



Joint Office of  
**Energy and  
Transportation**

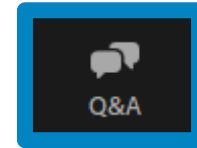
# **EV Charging Resources and Technical Assistance for Tribal Nations**

**11/15/2023**

[driveelectric.gov](https://driveelectric.gov)

# Zoom Tips and Housekeeping

- Controls are located at the bottom of your screen. If they aren't appearing, move your cursor to the bottom edge.
- Submit questions using the “Q&A” window



# Disclaimer

**Notice:** This webinar is being recorded and may be posted on the Joint Office website or used internally.

If you speak during the webinar or use video, you are presumed to consent to recording and use of your voice or image.

# Agenda

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**Polling Questions**

**Panel Introductions**

**Presentations** from Panelists

**Audience Q&A**





# Polling Questions

# Panelists



**Shelbi Small**

*Volpe National  
Transportation  
Systems Center*



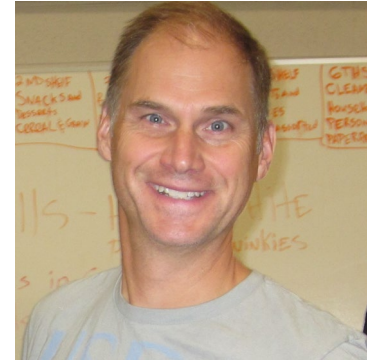
**Lily Ballengee**

*U.S. Department of  
Transportation  
Office of the Secretary*



**Gentri White**

*U.S. Department  
of Agriculture*



**Tedd Buelow**

*U.S. Department  
of Agriculture*



# **EV Charging Resources and Technical Assistance for Tribal Nations**

**Shelbi Small,  
Joint Office Lead for Tribal Nations**

# Presentations

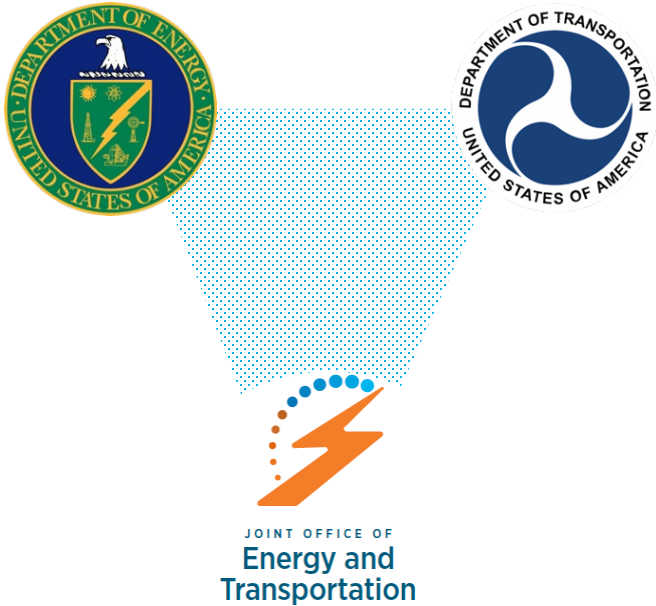
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- Joint Office **Overview and Priorities, and Program Updates**
- Overview of the **White House Council on Native American Affairs** National EV Initiative for Tribal Nations
- **Planning and Funding in Rural and Tribal Electric Mobility Infrastructure**
- **UPDATES** to the Joint Office Technical Assistance and Resources for Tribal Nations page, **NOW the EV Tribal Companion to the Rural EV Toolkit**





# Joint Office Mission and Vision



## Mission

To accelerate an electrified transportation system that is affordable, convenient, equitable, reliable, and safe.

## Vision

A future where everyone can ride and drive electric.

# Joint Office Tribal Activities



**Contributed to the National Electric Vehicle (EV) Initiative for Tribal Nations** where we collaborated with federal agency partners to commit to taking steps to ensure that benefits of transportation electrification extends to tribal communities



**Established Tribal Resources Page** through the Drivelectric.gov Joint Office Site



**Developing a Tribal Engagement Strategy** to incorporate perspectives from tribal communities into programmatic decision making going forward.



**Engaging in technical assistance to Tribes** to assist in navigating funding opportunities and implementation.

# White House Council on Native American Affairs National EV Initiative for Tribal Nations



Ensure that Tribal Nations are included in the EV future of the country; federal resources for EV development are equitably shared and supportive of Tribal economies, and the physical buildout of a national EV network includes tribal lands and Native Communities.

# White House Council on Native American Affairs National EV Initiative for Tribal Nations

## WHCNAA Agency Specific Commitments include:

- The Joint Office will **develop, host and update a Tribal resources page on Driveelectric.gov** to provide education, technical assistance, and funding opportunities for Tribes to deploy EV infrastructure.
- USDA will **prepare a Tribal EV Companion to DOT's Rural EV Toolkit**, featuring examples of EV charging station projects and collaboration across Indian country and Native Communities.
- DOI and DOT will **map Tribal Nations within NEVI's geographic constraints**. Using this data, agencies will consult with Tribes on how to deploy infrastructure for Tribes within those statutory, geographic constraints.
- DOE will **support Tribal Nations' roles in the EV battery supply chain through BIL funding opportunities supporting battery manufacturing, recycling, and material processing**. Specifically, DOE will establish program guidance to improve engagement with Tribal governments and communities, Tribal workforce development, and community benefits agreements in funding applications relevant to Tribal Nations' concerns
- DOE will **work with Clean Cities coalitions through the Clean Cities Energy and Environmental Initiative to develop local partnerships with Tribal communities, facilitate community engagement, and provide technical assistance** related to EVs and EV infrastructure deployment.



