

# Arkansas Electric Vehicle **INFRASTRUCTURE DEPLOYMENT PLAN**

Highway Commission Review and Advisory  
Committee  
August 25, 2022

## National Electric Vehicle Infrastructure Formula Program

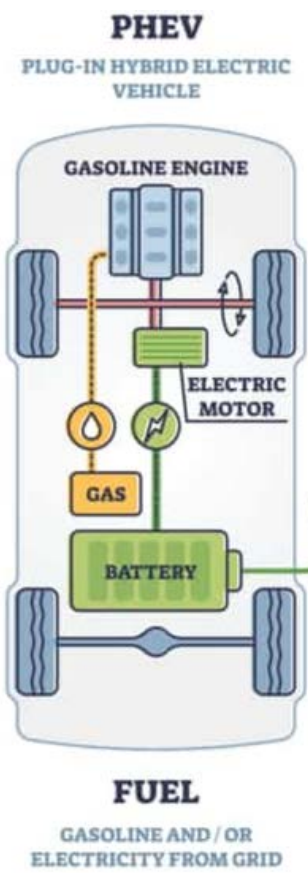
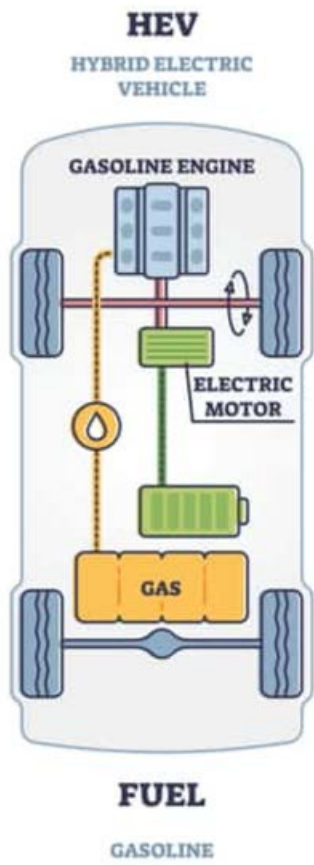
Bipartisan Infrastructure Law



### Program Guidance

Federal Highway Administration  
February 10, 2022

# EV Basics

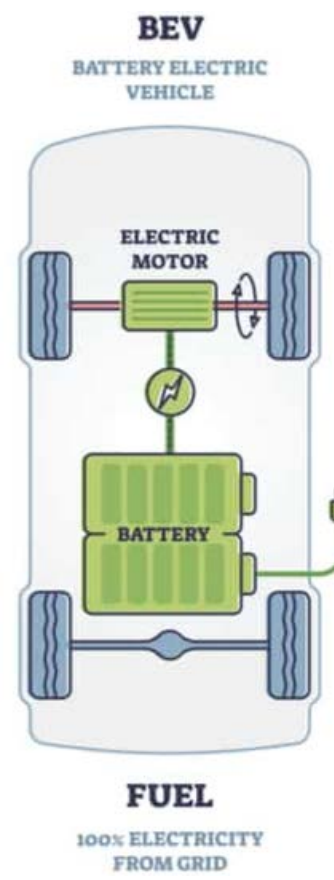


**LEVEL 1 CHARGING**  
Approximately 5 miles of range per 1 hour of charging

J1772 Connector

**LEVEL 2 CHARGING**  
Approximately 25 miles of range per 1 hour of charging

J1772 Connector    Tesla Connector



**DC FAST CHARGING**  
Approximately 100 to 200+ miles of range per 30 min. of charging

CCS Connector    CHAdeMO Connector    Tesla Connector

Source: [www.mechanicbase.com/electric/electric-vs-hybrid-vs-plug-in-differences](http://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

