



Arkansas Electric Vehicle **INFRASTRUCTURE DEPLOYMENT PLAN**

Arkansas House Committee on Public
Transportation October 10, 2022

National Electric Vehicle Infrastructure Formula Program

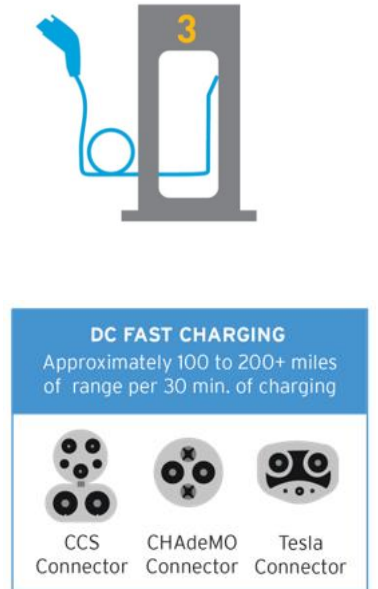
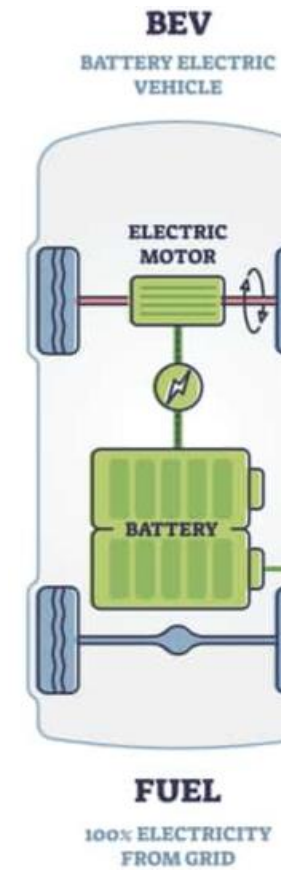
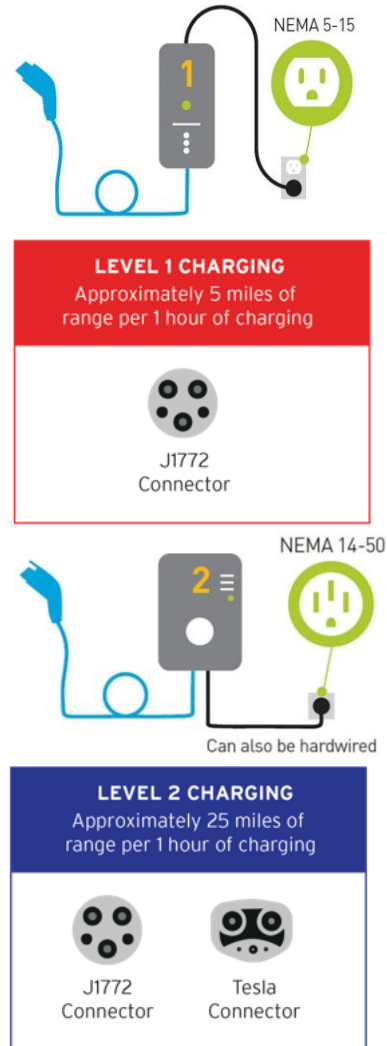
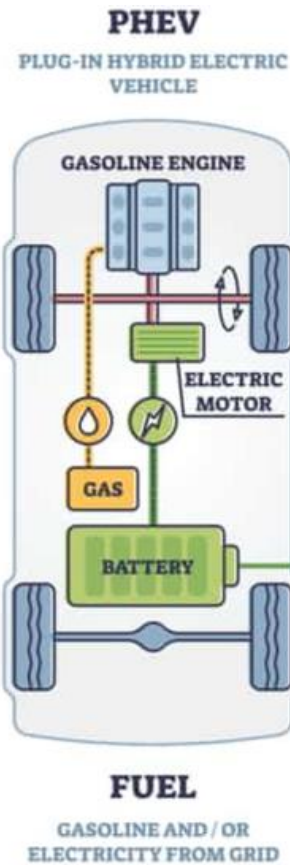
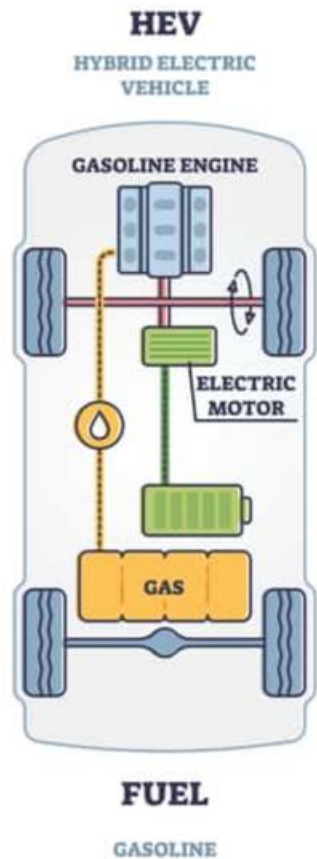
Bipartisan Infrastructure Law