# Program Updates

# National EV Charging Infrastructure Could Provide Multiple Benefits to Tribal Communities

Disadvantaged business opportunities



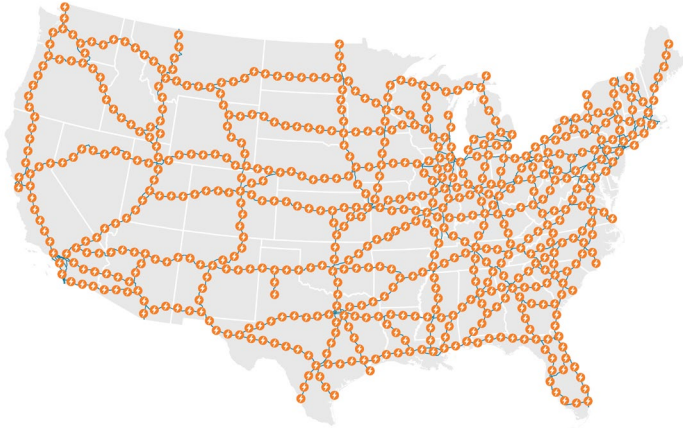
Decreasing transportation cost burden



Reducing transportation emissions



Clean transportation access



Jobs and job training



Energy resilience

Community participation



# Immediate-Term Bipartisan Infrastructure Law Priorities for the Joint Office

The Joint Office provides unifying **guidance, technical assistance,** and **analysis** to support the following programs:



## **National Electric Vehicle Infrastructure (NEVI) Formula Program (U.S. DOT)**

\$5 billion for states to build a national electric vehicle (EV) charging network along corridors



## **Charging & Fueling Infrastructure Discretionary Grant Program (U.S. DOT)**

\$2.5 billion in community and corridor grants for EV charging, as well as hydrogen, natural gas, and propane fueling infrastructure



## **Low-No Emissions Grants Program for Transit (U.S. DOT)**

\$5.6 billion in support of low- and no-emission transit bus deployments



## **Clean School Bus Program (U.S. EPA)**

\$5 billion in support of electric school bus deployments

# NEVI Formula Program Guidance

- **EV charging infrastructure:**
  - Installed **every 50 miles** along the state's portions of the interstate highway system **within 1 travel mile of the interstate**, unless a discretionary exception has been granted
  - Includes **at least four 150kW DC fast chargers with Combined Charging System (CCS) ports** capable of simultaneously charging four EVs
  - Has minimum station power capability **at or above 600kW and supports at least 150kW per port simultaneously across four ports for charging**
- **Requires approved state EV deployment plan**





# Equity Considerations in EV Charging

## NEVI Year 2 Plan Community Engagement Updates

### Community Engagement Tips for Infrastructure Deployment- Help Sheet

#### *Tribal Engagement Activities*

- What engagement activities have been undertaken with tribes?
- Of the federally or state recognized tribes in your area, how many have been successfully contacted?
- How many tribal engagement outreach events have been held? (calls, meetings, etc)
- How has information gathered from tribal engagement impacted the development of charging infrastructure planning?
- What other transportation investments have been requested from tribal engagement?
- What workforce training opportunities have been discussed and identified with tribes?
- What discussions did you have with tribes regarding the overarching goals of EV charging infrastructure planning and additional community benefits?
- For states, how have tribes been engaged with Alternative Fuel Corridor (AFC) designations?
  - Describe quantifiably how many AFC's cross tribal lands.
  - Estimate number of chargers required to meet the 50-mile AFC requirement on tribal lands.
  - Identify number of state routes that traverse tribal lands.

#### *Opportunities Identified for Tribal Communities*

- How does the EV infrastructure planning align with the goals of tribes?
- What discussions did you have with tribes about their transportation electrification or economic goals?
- What opportunities have been identified to include tribal lands in the development of EV charging infrastructure?
- What resources are needed for tribes to accomplish their EV deployment goals?
- What additional resources are needed for tribes to accomplish other transportation goals?

# Discretionary Grant Program for Charging and Fueling Infrastructure (CFI)- FHWA

NOFO Closed June 13,  
2023

\$700M in FY22 and FY23 funding.

Anticipated Award Announcement EOY 2023

Cost Share- 80% Federal, 20% Match

Program is divided into two distinct **\$1.25 billion grant programs over 5 years:**

- **Corridor** Charging Grant Program- To deploy electric vehicle charging and hydrogen/propane/natural gas fueling infrastructure along designated alternative fuel corridors.
- **Community** Charging Grant Program- To install electric vehicle charging and alternative fuel in locations on public roads, schools, parks, and in publicly accessible parking facilities

# Discretionary Grant Program for Charging and Fueling Infrastructure (CFI)- FHWA

## Eligible Activities

**Corridor-** any project that contracts with a private entity for acquisition and installation, or operation, of eligible infrastructure

### Eligible Activities include:

- Contracting with a private entity for acquisition and installation of eligible infrastructure
- Providing a private entity with operating assistance for the first 5 years of operations after the installation of eligible infrastructure while the facility transitions to independent system operations
- Acquisition and installation of traffic control devices located in the right-of-way to provide directional information to eligible infrastructure included in the project.

**Community-** any project that is expected to reduce greenhouse gas emissions and to expand or fill gaps in access to eligible infrastructure.