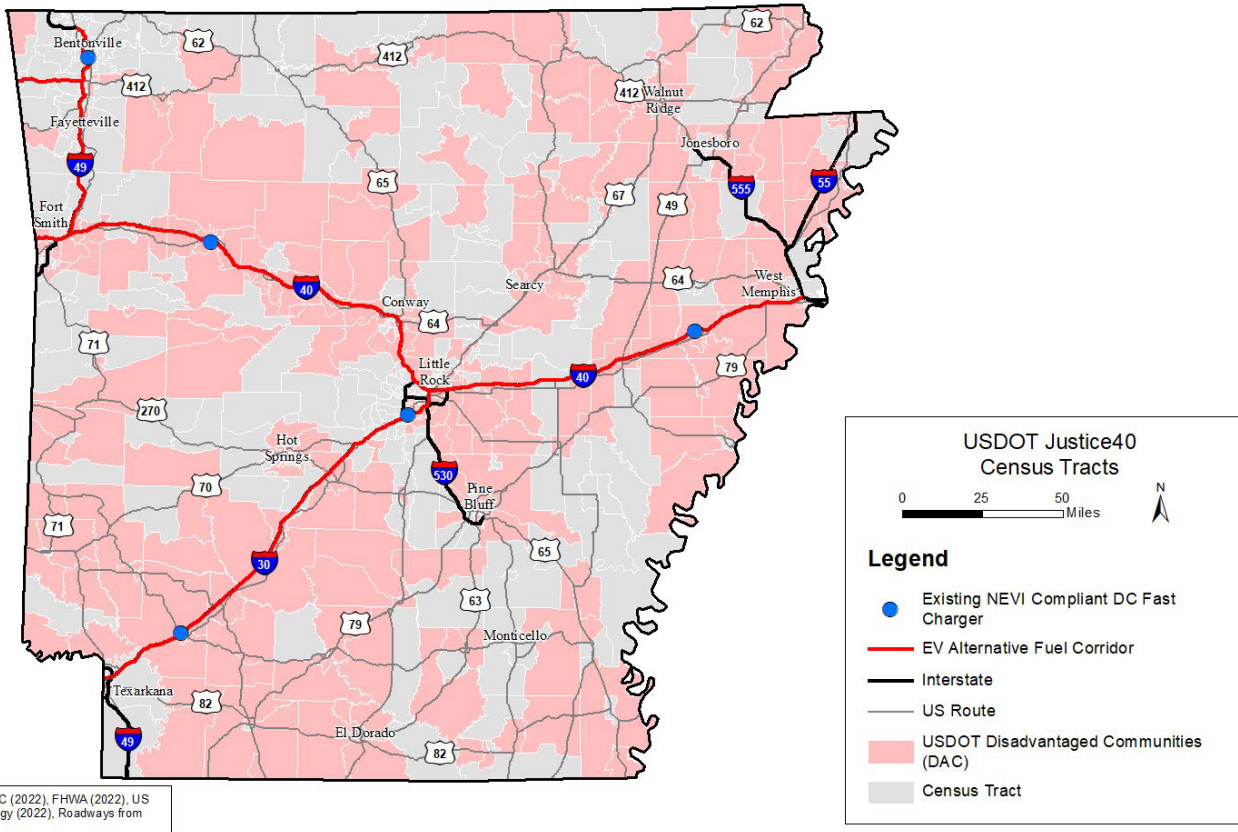


Electrify America Charging Stations at Walmart