Program Guidance

Federal Highway Administration
February 10, 2022

EV Basics



Source: www.mechanicbase.com/electric/electric-vs-hybrid-vs-plug-in-differences

National Electric Vehicle Infrastructure (NEVI) Program

\$7.5B in IIJA Funding for Charging Infrastructure

- \$5B National EV Infrastructure (NEVI) Formula Program
 - \$54.1M to Arkansas over five years
- \$2.5B in Competitive Grants
 - \$1.25 for Corridor Charging/Fueling
 - \$1.25 for Community Charging/Fueling
 - For EV, hydrogen, propane, and natural gas fueling station infrastructure



Federal Highway Approved Alternative Fuel Corridor Signage

National Electric Vehicle Infrastructure (NEVI) Program

Interstate Highways & Designated AFCs must be “fully built out” to the following standards:

- Charging Stations every 50 miles
- Charging Stations within 1 travel mile of exits
- Publicly accessible DC Fast Charging Stations with:
 - At least Four 150kW DC Fast Chargers
 - Must have Combined Charging System (CCS) ports
 - Must simultaneously charge four EVs at 150kW continuously for 600kW total power
- Charging Stations must be operational

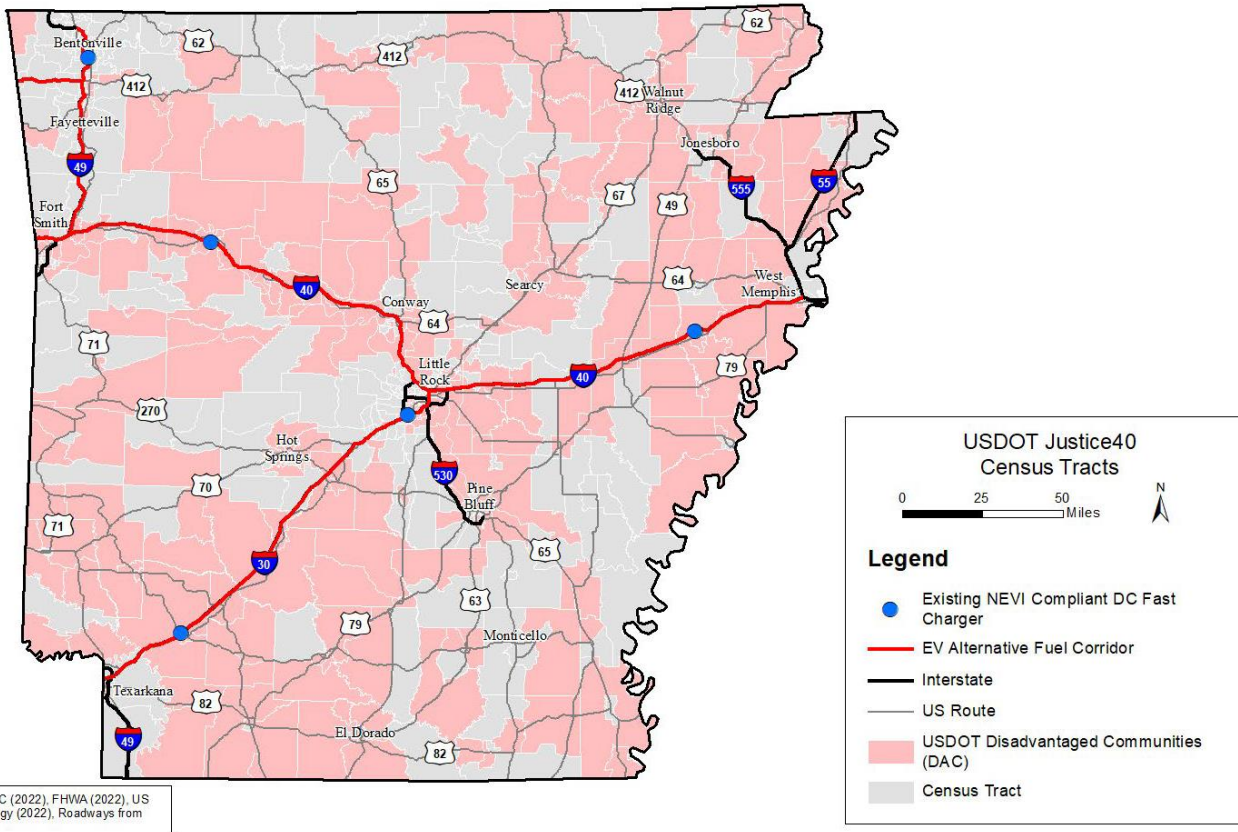


Electrify America Charging Stations at Walmart

National Electric Vehicle Infrastructure (NEVI) Program

Equity Considerations:

1. NEVI requires 40 percent of Federal benefits to be targeted toward disadvantaged communities.
2. Within Arkansas, more than 40% of AFC roadways pass through federally recognized disadvantaged communities.
3. Additional Equity considerations may also include final station locations and number of jobs from installation and maintenance, based on available data.