### Eligible Activities include:

- Construction or reconstruction and the acquisition of real property directly related to the project
- Development phase activities, including planning, feasibility analysis, revenue forecasting, environmental review, preliminary engineering and design work, and other preconstruction activities
- Educational and community engagement activities to develop and implement education programs through partnerships



# Key Requirements of the **Corridor Charging Grant**

Program Webinars can be  
found at [grants.gov](https://grants.gov)

- **Award Size**
  - Minimum anticipated award of \$1M
  - No maximum award size
- **Located along a designated AFC**
  - EV charging within 1 mile and other alternative fuels within 5 miles of the AFC
- **Must be publicly accessible.**
- **MUST use funds to contract with a private entity.**
- **Must address environmental justice.**
- **Must be accessible to and usable by individuals with disabilities.**



# Key Requirements of the **Community Charging Grant**

Program Webinars can  
be found at [grants.gov](https://grants.gov)

- **Award Size**
  - Minimum anticipated award of \$500,000
  - Maximum award of \$15M
  - \$350 million available (FY22 & FY23)
- **Located on any public road or in other publicly accessible locations**
  - i.e. parking facilities at public buildings, public schools, and public parks, or in publicly accessible parking facilities owned or managed by a private entity.
- **Must be publicly accessible.**
- **May use funds to contract with a private entity.**
- **Must address environmental justice.**
- **Must be accessible to and usable by individuals with disabilities.**

# Clean School Bus Program

NOFO Closed Aug. 22,  
2023

Anticipated Award  
Feb.-Mar. 2024

2023 Rebate  
Overview  
OPEN through  
Jan. 31, 2024

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Under **Title XI: Clean School Buses and Ferries**, the Bipartisan Infrastructure Law (BIL) provides **\$5 billion** over five years (FY22-26) for the **replacement of existing school buses with clean school buses and zero-emission school buses.**

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These new clean school bus replacements will **produce either zero or low tailpipe emissions compared to their older diesel predecessors.**

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School bus upgrades funded under this program will **result in cleaner air on the bus, in bus loading areas, and in the communities in which they operate.**

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The first funding opportunity was the 2022 Clean School Bus Rebates. **We expect the next funding opportunity to be a grants program that opens in Spring 2024.**

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Don't miss any updates- visit  
[epa.gov/cleanschoolbus](https://epa.gov/cleanschoolbus)



**EPA CLEAN  
SCHOOL BUS**

# Low or No Emission Bus and Bus Facilities Program – FTA

“The **Low-No Program (5339(c))** provides funding for the purchase or lease of zero-emission and low-emission transit buses, as well as for the acquisition, construction, or leasing of supporting facilities and equipment.”

**NOFO Closed April 13, 2023**

**Awards Announced June 2023**  
**\$1.69 billion**

**The Seneca Nation of Indians in Western New York** will receive nearly \$6 million to replace an outdated maintenance facility with a new building that will serve as an operations hub for the Seneca Nation Department of Transportation, including the Seneca Transit System (STS). The building, which will allow STS to store and maintain transit buses, will serve as the jumping-off point for services in five New York counties.





# **Joint Office Technical Assistance for Tribal Nations**



# Joint Office Technical Assistance for Tribal Nations



energy.gov | transportation.gov

About Technical Assistance Data & Tools Contact

## Technical Assistance and Resources for Tribal Nations

The Joint Office is facilitating the adoption of electrified transportation in collaboration with tribal nations by providing comprehensive technical assistance and resources.

This page offers general information about electric vehicles (EVs), access to technical assistance through the Joint Office and the U.S. Department of Energy (DOE) [Office of Indian Energy Policy and Programs](#), and current [funding opportunities](#) available to tribal nations for electrified transportation.

### Funding Opportunities

See a list of [funding opportunities](#) for tribal nations.

### Technical Assistance

The Joint Office provides [technical assistance](#) to tribal nations on the planning and implementation of a national network of EV chargers and zero-emission fueling infrastructure, as well as zero-emission transit and school buses.

DOE's Office of Indian Energy Policy and Programs provides [technical assistance for advancing tribal energy projects](#) to federally recognized tribes, including Alaska Native communities, tribal energy development organizations, and other organized tribal groups and communities.

### Types Joint Office technical assistance:

- Planning for deployment of EV chargers and zero-emission fueling infrastructure
- On-site energy storage and mobile power generation options
- Power needs analysis and tips for working with your local utility
- Infrastructure siting needs and support
- Strategic planning for fleet electrification
- Infrastructure development and needs assessment for bus depots and charging sites
- Route analysis and planning
- Fleet transition planning/strategy
- Vehicle procurement
- Impacts on battery performance (e.g., cold temperatures)
- Tips for working with the local utility to analyze energy needs and grid impact
- Training and workforce development opportunities
- Solar and battery storage opportunities for electrification to serve as resilient backup power for facilities and other uses (e.g., “vehicle-to-everything” [V2X])