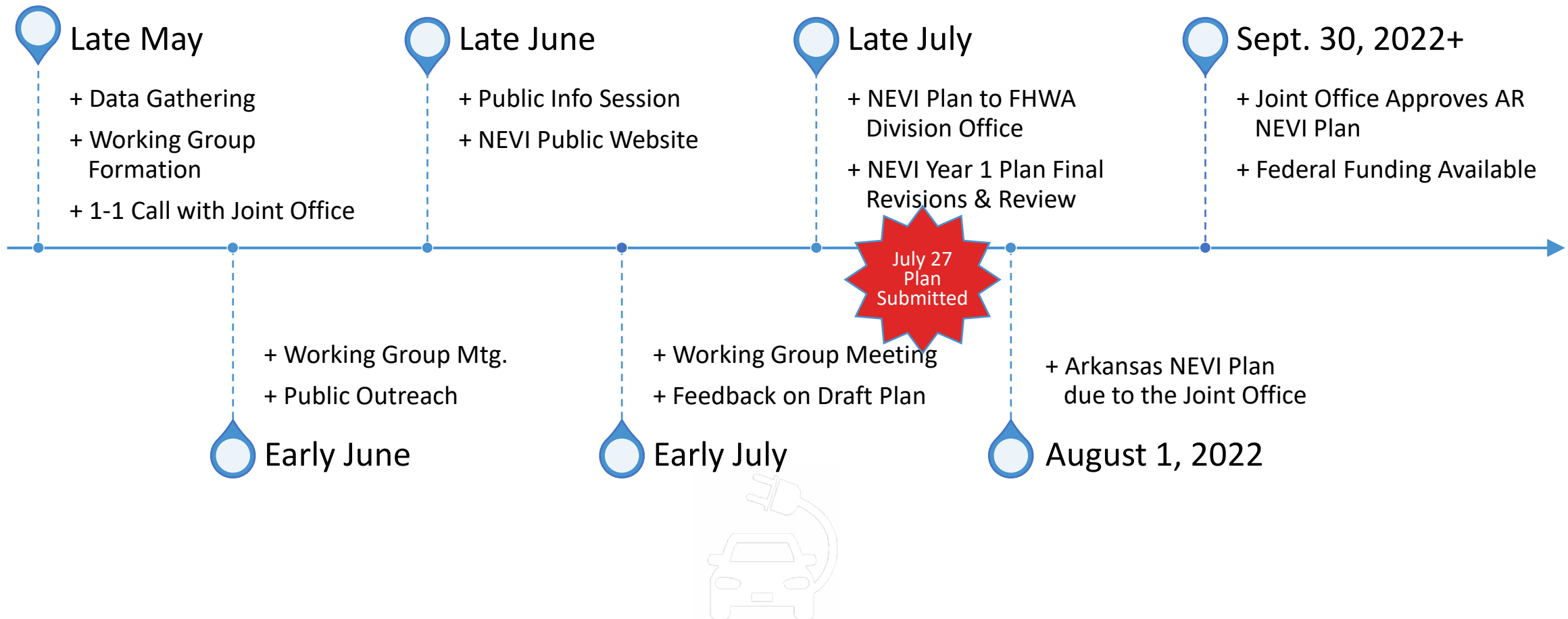
# National Electric Vehicle Infrastructure (NEVI) Program

