

Louisiana Electric Vehicle Infrastructure Deployment

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Louisiana State Plan
for Electric Vehicle
Infrastructure
Deployment



Louisiana State Plan
August 1, 2022

Louisiana Department of Transportation and Development | 1201 Capital Access Road | Baton Rouge, LA 70802
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Federal Funding

- \$73.1 million – Louisiana – Infrastructure and Jobs Act (IIJA)
 - ❖ Actual FY 2022 Funding = \$10,859,512
FY 2023 Funding = \$15,626,960
 - ❖ National Electric Vehicle Infrastructure (NEVI) Formula Program
 - ❖ Updated Statewide Deployment Plan Approved 10/17/2023

Federal Funding

- Estimated Future Disbursements for DOTD
 - ❖ FY 2024 Funding = \$15,627,068
 - ❖ FY 2025 Funding = \$15,627,081
 - ❖ FY 2026 Funding = \$15,627,114

Disbursement Grant Program

- Up to 80% Federal Match (NEVI Funds)
 - ❖ Minimum 20% Non-Federal Match

- Competitive Selections
 - ❖ Site-specific applications
 - ❖ Selection committee

- Procurement
 - ❖ Single-phase procurement
 - ❖ FHWA Form 1273/Title 23 U.S.C.

- Contracts

Program Goals

- Provide a convenient, reliable, affordable, and equitable charging experience along corridors
- Ensure responsible use of NEVI funds through disbursement, monitoring, reporting, and oversight
- Benefit underserved communities through Justice40 under the Bipartisan Infrastructure Law
 - enacted as the Infrastructure Investment and Jobs Act of 2021

Justice40

- 40% of EV Program benefits are to be delivered to Disadvantaged Communities (DACs)
 - ❖ Tribal Nation, Women, Black, Latino, Asian American Pacific, Indigenous, and other historically underrepresented groups
 - ❖ Charging Sites in DAC's (Access, Zero Emissions)
 - ❖ Affordable Charging Rates
 - ❖ Job Training/ Workforce Development/ Entrepreneurship
 - Disadvantaged Business Enterprise (DBE) Participation
 - Ownership, Installation, Operation, Maintenance, Apprenticeships, On-the-job training

EV Charging – Justice40 Map



Map Legend

Public EV Charging Station (Non Tesla DC Fast, as of July 22, 2022)



FHWA Designated EV Corridors (Rounds 1-6)



EV Corridor Ready - A sufficient number of EV charging stations currently exist (minimum 50-mile intervals)



EV Corridor Pending - An insufficient number of EV charging stations currently exist

Tribal Lands



DOE/DOT Interim Guidance DAC (May 2022)



U.S. Territories

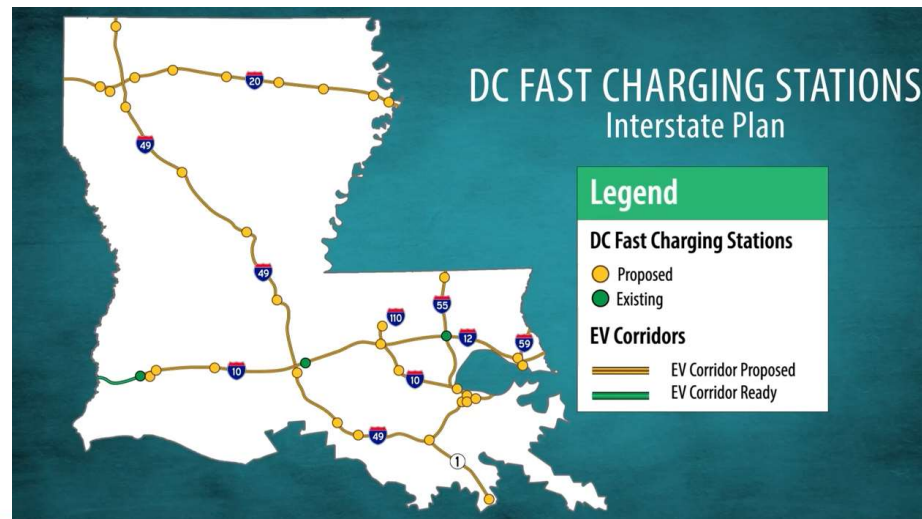


[Electric Vehicle Charging Justice40 Map \(arcgis.com\)](https://arcgis.com)

[Energy Justice Dashboard \(anl.gov\)](https://anl.gov)

Alternative Fuel Corridors

- Electric and Hydrogen Fuel (July 2022)
- I-10, I-12, I-110, I-210, I-610, I-220/Loop LA 3132, I-49 (Future I-910/US 90/US 167), LA 1/LA 3235, I-59, and I-55



Statewide EV Deployment Plan

Louisiana State Plan
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- Direct Current (DC) Fast Chargers
 - ❖ Four 150 kW ports = 600 kW/site

- Phase 1 ~ 30 new and upgraded sites (built-out)
 - ❖ ~120 total DC fast chargers

- Phase 2 ~ 190 new sites beyond corridors
 - ❖ ~760 total EV chargers (may include Level 2)
 - ❖ ~300 DC fast chargers

NEVI Final Federal Rule

- Published in Federal Register 2/28/2023
 - ❖ Minimum Standards
 - Installation and O&M by qualified technicians
 - Interoperability of infrastructure
 - Traffic control devices and on-premise signage
 - Data collection and submission
 - Network connectivity
 - Information through mapping applications

Final Federal Rule

➤ Required:

- ❖ Direct Current (DC) Fast Chargers – Level 3
- ❖ Within 1 Mile of Interstate or Other EV Corridor
- ❖ Cybersecurity Requirements
- ❖ 600 kW Minimum Electric Capacity
- ❖ Build America Buy America (after July 2024)



Final Federal Rule (cont.)