<https://driveelectric.gov/quick-resources>

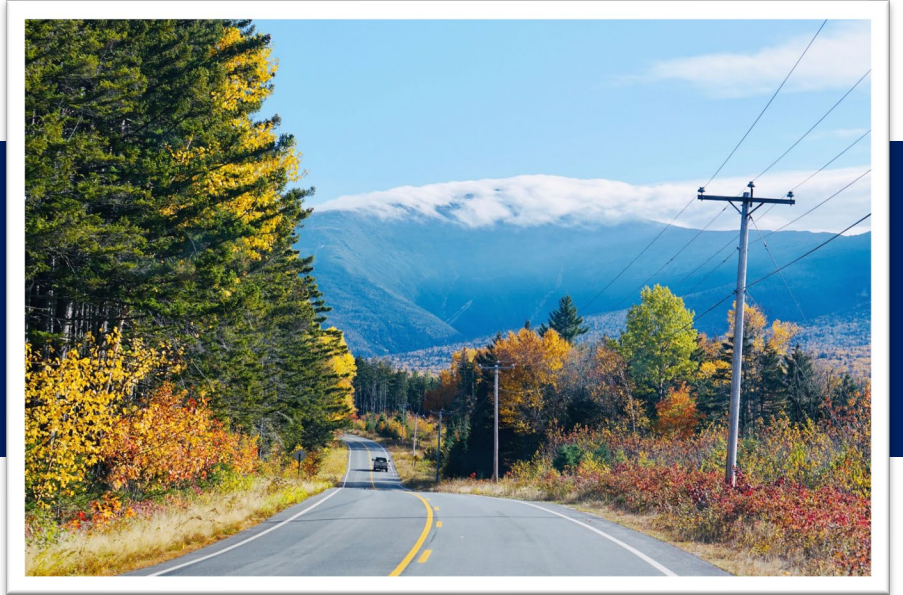


# Planning and Funding Rural and Tribal Electric Mobility Infrastructure

Lily Ballengee, USDOT  
November 2023

[www.transportation.gov/rural/ev/toolkit](http://www.transportation.gov/rural/ev/toolkit)

# ROUTES Overview



# About the ROUTES Initiative

The Rural Opportunities to Use Transportation for Economic Success (ROUTES) Initiative aims to address disparities in rural transportation infrastructure and improve safety and economic competitiveness nationwide.



## The ROUTES Initiative is established to...

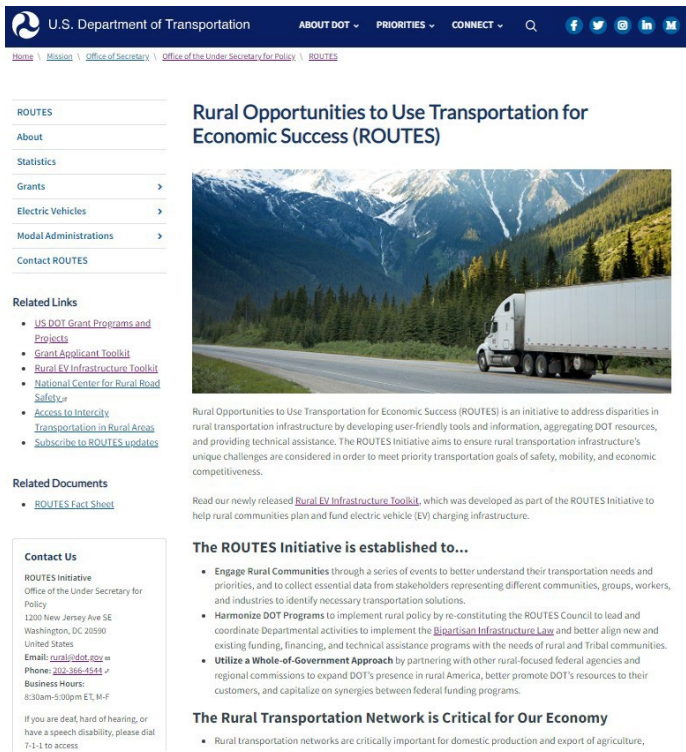
**Engage Rural Communities** to better understand their transportation needs and work together to identify solutions.

**Harmonize DOT Programs** to best support rural mobility using the ROUTES Council to lead Departmental activities and better align new and existing funding, financing, and technical assistance programs with the needs of rural and Tribal communities.

**Utilize a Whole-of-Government Approach** by partnering with other federal agencies, initiatives, and regional commissions to expand the Department's presence in rural America, better promote resources, and capitalize on synergies between federal funding programs.

Visit us [www.transportation.gov/rural](http://www.transportation.gov/rural) or contact us at [rural@dot.gov](mailto:rural@dot.gov).

# One-Stop Shop for Rural Resources



The screenshot shows the U.S. Department of Transportation website. The header includes the DOT logo, navigation menus for 'ABOUT DOT', 'PRIORITIES', and 'CONNECT', and social media icons. The main content area is titled 'Rural Opportunities to Use Transportation for Economic Success (ROUTES)'. It features a large image of a white semi-truck on a scenic mountain road. Below the image is a paragraph describing the ROUTES initiative. To the left of the main content is a sidebar with a navigation menu for 'ROUTES' (About, Statistics, Grants, Electric Vehicles, Modal Administrations, Contact ROUTES), 'Related Links' (US DOT Grant Programs and Projects, Grant Applicant Toolkit, Rural EV Infrastructure Toolkit, National Center for Rural Road Safety, Access to Intercity Transportation in Rural Areas, Subscribe to ROUTES updates), and 'Related Documents' (ROUTES Fact Sheet). At the bottom left is a 'Contact Us' box with contact information for the ROUTES Initiative.

U.S. Department of Transportation

ABOUT DOT ▾ PRIORITIES ▾ CONNECT ▾

Home | Mission | Office of Secretary | Office of the Under Secretary for Policy | ROUTES

## ROUTES

- About
- Statistics
- Grants ▾
- Electric Vehicles ▾
- Modal Administrations ▾
- Contact ROUTES

### Related Links

- [US DOT Grant Programs and Projects](#)
- [Grant Applicant Toolkit](#)
- [Rural EV Infrastructure Toolkit](#)
- [National Center for Rural Road Safety](#)
- [Access to Intercity Transportation in Rural Areas](#)
- [Subscribe to ROUTES updates](#)

### Related Documents

- [ROUTES Fact Sheet](#)