## 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.



# Arkansas EVID Plan Development Process

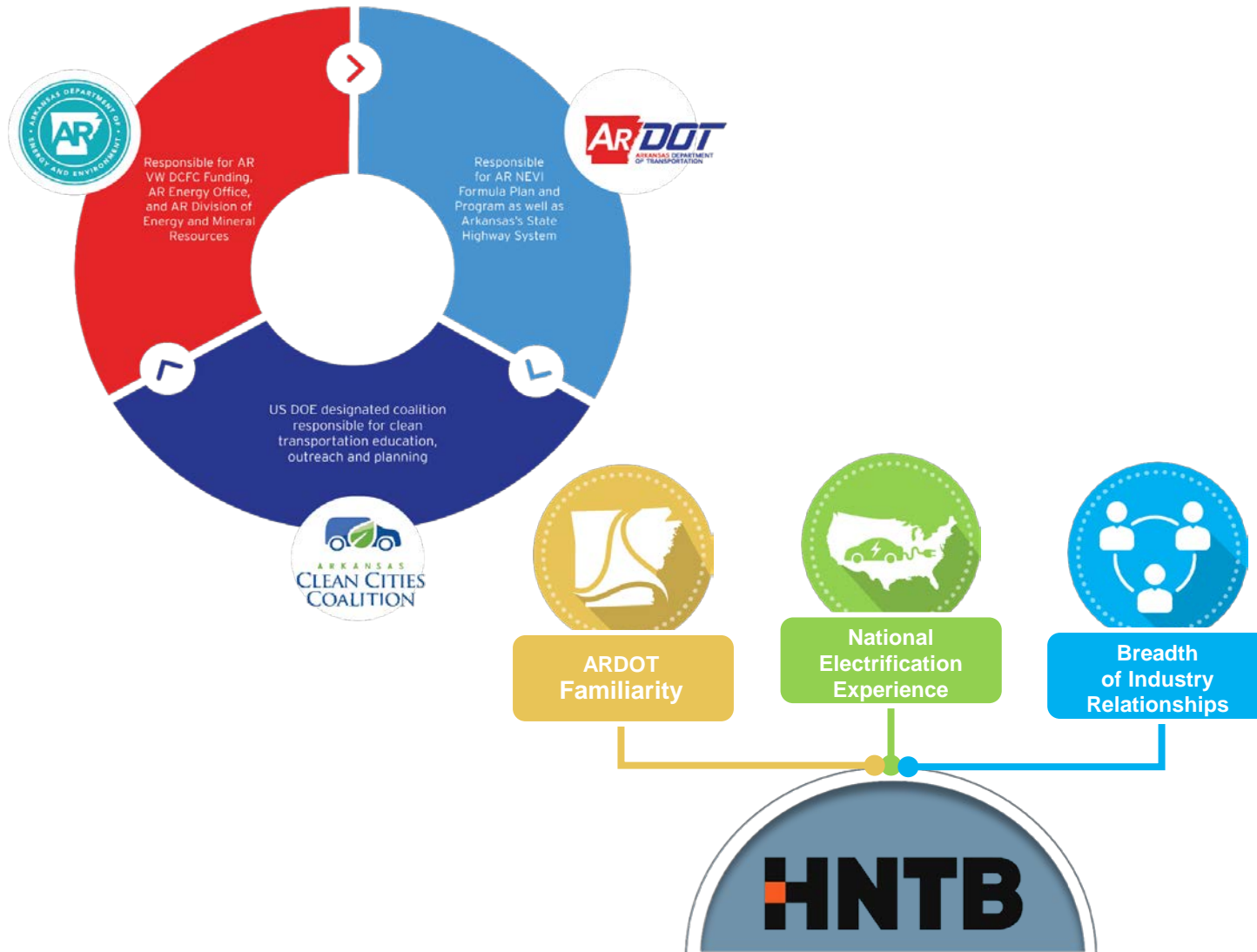


# Arkansas EVID Plan Development Process

- 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



		
		
	<b>Arkansas Metropolitan Planning Organizations</b>	
 		



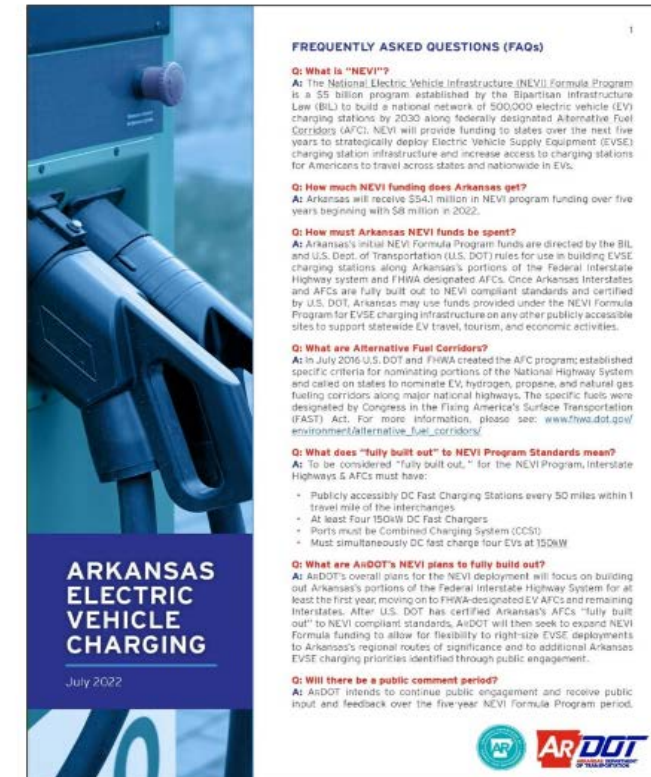
# Arkansas EVID Plan Development Process