- ❖ Public Use
- ❖ 4 Port Minimum – 4 EV's Simultaneously
- ❖ ADA Compliant
- ❖ 24-hour Accessibility
- ❖ Justice40 – location, cost, workforce, ownership
- ❖ Open Charge Point Protocol (OCPP)/Plug & Charge

Final Federal Rule (cont.)

- ❖ Maximum 50 Miles Apart (Built-out Status)
- ❖ Multilingual Payment System
- ❖ Combined Charging System (CCS) Type 1 Connector
- ❖ OSHA Certification
- ❖ Directional Signage
- ❖ Quarterly and Annual Reporting

Build America, Buy America

- Temporary waiver posted in Federal Register 2/21/2023
- Steel, iron, manufactured products, and construction materials in EV chargers
- Manufactured by 7/1/2024: Full Waiver
- Manufactured after 7/1/2024: Waiver for U.S. components that make up to 55% of the cost of all components

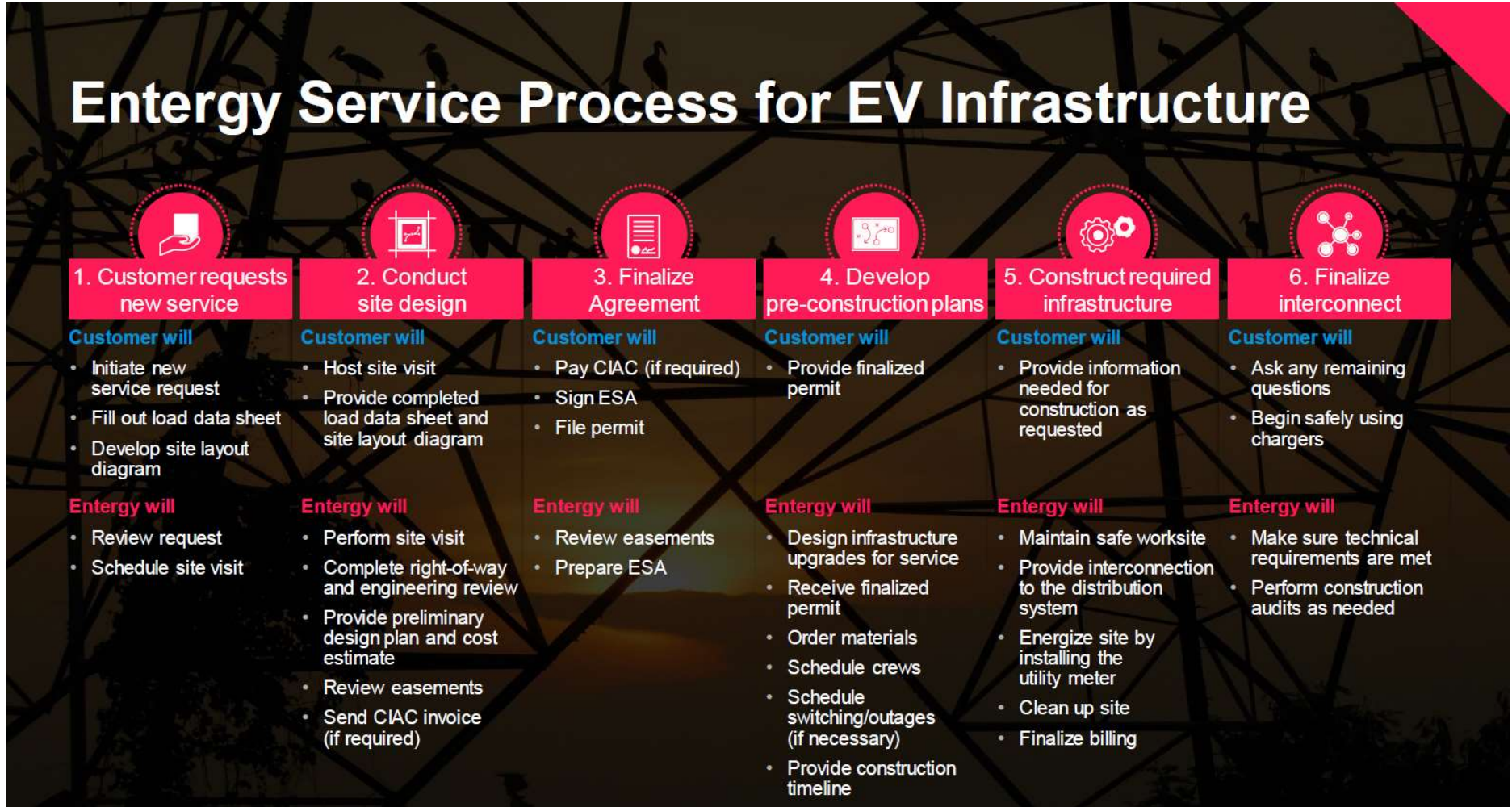
Eligible for Reimbursement

- ❖ Necessary charger components
- ❖ Directional signage
- ❖ Repairs and upgrades to existing chargers
- ❖ On-site renewable energy generation and storage
- ❖ Transformers and other on-site electrical
- ❖ Workforce development related to charging EV's
- ❖ Pre-construction activities (environmental, engineering)
- ❖ Purchase of proprietary adaptors
- ❖ Maintenance and operation costs



Utilities

Entergy Service Process for EV Infrastructure



Entergy Louisiana has given permission to use this slide

Minimum Cybersecurity

- User identity access management
- Appropriate encryption systems
- Intrusion and malware detection
- Event logging and reporting
- Management of software updates
- Secure operation during communication outages



Social Pinpoint

National Electric Vehicle Infrastructure (NEVI) Funding Program

Over the next five years, Louisiana will receive approximately 73 million dollars for electric vehicle (EV) infrastructure through President Biden's Infrastructure Investment and Jobs Act (IIJA). The Louisiana Department of Transportation and Development (LA DOTD) plans to administer the deployment of electric vehicle charging station infrastructure throughout the State.

As part of the EV infrastructure deployment plan, the U.S. Legislature has made National Electric Vehicle Infrastructure (NEVI) Formula Program funds available for expenditure by state transportation agencies. These funds will cover 80 percent of the EV infrastructure expenses with a minimum 20 percent state match covered by grant recipients. To disburse these funds, LA DOTD is developing a competitive grant program that allows for a phased approach to the buildout of electric vehicle supply equipment (EVSE) over five years that meets federal requirements of DC Fast Chargers within one mile of designated corridors. We intend to solicit applications from the general public in the fourth quarter of 2023.

