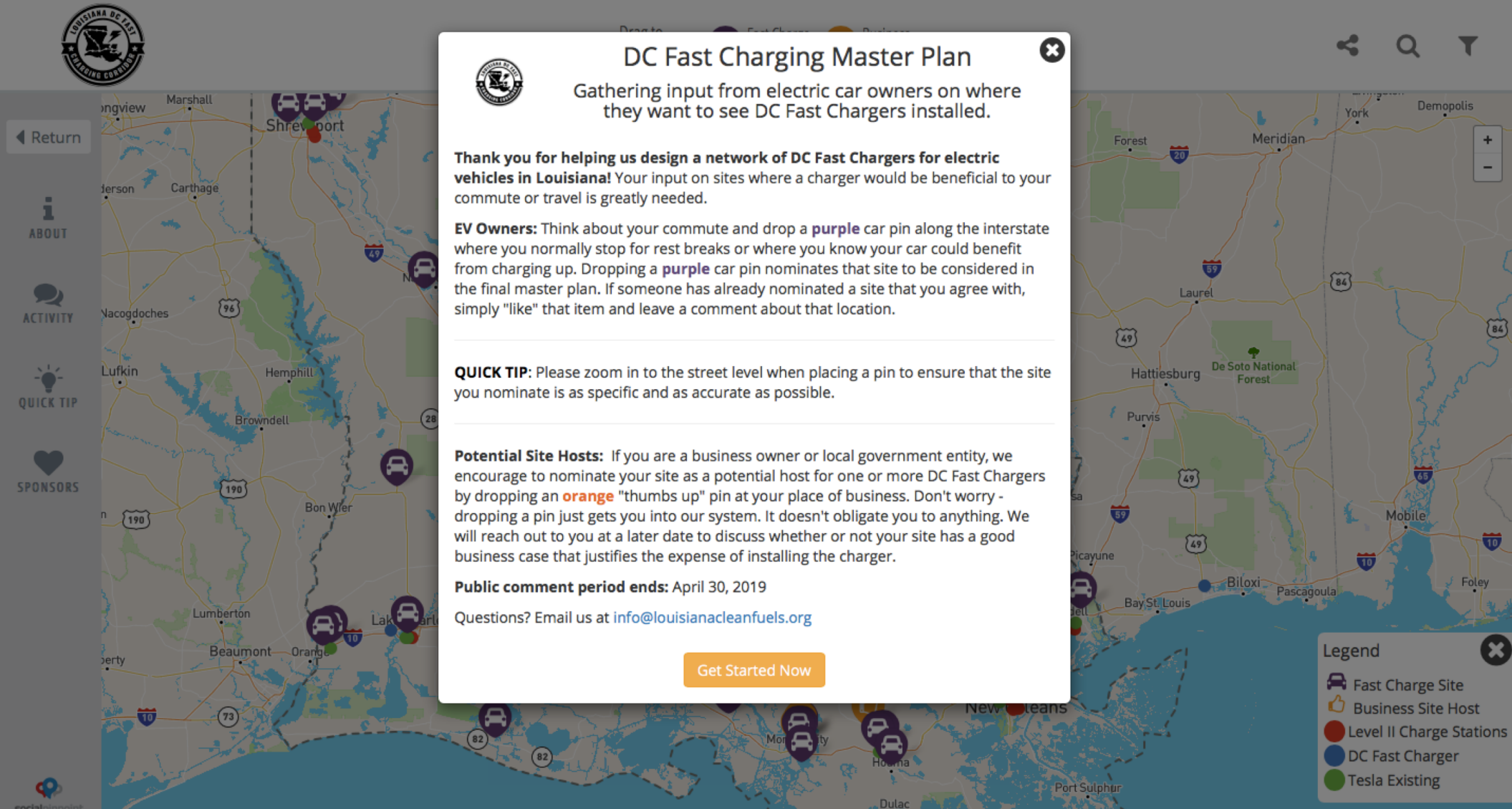
[https://www.fhwa.dot.gov/environment/alternative\\_fuel\\_corridors/](https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/)



## LCF CORRIDOR EVSE MAP



# Crowd Sourcing Website Launched December 2018



**LOUISIANA CLEAN FUELS**  
SPONSORING CORPORA

## DC Fast Charging Master Plan

Gathering input from electric car owners on where they want to see DC Fast Chargers installed.