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

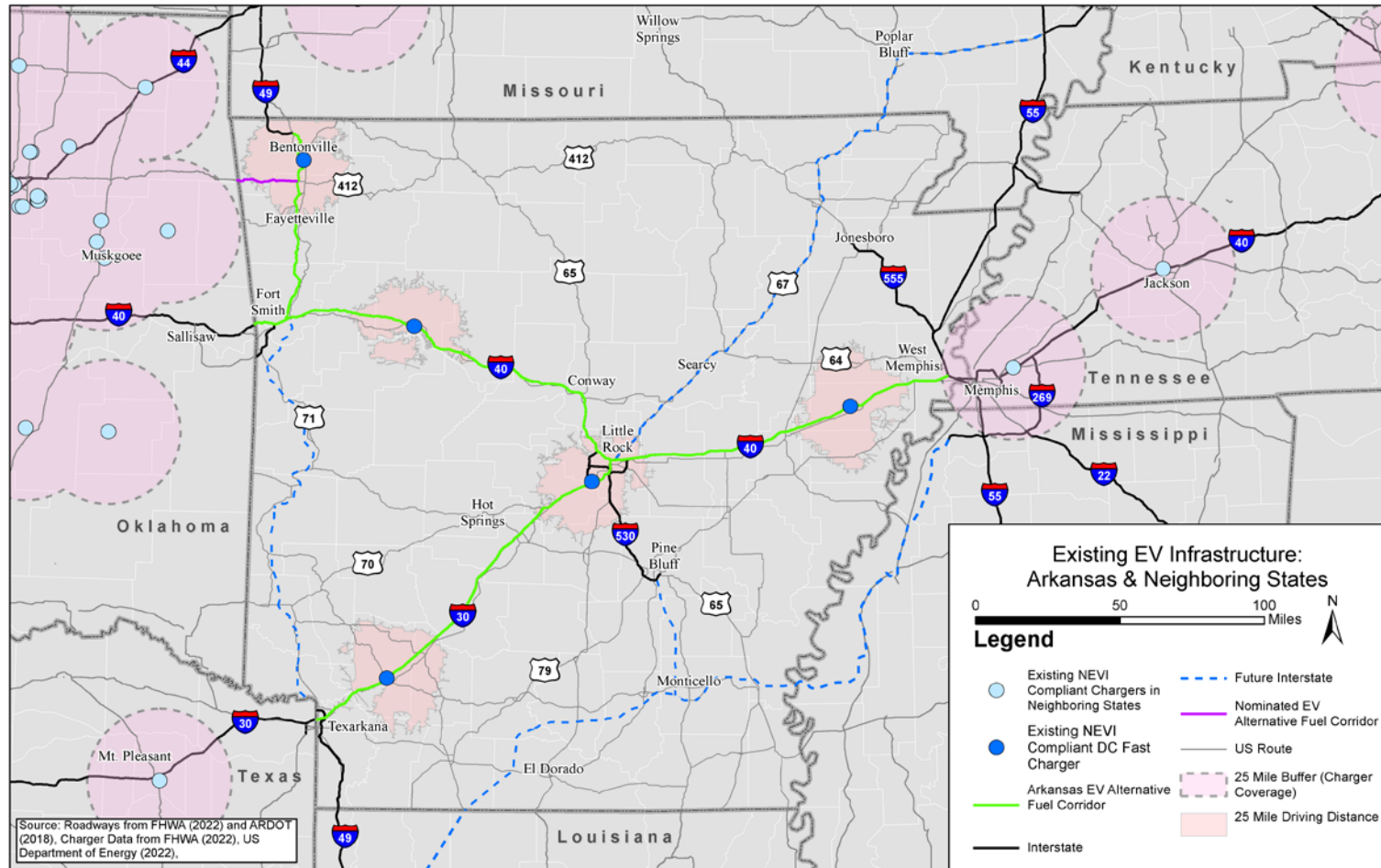
[Click here to view the virtual public meeting presentation slides.](#)