### Contact Us

ROUTES Initiative  
Office of the Under Secretary for Policy  
1200 New Jersey Ave SE  
Washington, DC 20590  
United States  
Email: [routes@dot.gov](mailto:routes@dot.gov)  
Phone: 202-366-4544  
Business Hours:  
8:30am-5:00pm ET, M-F

If you are deaf, hard of hearing, or have a speech disability, please dial 7-1-1 to access

[www.transportation.gov/rural](http://www.transportation.gov/rural)

## Webinars

- Benefit Cost Analyses for Rural Projects
- TIFIA Rural Projects Initiative
- Transit Resources
- National Roadway Safety Strategy

## Tools and Toolkits

- Rural Eligibility Map
- Point of Contact Map
- Grant Applicant Toolkit **[New]**
- Rural EV Infrastructure Toolkit **[New]**

## Funding Opportunities

- DOT Discretionary Grants Dashboard **[New]**
- Links to Past Awards

## Modal Specific Landing Pages

## Monthly Newsletters

# Rural EV Toolkit



# USDOT's Rural EV Infrastructure Toolkit

*Charging Forward: A Toolkit for Planning and Funding Rural Electric Mobility Infrastructure*

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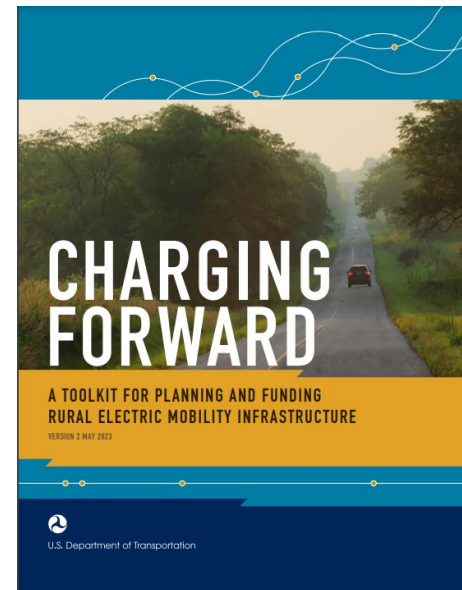
- Electric Vehicle Basics
- Benefits and Challenges of Rural Vehicle Electrification
- Partnership Opportunities
- EV Infrastructure Planning for Rural Areas
- EV Infrastructure Funding and Financing for Rural Areas

## INCLUDES...

- Grant and loan opportunities
- Planning tools and resources
- Rural success stories

## UPDATED MAY 2023 [NEW]

- Expanded content on
  - Tribal planning
  - Transit vehicles
  - School buses
  - Micromobility
  - Accessible design
- New funding programs, including the Bipartisan Infrastructure Law (BIL)
  - National Electric Vehicle Infrastructure Formula Program (\$5 billion)
  - Discretionary Grant Program for Charging and Fueling Infrastructure (\$2.5 billion)
  - Clean School Bus Program (\$5 billion)



[www.transportation.gov/rural/ev/toolkit](http://www.transportation.gov/rural/ev/toolkit)

# Audience

**Any rural entity can use the toolkit. Users are encouraged to treat the toolkit not as a sequential list of instructions, but as a constant companion in the process of completing a project.**



## Rural Stakeholders

- States (DOTs and DOEs)
- Local Communities
- Tribes
- Transportation Providers
- Non-Profit Organizations
- Businesses
- Individuals



# Benefits to Individuals and Communities

EVs offer numerous benefits to individual vehicle owners and communities.



## For Individuals

- Lower ownership costs
- Accessible fueling infrastructure
- Expanding vehicle options
- Increased resilience

## For Rural Communities

- Economic development
- Improved public health
- Lower greenhouse gas emissions

# Implementation Challenges and Evolving Solutions

Rural and Tribal areas face some important barriers in deploying EVs and EV infrastructure.



## Challenges

- High upfront costs
- Longer distances between sites
- Potential need for grid upgrades
- Permitting and coordination
- Limited exposure to EVs

The **Rural EV Infrastructure Toolkit** provides guidance and discusses emerging solutions to help address these challenges.

# Partnership Opportunities

Diverse partnerships can support rural entities in planning, funding, and implementing EV infrastructure projects.



Statewide, multistate, and Tribal partners

Local and regional planning partners

Electric utilities

Charging networks





Site hosts



EV corridors under FHWA's Alternative Fuel Corridors program

# Partnership Opportunities

Various partners can fill the key roles in operating EV supply equipment (EVSE).

Key Roles in EVSE Installations				
				
Potential Partners	Electricity Provider	EVSE Operator	EVSE Owner	Site Host
Utility	X	X	X	
Charging Network Provider		X	X	
Property Owner		X	X	X
Tenant		X	X	X

# Guiding Principles for Planning

Guiding principles help rural and Tribal stakeholders find their own path through the EV infrastructure planning process.



- ❖ **There is no one-size-fits all approach**, especially in rural areas where demand and infrastructure readiness greatly varies.
- ❖ **Different aspects of planning may occur in parallel** to allow planners and stakeholders to revisit and revise earlier steps of the process.
- ❖ **Coordinate early and often** with partners to access the most relevant information and up-to-date technical support through a project's life.
- ❖ **Stakeholders may have different needs and perspectives.** Engage rural community members in the planning process to understand and address their needs and concerns.
- ❖ **Build for flexibility** by planning now for future charging needs to prevent costly upgrades down the road.

# Project Planning Checklist

The toolkit walks through a planning checklist for EV projects and provides technical guidance.