The NEVI program requires each state to submit a deployment plan/update to the U.S. Joint Office of Energy and Transportation annually by August 1. In addition, LA DOTD submitted an updated alternative fuel corridor (AFC) nomination to FHWA on June 15, 2023 to designate routes for electric chargers and hydrogen fuel. The AFC nomination is important to the overall NEVI program as we hope to provide connectivity between charging stations within Louisiana and across State lines.

Sign up for updates on our EV grant program through MyDOTD by visiting [La DOTD - MyDOTD](#) and selecting the option to "Sign Up Now" to create an account, or sign in to customize your alerts and select "Electric Vehicle Grant Program".

Louisiana State Plan for Electric Vehicle Infrastructure Deployment

 [Click Here](#) to view the Electric Vehicle Infrastructure Deployment Plan approved by the Federal Highway Administration. (Updated 08/21/2022)

 [Click Here](#) to view the Louisiana EV Infrastructure Deployment presentation slides.

 [Click Here](#) to view the Louisiana Clean Fuels NEVI Presentation (Updated 11/10/2022)

 [Click Here](#) to view the Notice of Intent Respondents (Regularly Updated)

 [Click Here](#) to view the EV Infrastructure Stakeholders (Regularly Updated)





Please send comments and inquires to: DOTD-EVProgram@la.gov.

Please also take our [public survey](#).




Watch our YouTube video: [Electric Vehicle Infrastructure Plan](#). (Revised 9/27/2022)

Resources:

<input type="checkbox"/> Type	Name	Modified	File Size
	Alternative Fuel Corridor	8/15/2023 1:52 PM	
	Notice of Intent	8/15/2023 1:52 PM	
	Press Releases	8/15/2023 1:52 PM	
	Requirements	8/15/2023 1:52 PM	
	Tools	8/15/2023 1:52 PM	
	Websites	8/15/2023 1:52 PM	

Social Pinpoint



Interactive Map

Drop a Pin

We encourage you to use the interactive map to identify new charging sites, preferred charging types, and provide comments.

[See Project Map](#)

The image shows a laptop and a smartphone displaying the DOTD Interactive Map. The laptop screen shows a map of Louisiana with a pop-up window titled "Louisiana Electric Vehicle (EV) Charging Infrastructure Plan". The smartphone screen shows a similar view with a red pin dropped on the map. The DOTD logo is visible on both screens.

[Louisiana Electric Vehicle \(EV\) Charging Infrastructure Plan | Social Pinpoint \(mysocialpinpoint.com\)](#)

Resources

- U.S. Joint Office of Energy and Transportation
 - ❖ www.DriveElectric.gov
- Alternative Fuels Data Center
 - ❖ www.AFDC.Energy.gov
- Justice40
 - ❖ <https://www.energy.gov/diversity/justice40-initiative>
- DOTD EV Infrastructure Deployment
 - ❖ [EV-Infrastructure \(la.gov\)](http://EV-Infrastructure.la.gov)

Contact

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