## FAQs






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



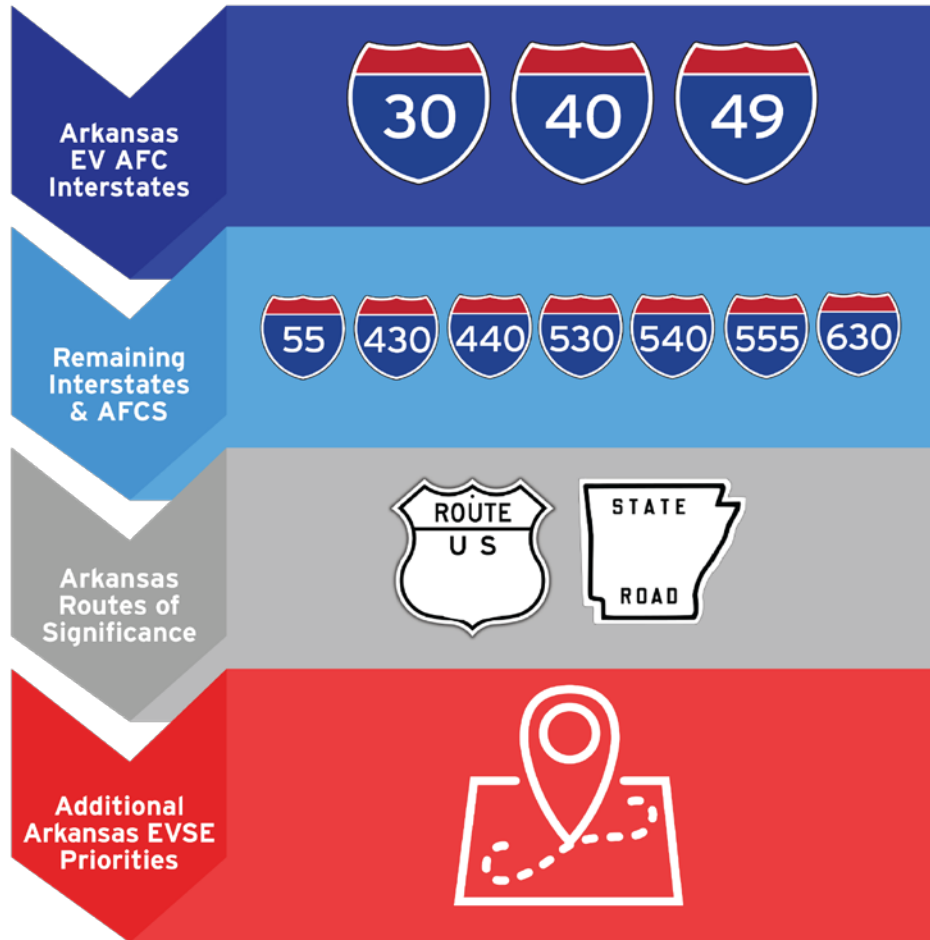
# Arkansas EVID Plan Development Process