## PROJECT DEVELOPMENT AND SCOPING

- Establish overall project scale
- Determine site and installation type
- Identify project partners
- Decide on ownership model
- Assess EV charging needs
- Identify needs for permitting and regulatory compliance
- Ensure accessibility for people with disabilities

## UTILITY PLANNING

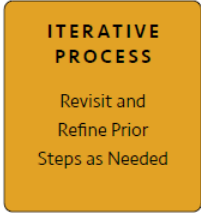
- Assess local grid infrastructure
- Determine electricity rates and pricing structures

## INSTALLATION PLANNING

- Determine procurement process
- Determine network connection needs
- Select equipment and network provider
- Assess installation needs and costs

## OPERATIONAL PLANNING

- Assess operations and maintenance costs
- Determine pricing, payment, and access
- Consider additional needs



# Tools and Resources

The toolkit includes a compilation of planning tools, including calculators, maps, templates, and guidance documents.

**Alternative Fueling Station Locator**

Find alternative fueling stations in the United States and Canada. For U.S. stations, see [data by state](#). For Canadian stations in French, see [Natural Resources Canada](#).

Public Stations **Advanced Filters** Fuel Corridors 60,428 results in U.S. and Canada

Enter location  All Fuels

**Alternative Fueling Station Locator**

**VICE Battery-Electric Bus Model**

Project Year	0	1	2	3	4
Months Vehicle Ownership	6	12	12	12	12
Months EVSE Ownership	6	12	12	12	12
Months Battery Life	6	12	12	12	12
<b>Purchase Price</b>					
Incremental Cost of all Vehicles	\$1,629,232				
EVSEs	\$200,000				
EVSE Installation	\$68,200				
Grant	\$1,500,000				
<b>Up-front net cost of project</b>	<b>\$397,432</b>				
<b>Residual Values and battery replacement</b>					
Diesel bus residual value	\$0	\$0	\$0	\$0	\$0
EB residual value	\$0	\$0	\$0	\$0	\$0
Battery Salvage Value	\$0	\$0	\$0	\$0	\$0
2nd Battery Salvage Value	\$0	\$0	\$0	\$0	\$0
EVSE Salvage Value	\$0	\$0	\$0	\$0	\$0
Battery Replacement Cost	\$0	\$0	\$0	\$0	\$0
<b>Operating Costs</b>					
Electricity Price (per kWh)	\$0.13	\$0.13	\$0.13	\$0.13	\$0.13
Electricity Demand Charge (per month)	\$265	\$265	\$265	\$265	\$265
Diesel Price (per gallon)	\$3.18	\$3.20	\$3.22	\$3.25	\$3.27
EV Fleet Mile			\$84,004	\$84,004	\$84,004
EV Fleet Elec			\$6,056.57	\$6,024	
Diesel Fleet			\$115,505	\$115,505	
Diesel Fleet Fuel Costs			\$36,238	\$36,238	\$36,238

**Electric Vehicles: What You Need to Know!**

Get the info on electrified powertrains – hybrid, plug-in hybrid, range-extended-electric, and all-electric – from smallest to largest electric motors and battery packs.

**Hybrid Electric Vehicles (HEVs)**

HEVs are powered by a gasoline or diesel engine, and an electric motor that receives energy from a battery. The battery is charged through regenerative braking, not by plugging in.

**Plug-in Hybrid Electric Vehicles (PHEVs) and Battery Electric Vehicles with Range Extender (BEVs)**

PHEVs and BEVs are similar to HEVs in that they include both a gasoline engine and an electric motor with a battery, but they have larger batteries that can be recharged by plugging into an electric outlet. They can be powered by...

**EVOLUTION TOOL**

**Public Involvement**

FHWA → Planning → Public Involvement

Authorizing Legislation  
Statute, Regulation and Executive Orders  
Case Studies  
Project Development  
Virtual Public Involvement  
Video Case Studies  
Fact Sheets  
Peer Exchanges  
Publications  
Reference Tool  
Related Links  
Other Resources  
Archive

**Virtual Public Involvement**

Innovation Spotlight: Virtual Public Invo...

US Department of Transportation  
Federal Highway Administration

**Innovation Spotlight**

**FHWA's Virtual Public Involvement Website**

**DOE LEAD Tool**

ENERGY EFFICIENCY & RENEWABLE ENERGY

About EERE | Initiatives | SERVICES | EFFICIENCY | RENEWABLES | TRANSPORTATION

**Low-Income Energy Affordability Data (LEAD) Tool**

Avg. Energy Burden (% income) for the United States

Avg. Percent Income (%) Avg. Annual Energy Cost (\$) Housing Choice

**DOE LEAD Tool**

**ENERGY STAR EV Chargers**

ABOUT FOR PARTNERS

Find Products Save at Home New Homes Commercial Buildings

Home → Certified Products → Product Finder → ENERGY STAR Certified Electric Vehicle Chargers

Languages: English | Français

**Find and Compare** Change Product

ENERGY STAR Certified Electric Vehicle Chargers

Visit the Electric Vehicle Chargers page for usage tips and buying guidelines.

Together we can create a healthier planet for all of us.

**LEARN MORE**

# Program Types and Eligibilities

Diverse federal programs serve a range of applicant and EV activity types.

Federal Agencies
U.S. Department of Transportation (USDOT)
U.S. Department of Agriculture (USDA)
U.S. Department of Energy (DOE)
U.S. Environmental Protection Agency (EPA)
U.S. Small Business Administration (SBA)
U.S. Department of Commerce (DOC)
U.S. Department of Labor (DOL)
U.S. Department of Housing and Urban Development (HUD)
Internal Revenue Service (IRS)

Program Types
Discretionary Grant Funding Programs ( <i>competitive selection</i> )
Formula Grant Funding Programs ( <i>allocated funding</i> )
Loan Financing Programs
Tax Incentives

Applicant Types
States
Localities
Tribes
Transportation Providers
Nonprofits
Private Sector
Individuals

EV Activity
Light-Duty Vehicle Charging
Public Transportation Charging
Commercial Charging
Infrastructure Planning
Workforce Development
Vehicle Acquisition



# Rural EV Infrastructure Funding Table

The toolkit includes a comprehensive list of federal programs and eligibilities.