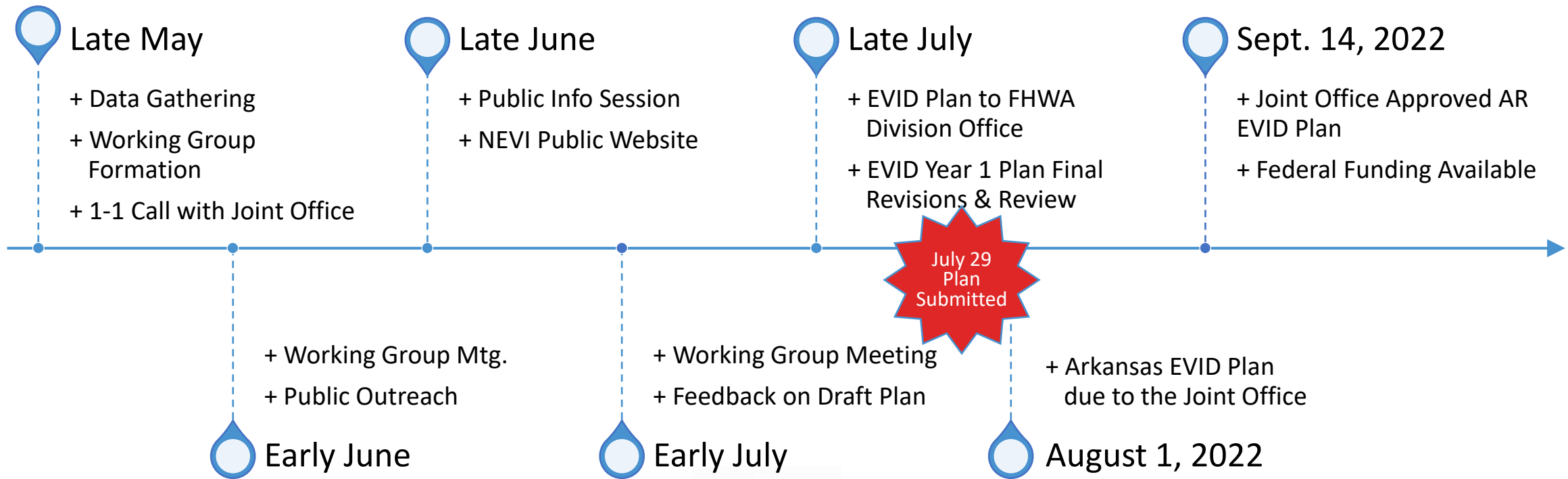
National Electric Vehicle Infrastructure (NEVI) Program

Additional Federal Issues:

- 1. Buy America Waiver** – applies to the obligation of NEVI Funds until a final waiver is published in the Federal Register.
- 2. Title VI of the Civil Rights Act of 1964** – applies to projects funded under the NEVI Formula Program.
- 3. Disadvantaged Business Enterprise Program** – does not apply to NEVI Funds and States may not establish DBE goals
- 4. Accessibility Guidance for Charging Station** – States are encouraged to consider the application of U.S. Access Board technical assistance