## 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

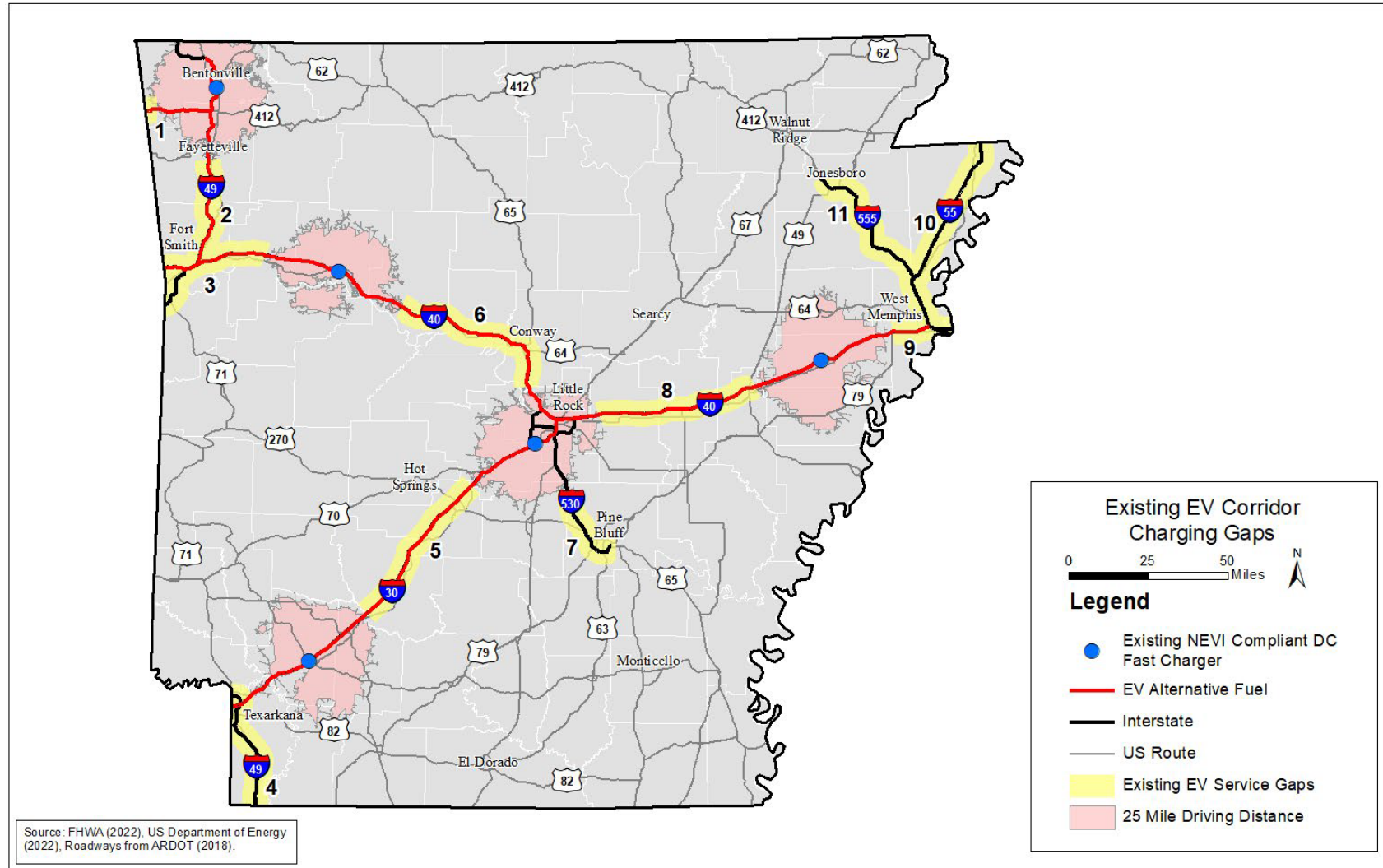
Eligible  
interchanges  
in gap areas

### 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.

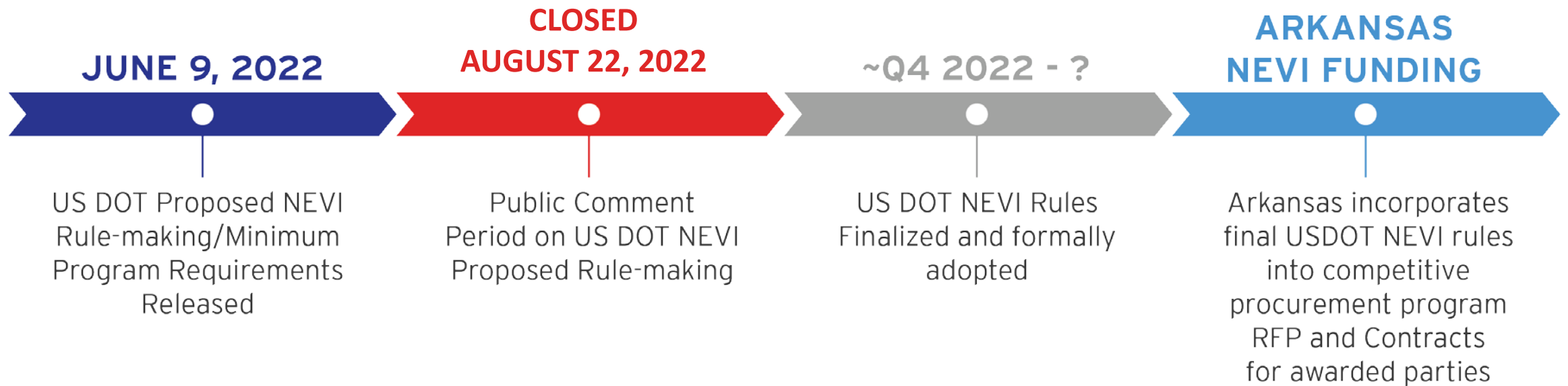
## Program Management

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



# 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
	<b>Total Funding</b>	<b>\$64,946,496</b>	



# For More Information

**Website:** [www.ardot.gov/evplan](http://www.ardot.gov/evplan)

**Email:** [ardot\\_nevi@ardot.gov](mailto:ardot_nevi@ardot.gov)