80+  
federal  
grant & loan  
programs

CHARGING FORWARD / U.S. DEPARTMENT OF TRANSPORTATION

## RURAL EV INFRASTRUCTURE FUNDING TABLE

Below is a list of Federal programs that can fund rural EV infrastructure, sorted alphabetically by agency. The table notes the type of EV activities that are eligible for funding under different programs, as well as the eligible entities.

Agency/Office	Program Name	Program Description	Eligible Parties	LDV Charging	Transit Charging	Commercial Charging	Micromobility	Infrastructure Planning	Workforce Development	Vehicle Acquisition
	Program Type									
DOC EDA	<a href="#">Build to Scale Program</a> Grant (Discretionary)	Provides funds for organizations to aid companies in developing the next generation of tech-based economic development initiatives, including commercial EV technology implementation.	States, Tribes, Localities, Nonprofits			•			•	
	<a href="#">FY2020 EDA Public Works and Economic Adjustment Assistance</a>	Provides investments that support construction, non-construction, technical assistance, and revolving loan fund projects designed to leverage existing regional assets and support the implementation of economic development strategies.	States, Tribes, Localities, Nonprofits							

# Charging Forward [NEW]

*A Toolkit for Planning and Funding Urban Electric Mobility Infrastructure*

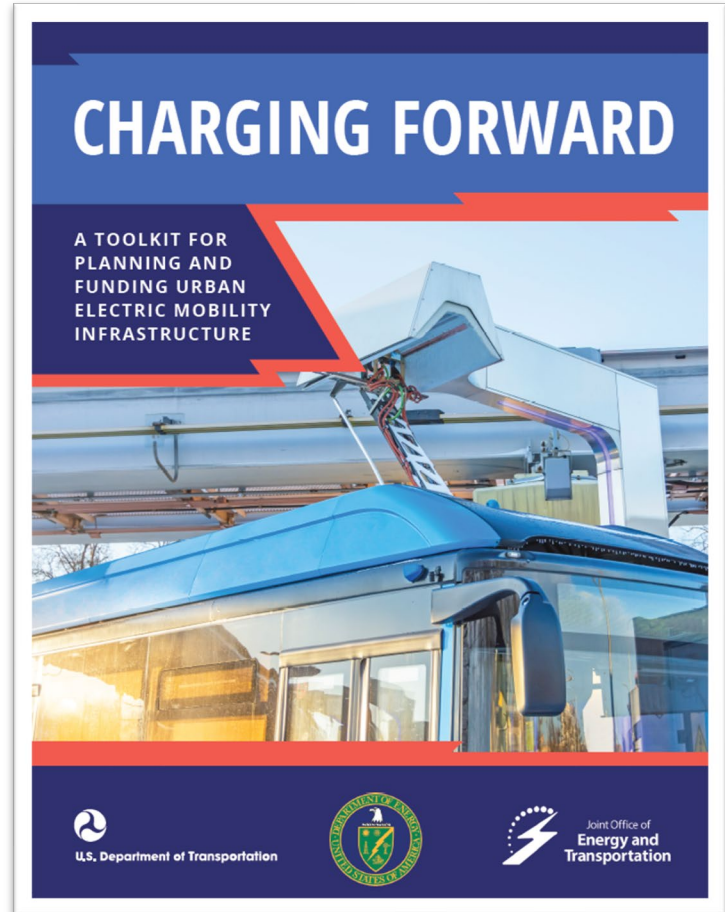
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- Benefits and Challenges of Urban Mobility Electrification
- Partnership Opportunities
- Infrastructure Planning
- Funding and Financing

## Includes...

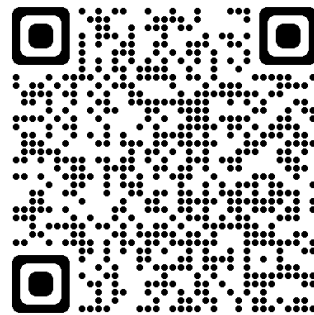
- ✓ Grant and loan opportunities
- ✓ Planning tools and resources
- ✓ Success stories

[transportation.gov/urban-e-mobility-toolkit](https://transportation.gov/urban-e-mobility-toolkit)





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# EV Tribal Companion to the Rural EV Toolkit

The Joint Office Technical Assistance and Resources for Tribal Nations Page will serve as the **EV Tribal Companion** to the Rural EV Toolkit

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Strategic Engagement Division - Innovation Center

USDA Rural Development

# Purpose of the EV Tribal Companion

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Offer tribes a quick and efficient means of identifying the most relevant and timely EV funding opportunities and locating EV specific resources and project examples for tribal communities.



The resources and project examples can also assist tribes in connecting with agencies and other tribal communities that can share knowledge and insights to help prepare for and implement EV projects.

# Streamlining EV Resources for Tribes

## Funding Opportunities

- Numerous funding opportunities have become available with the passing of the Bipartisan Infrastructure Law (BIL) and Inflation Reduction Act (IRA).
- Many of these programs can be used to assist with EV projects.
- The Joint Office of Energy and Transportation's Technical Assistance page will highlight those programs most relevant to EV and accessible to Tribal communities.

## Technical Assistance Resources

- Identifying agencies Tribes can contact for technical assistance to plan and implement EV projects.