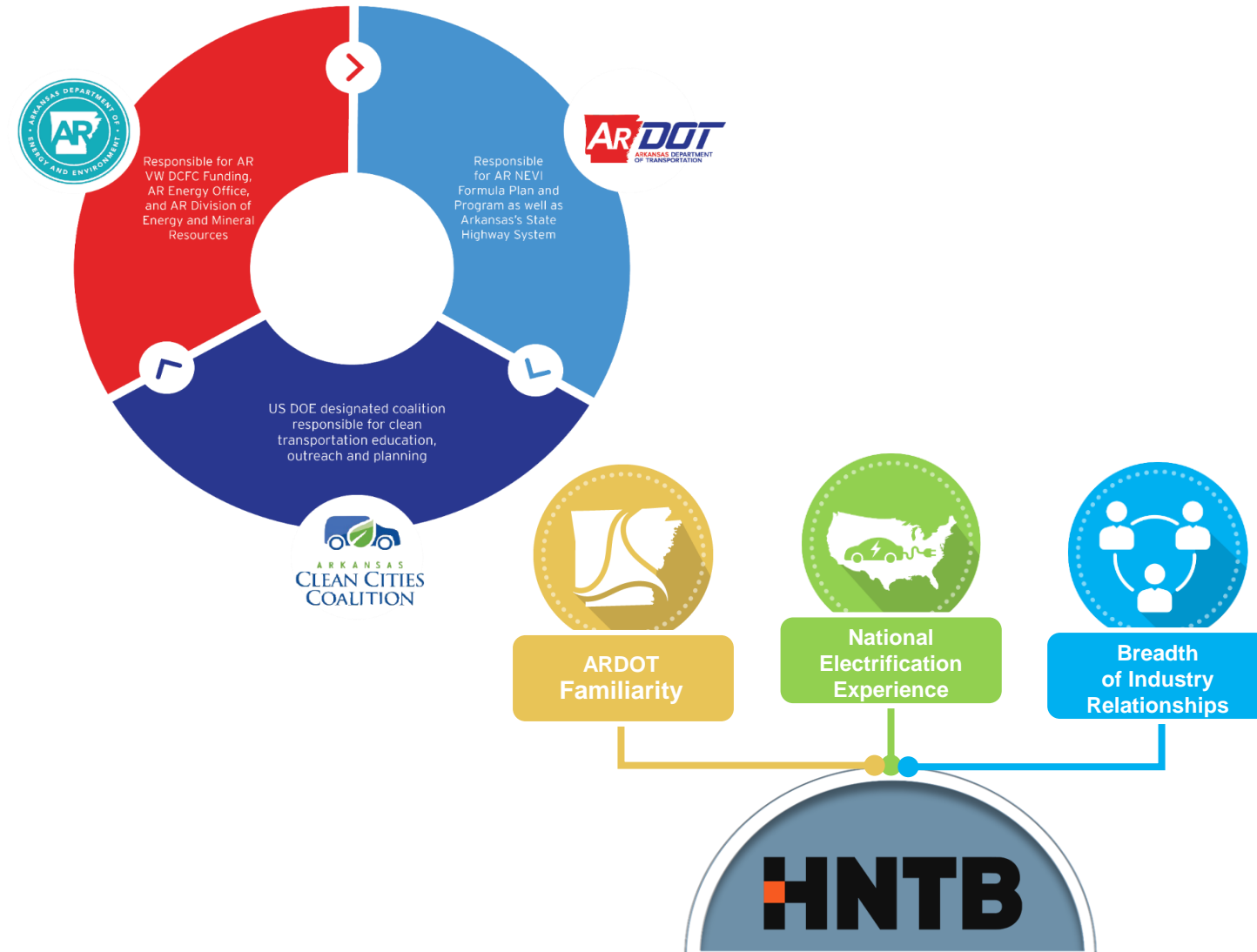
Arkansas EVID Plan Development Process



Arkansas EVID Plan Development Process

- Introduction
- State Agency Coordination
- Public Engagement
- Plan Vision & Goals
- Contracting
- Existing & Future Condition Analysis
- EV Charging Infrastructure Deployment
- Implementation
- Civil Rights
- Equity Considerations
- Labor & Workforce Considerations
- Cybersecurity
- Program Evaluation
- Discretionary Exceptions

Arkansas EVID Plan Development Process



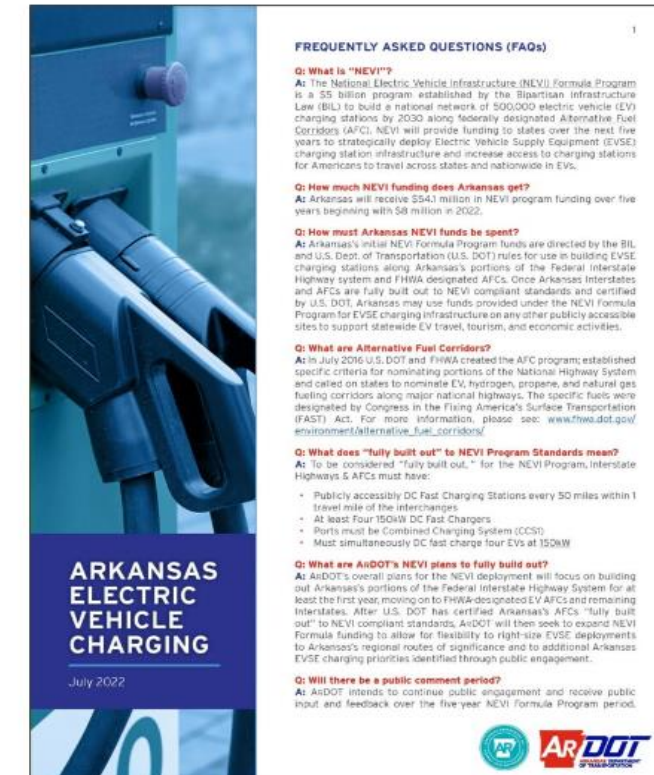
Arkansas EVID Plan Development Process

Virtual Public Involvement Meeting
Tuesday, June 21, 2022
From 4:00 – 5:00 p.m. CDT