**Thank you for helping us design a network of DC Fast Chargers for electric vehicles in Louisiana!** Your input on sites where a charger would be beneficial to your commute or travel is greatly needed.

**EV Owners:** Think about your commute and drop a **purple** car pin along the interstate where you normally stop for rest breaks or where you know your car could benefit from charging up. Dropping a **purple** car pin nominates that site to be considered in the final master plan. If someone has already nominated a site that you agree with, simply "like" that item and leave a comment about that location.

**QUICK TIP:** Please zoom in to the street level when placing a pin to ensure that the site you nominate is as specific and as accurate as possible.

**Potential Site Hosts:** If you are a business owner or local government entity, we encourage to nominate your site as a potential host for one or more DC Fast Chargers by dropping an **orange** "thumbs up" pin at your place of business. Don't worry - dropping a pin just gets you into our system. It doesn't obligate you to anything. We will reach out to you at a later date to discuss whether or not your site has a good business case that justifies the expense of installing the charger.

**Public comment period ends:** April 30, 2019

Questions? Email us at [info@louisianacleanfuels.org](mailto:info@louisianacleanfuels.org)

[Get Started Now](#)

**Legend**

- Fast Charge Site
- Business Site Host
- Level II Charge Stations
- DC Fast Charger
- Tesla Existing

Return

ABOUT

ACTIVITY

QUICK TIP

SPONSORS

social@cleancities.org



# LCF is asking EV owners where they need to charge

Fast Charge Site Business Site Host

All Time Load Moderated Data Display Heatmap Blur 50 Radius 50

Activity

Sort: Recent Popular

The University of Louisiana at Lafayette is interested in hosting a fast charger at Cajun Field. We will soon have a Level II charger at that location, but already anticipate demand for a fast charger as well. I have been leading the effort to get the Level II charger at this location and can facilitate this discussion within the University regarding a fast charging site.

View the discussion

7 days ago

Often visit the Youngsville, La area. There are currently no known charging stations at all with a new, relatively large shopping center.

View the discussion

a month ago

Esplanade Mall has a huge parking lot, large electric

Legend

- Fast Charge Site
- Business Site Host
- Level II Charge Station
- DC Fast Charger
- Tesla Existing