## EV Project and Partnership Examples

- Featuring examples of EV projects taking place across Indian Country and highlighting examples of EV project partnerships serving tribal communities.

## Informational Webinars and Short Videos

# EV Funding Opportunities

Currently open and upcoming opportunities to help fund EV projects:

[Tribal Energy Development Capacity Grant](#), U.S. Department of Interior, Bureau of Indian Affairs, Division of Energy and Mineral Development – **Current closing date for applications is Jan. 11, 2024.**

[Clean School Bus Rebate Program](#), U.S. Environmental Protection Agency (EPA), Office of Transportation and Air Quality – **Closes Jan. 31, 2024.**

[Tax Credits for Electric Vehicles Eligible for Elective Pay](#), Internal Revenue Service – **Tax credits set to expire 2032.**

[Rebuilding American Infrastructure with Sustainability and Equity \(RAISE\)](#), U.S. Department of Transportation, Office of the Under Secretary for Policy (OST) – **NOFO expected Nov. 2023.**

[Diesel Emissions Reduction Act \(DERA\) Tribal and Insular Area Grants](#), U.S. Environmental Protection Agency (EPA), Office of Transportation and Air Quality – **Expected fall 2023.**

[Low or No Emissions Bus Discretionary Program](#), U.S. Department of Transportation, Federal Transit Administration – **NOFO expected winter 2024.**

# Technical Assistance Resources

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Several agencies are available to provide technical assistance and guidance to Tribes interested in EV projects

Joint Office of Energy and Transportation - [Tribal Nations Technical Assistance](#)

U.S. Department of Health and Human Services, Administration for Native Americans – [Applicant Training and Technical Assistance Page](#)

U.S. Department of Energy, Office of Indian Energy Policy and Programs - [Technical Assistance](#)

U.S. Department of Transportation, Build America Bureau – [Technical Assistance](#)

U.S. Department of Interior - Indian Affairs, Division of Energy and Mineral Development – [Technical and Business Advisory Services for Energy & Mineral Projects](#)





# Highlighted EV Project Examples

## Upper Midwest Inter-Tribal EV Charging Network

- The project will demonstrate EVs through a Native-led model program including 23 Native Nations. Objectives include creation of fast charging corridors to connect the tribal reservations with job centers, economic centers, and other critical services.

## Cherokee Nation Solar Canopy Charging Station

- The Nation's solar canopy can charge up to eight EVs while also providing clean power to the Cherokee Nation complex.

## Clean School Bus Rebates Program 2022

- 28 school districts serving tribal communities were selected to receive funding for the purchase of electric and low-emission school buses.

## San Pasqual Band of Mission Indians EV Charger Installation

- In partnership with San Diego Gas & Electric, the San Pasqual Band of Mission Indians has completed installation of 10 new EV chargers bringing the total number up to nearly 100 charging station on tribal lands.

## Red Lake Nation Long-Duration Energy Storage Demonstration Project

- Retired electric vehicle batteries will be utilized to provide demand reduction, load shifting, and resilience for the Tribe's workforce development campus.

# Additional EV Resources

## Webinars and Short Videos

- National Electric Vehicle Initiative for Tribal Nations – [Webinar Recording](#)
- U.S. Department of Energy - [Energy 101: Electric Vehicles](#)
- U.S. Environmental Protection Agency - [How Plug-In Vehicles Work](#)
- Office of Indian Energy Policy and Programs - [2021 Tribal Energy Webinar Series: Electric Vehicles: Opportunities and Challenges](#)
- U.S. Department of Energy, Alternative Fuels Data Center - [Electric Vehicles in Rural Communities](#)
- Joint Office of Energy and Transportation - [Webinar: Workforce Development for the EV Charging Sector](#)
- Joint Office of Energy and Transportation - [Webinar: Community Charging Models](#)
- U.S. Department of Energy, Alternative Fuels Data Center - [Technical Assistance Video Series - Electric School Bus Implementation](#)

## Upcoming Events

- Visit <https://driveelectric.gov/news-events> for upcoming EV related events and registration information.

## Joint Office Contact Form

- Visit <https://driveelectric.gov/contact> and select “Tribal Nations Technical Assistance” to share your EV project success stories, challenges, feedback, or concerns.

# Thank You!



**EV Tribal Companion:**  
[driveelectric.gov/tribal-nations](https://driveelectric.gov/tribal-nations)

Driveelectric.gov  
**Joint Office Contact:**  
[Shelbi.Small@dot.gov](mailto:Shelbi.Small@dot.gov)



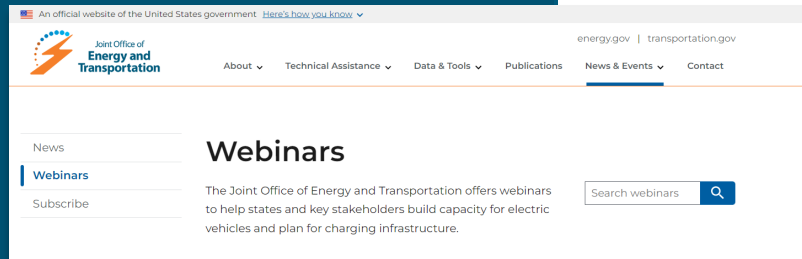
# Questions and Answers



# Upcoming Webinar Topics

December 5<sup>th</sup>\*

Ride Electric: The Importance  
of Multimodal Transportation



[driveelectric.gov/webinars](https://driveelectric.gov/webinars)

*Dates may be subject to change*

# Thank you!

*Today's Presentation:*  
EV Charging Resources and  
Technical Assistance for Tribal Nations

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