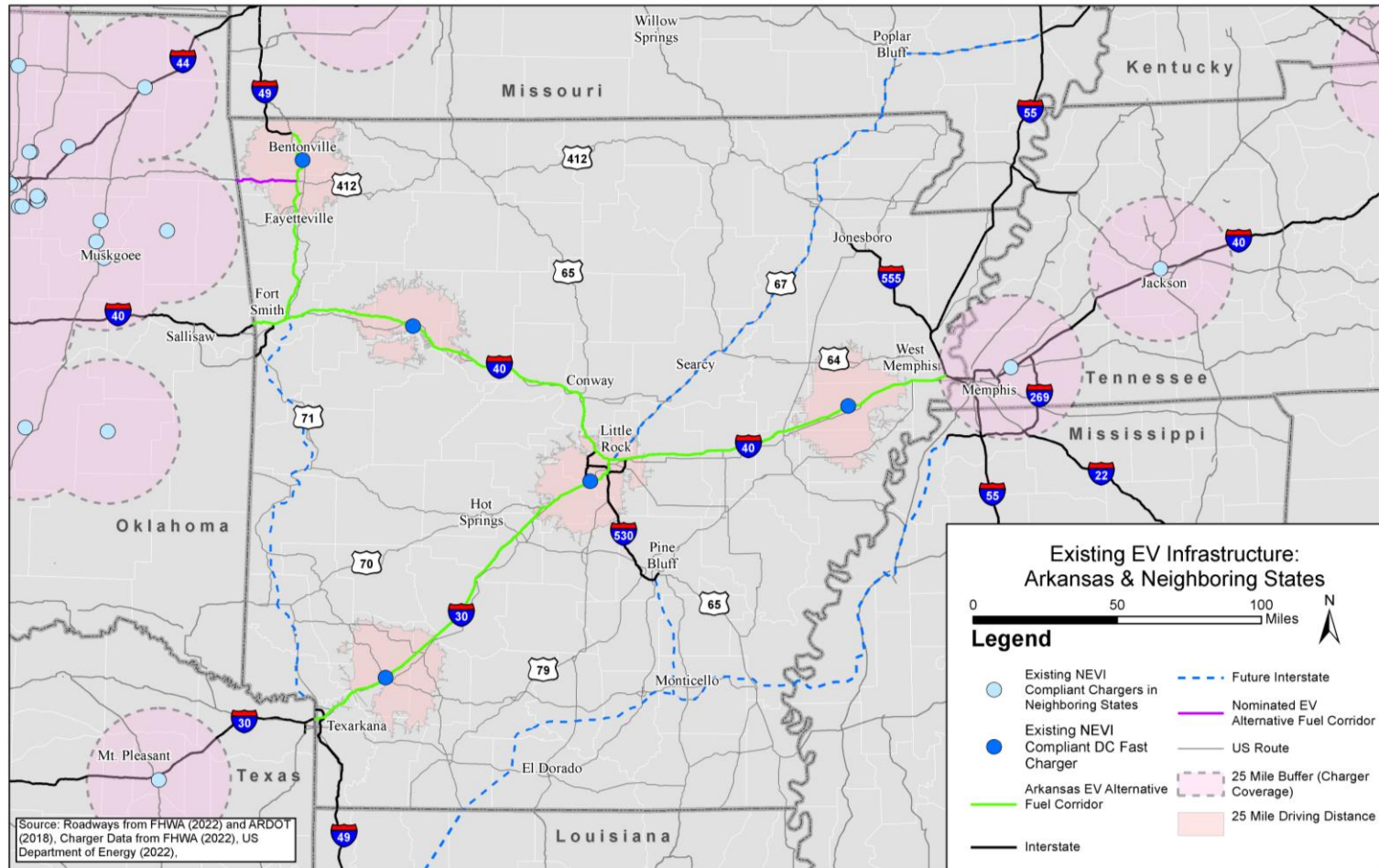
[Click here to view the virtual public meeting presentation slides.](#)

FAQs


Click image below for frequently asked questions about the National Electric Vehicle Infrastructure (NEVI) Formula Program.



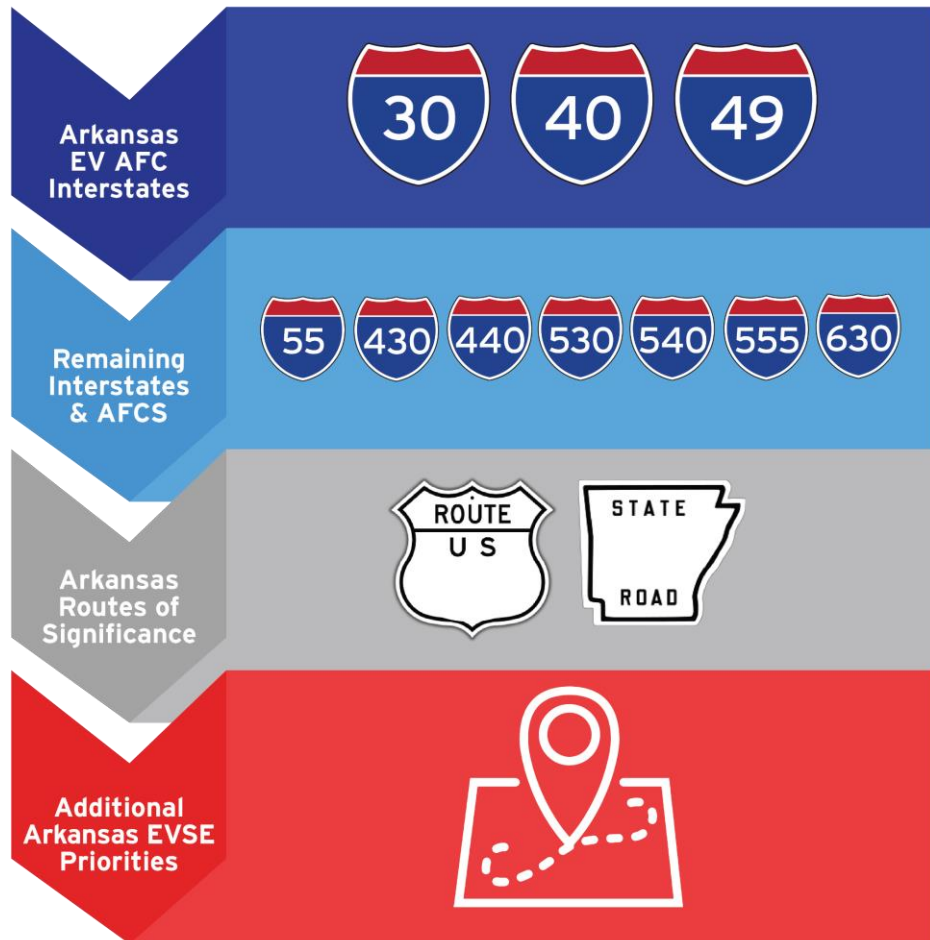
Arkansas EVID Plan Development Process



Neighboring State DOT Coordination

		
Coordination on Interstates 49, 55, and other routes of significance	Coordination on Interstate 40, and other routes of significance	Coordination on US routes of significance
		