© Mapbox © OpenStreetMap Improve this map



# Out of a pool of 1,750 vehicles, 50 unique stakeholders

Open for comments from **13 Dec 2018** to **30 Apr 2019**  Change



## Stakeholder Engagement Summary

**640**

**Total Visits**

**613**

**Unique Users**

**10:28**

**Avg Time (min)**

**50**

**Unique Stakeholders**

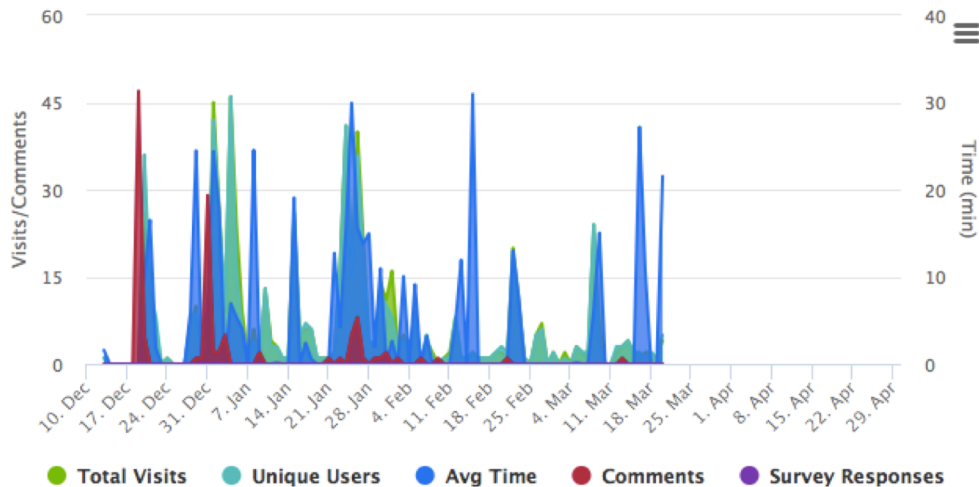
**119**

**Comments**

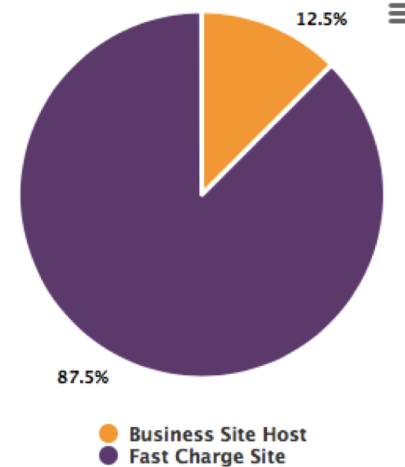
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**Survey Responses**

## Stakeholder Engagement by Day



## Comment Types



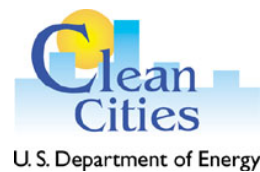
# DC Fast Charging Master Plan

## Phase I

- Plan identifies potential sites
- Presents business case and feasibility of each site
- Creating a “crowd sourcing” website to gather input from the public
- Raised \$10,000 from sponsors SWEPCO and CLECO

## Phase 2

- Outreach meeting in each MPO’s district
- Create toolkits for local governments and potential site hosts
- Seek funding and partners to build out the charging stations  
(Example: VW Funding)





# Recent Alt. Fuel Infrastructure & Fleet Expansions

- 2018: Louisiana receives approval from FHWA for AFV Corridors for CNG, LNG & Propane
- 2018-2019: Electrify America installed 3 charging stations along I-10 Corridor
- 2019: LDEQ orders first electric vehicle and prepares to install EVSE in state garages





## Louisiana Volkswagen Environmental Mitigation Trust

In 2017, Volkswagen AG (VW) agreed to plead guilty to charges that it installed software in its model year 2009-2016 2.0 liter and 3.0 liter diesel cars that circumvented EPA emissions standards using a “defeat device.” These vehicles emit up to 40 times more pollution than emissions standards allow in the form of nitrogen oxides (NOx), a pollutant that harms public health and contributes to ozone or smog formation.

As part of a settlement, states are eligible to receive funds to pay all or part of the cost of projects to reduce emissions from diesel vehicles and to install electric vehicle charging stations. See Appendix D.

The amount paid to each state is based on the number of subject VW vehicles registered in the state. Louisiana’s share is approximately \$19.8 million. To

### Apply:

<https://deq.louisiana.gov/form/volkswagen-eligible-mitigation-action-project-application-state-beneficiary-louisiana>

has to develop a plan for the use of the funds and submit it to the state for approval. The state will use the funds to support environmental quality and agency (beneficiary) projects. Three agencies, the Louisiana Department of Transportation and Development (LDOTD), the Louisiana Department of Environmental Quality (LDEQ), and the Louisiana Department of Natural Resources (LDNR) are the designated beneficiaries.

LDOTD, LDEQ, and LDNR are proposing to pool their funds and target replacement of eligible diesel school buses. The bus replacement program will offer partial funding primarily to school districts to replace their buses with electric, alternative fuel or high-efficiency diesel vehicles.

LDOTD is proposing to use its share of the funds to replace eligible diesel vehicles and heavy equipment with new



LDEQ and LDNR are proposing to pool their funds and target replacement of eligible diesel school buses.

# Thank you!

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