Coordination on Interstate 49 and other routes of significance	Coordination on Interstate 30 and other routes of significance	Coordination on Interstate 40, US 412, and other routes of significance

Arkansas EVID Plan



ARDOT EV Plan Objective:

100% of Arkansas Interstates and Designated AFCs “fully built out” to NEVI Program standards.

ARDOT EV Plan Strategies:

- Spur local market investments in EV charging stations.
- Competitive procurement program that awards NEVI funds to owner-operators.

Arkansas EVID Plan

NEVI FY22-FY23 Competitive Procurements

Eligible Applicants

Station site host,
owner-operators
may apply for
NEVI funds

Private business,
public entity, or
partnership
between both

ARDOT will not host,
own, or operate
charging stations

Location Eligibility

Interstates and
Designated
EV AFCs

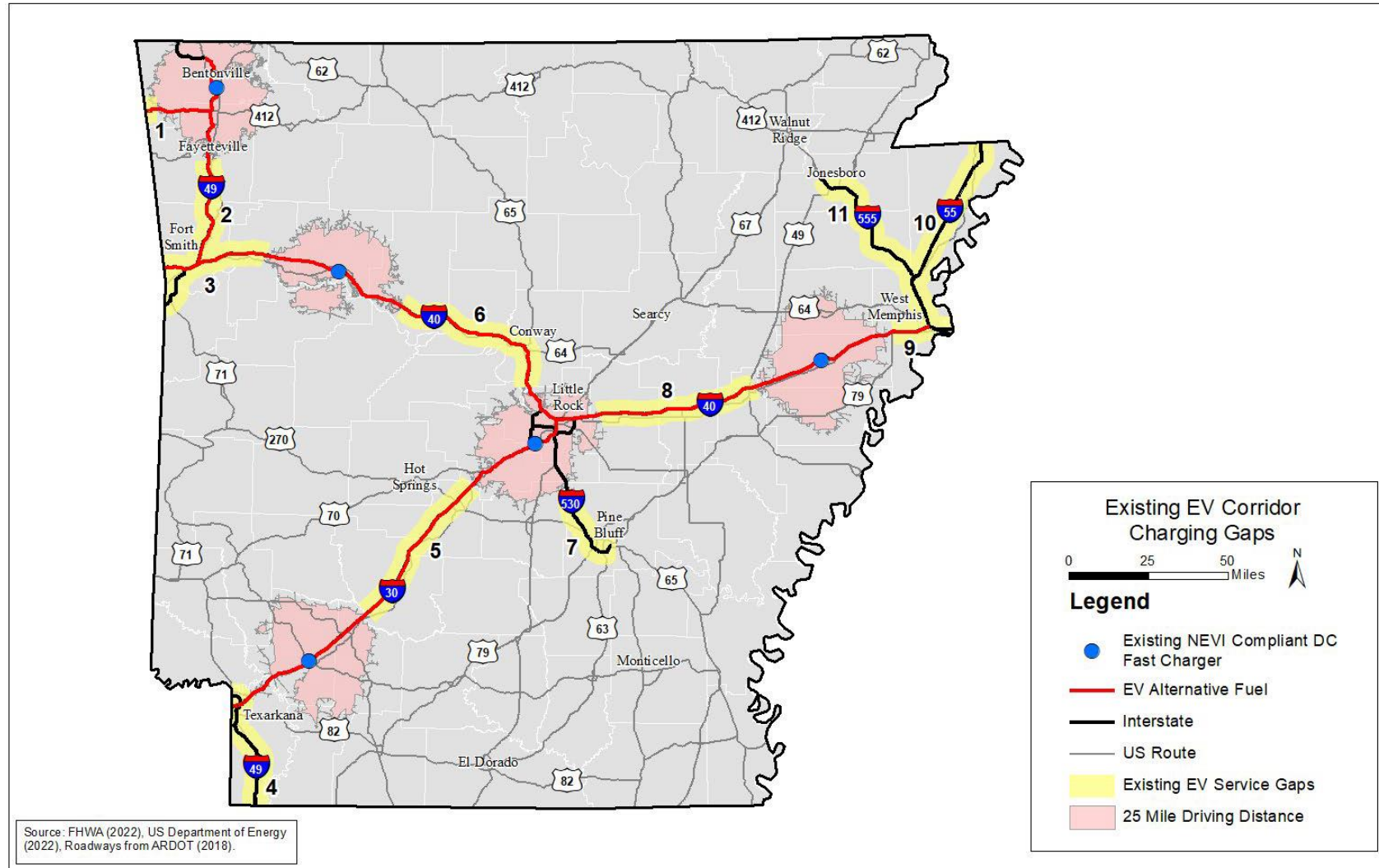
Eligible
interchanges
in gap areas

Selection Criteria

Site meets
NEVI
Program
minimum
requirements
and bonding
agreement

Scored based
on site
readiness,
amenities,
accessibility,
cost, etc.

Arkansas EVID Plan



Arkansas EVID Plan Next Steps

Competitive Procurements

Design competitive procurement program to ensure ARDOT's ability to achieve NEVI Formula compliance and meet Arkansas NEVI goals.

Publicize RFP, Select Awardees

Create and publicize RFP to ensure widest possible applicants for NEVI funds.

Select awardees based on minimum NEVI compliance and ARDOT scoring criteria.

Execute Contracts with Awardees

Develop contracts that include pertaining federal laws, NEVI program rules, Arkansas state laws, and ARDOT agency rules, such as bonding agreements, and execute contracts with parties awarded NEVI funding for EVSE.

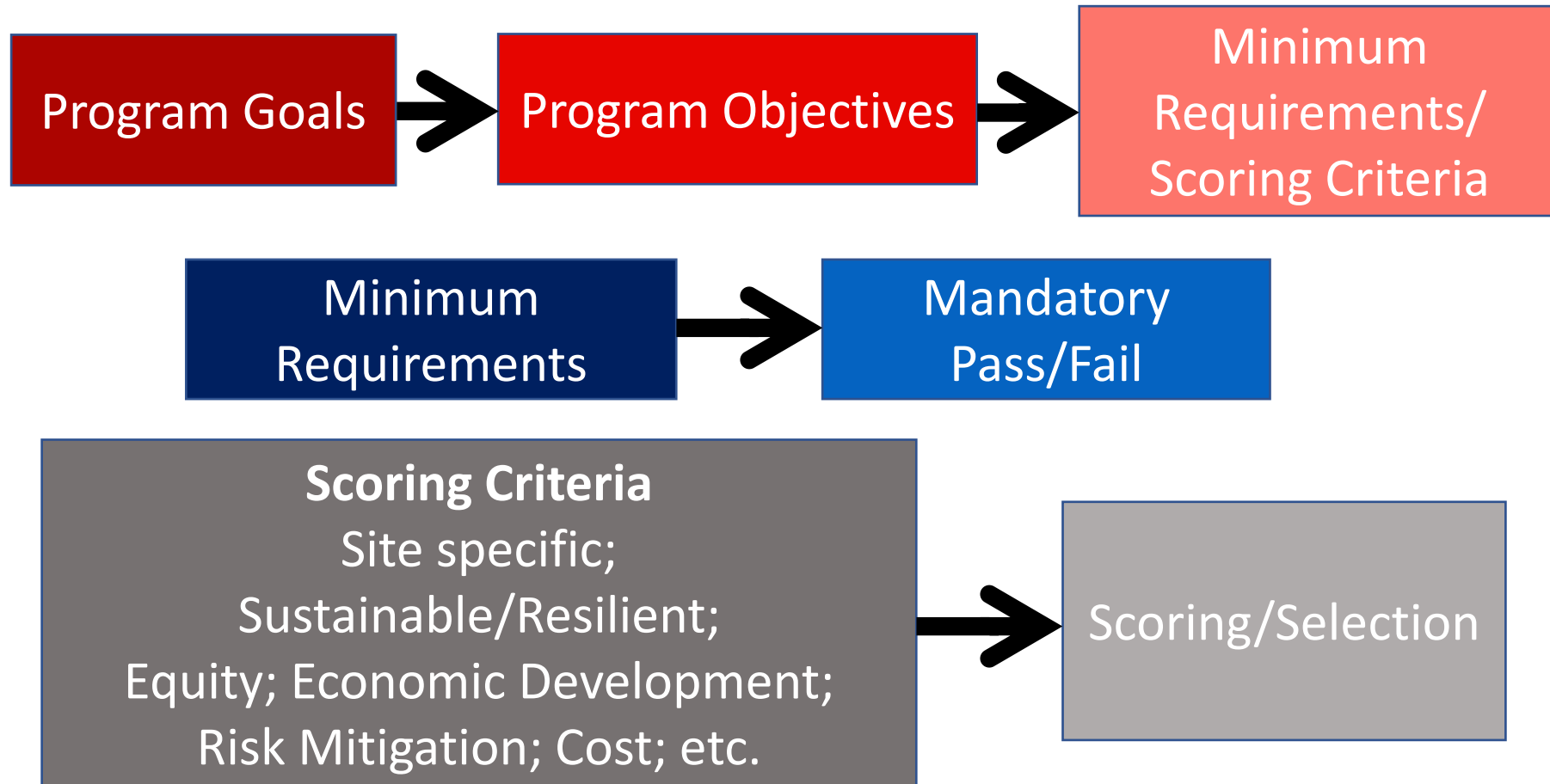
Program Management

Ensure awarded parties provide all contractually required data and reporting to ARDOT, US DOT.

Ensure all charging stations funded by NEVI are compliant with uptime, accessibility, etc.

Arkansas EVID Plan Next Steps

Scoring Criteria Framework



Arkansas EVID Plan Next Steps

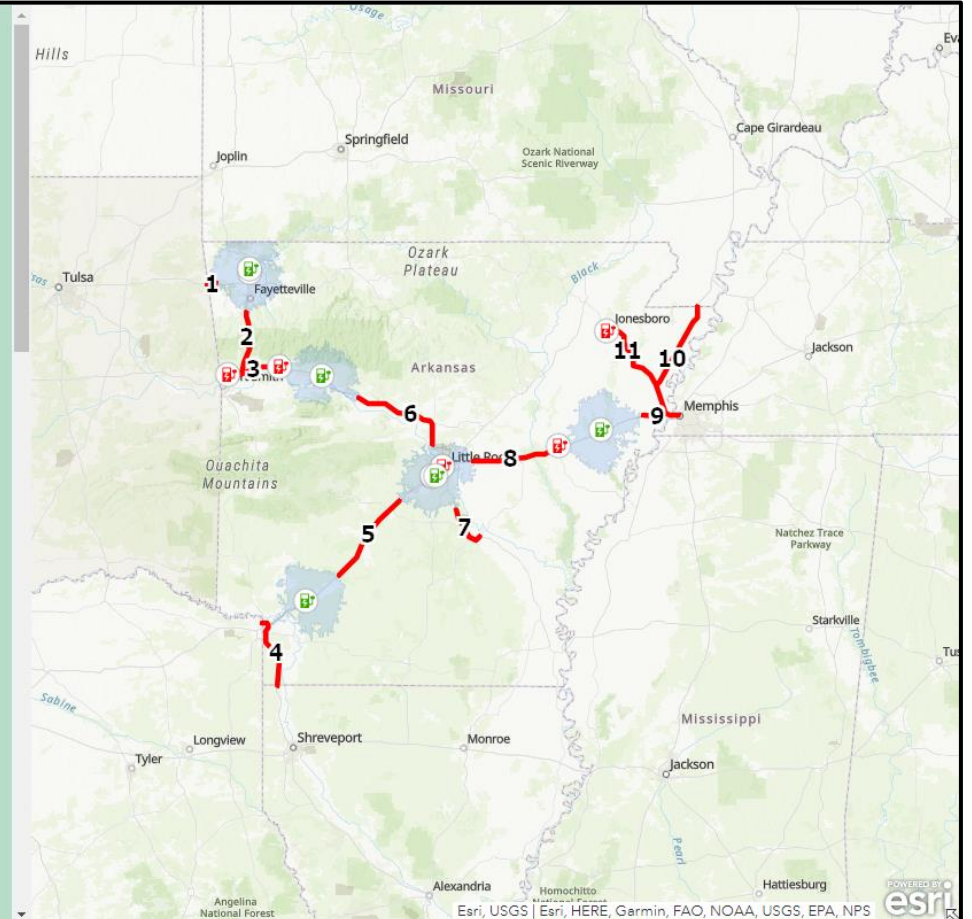


EV Charging Location Prioritization

Eleven gaps have been identified between 25 mile charging service areas. These gaps (and the exit areas along them) can be explored using the web map. Your feedback is valuable to the implementation of this program. (For more detailed information and links to program documents see the box at the bottom of this page.)

Which of these best describes you?

- ☐ Arkansas resident
- ☐ Motorist that passes through Arkansas
- ☐ Public / Private Sector interested in installing an EV charger



The National Electric Vehicle Infrastructure (NEVI) Formula Program is a \$5 billion federal government program. NEVI will provide funding to states over the next five years to strategically install electric vehicle (EV) charging stations. Arkansas is set to receive \$54.1 million in NEVI funding over the next five years. For more information regarding NEVI, please see our [Frequently Asked Questions \(FAQs\) document](#).

Arkansas is required to first use NEVI Formula Program funds along Arkansas' portions of the Federal Interstate Highway system and FHWA designated Alternative Fuel Corridors (AFCs). EV charging stations will be installed in phases over the next 5 years and the Federal Interstate Highway system and FHWA-designated AFCs will be in the first phase to meet NEVI Formula Program requirements. For further information on the remaining phases, please see the [Arkansas Electric Vehicle Infrastructure Deployment Plan](#). Once Arkansas complies with NEVI standards, ARDOT can move off the interstate and into the next phases.

The NEVI Formula Program requires EV charging sites to be every 50 miles. In Arkansas, there are currently 11 gaps to fill with EV charging stations. Please provide your feedback on the development priority for phase 1 gaps.

Arkansas EVID Plan Next Steps

Year	Funding & Deployment Priorities	Federal Funds	Matching Funds
2022	Interstates & Designated EV AFCs	\$8,010,850	\$1,602,170
2023	Remaining Interstates & AFCs	\$11,527,808	\$2,305,561
2024	Routes of Significance	\$11,527,808	\$2,305,561
2025	Routes of Significance	\$11,527,808	\$2,305,561
2026	Additional Arkansas Priorities	\$11,527,808	\$2,305,561
	Sub-Totals	\$54,122,082	\$10,824,414
	Total Funding	\$64,946,496	



For More Information

Website: www.ardot.gov/evplan

Email: ardot_nevi@ardot.gov