

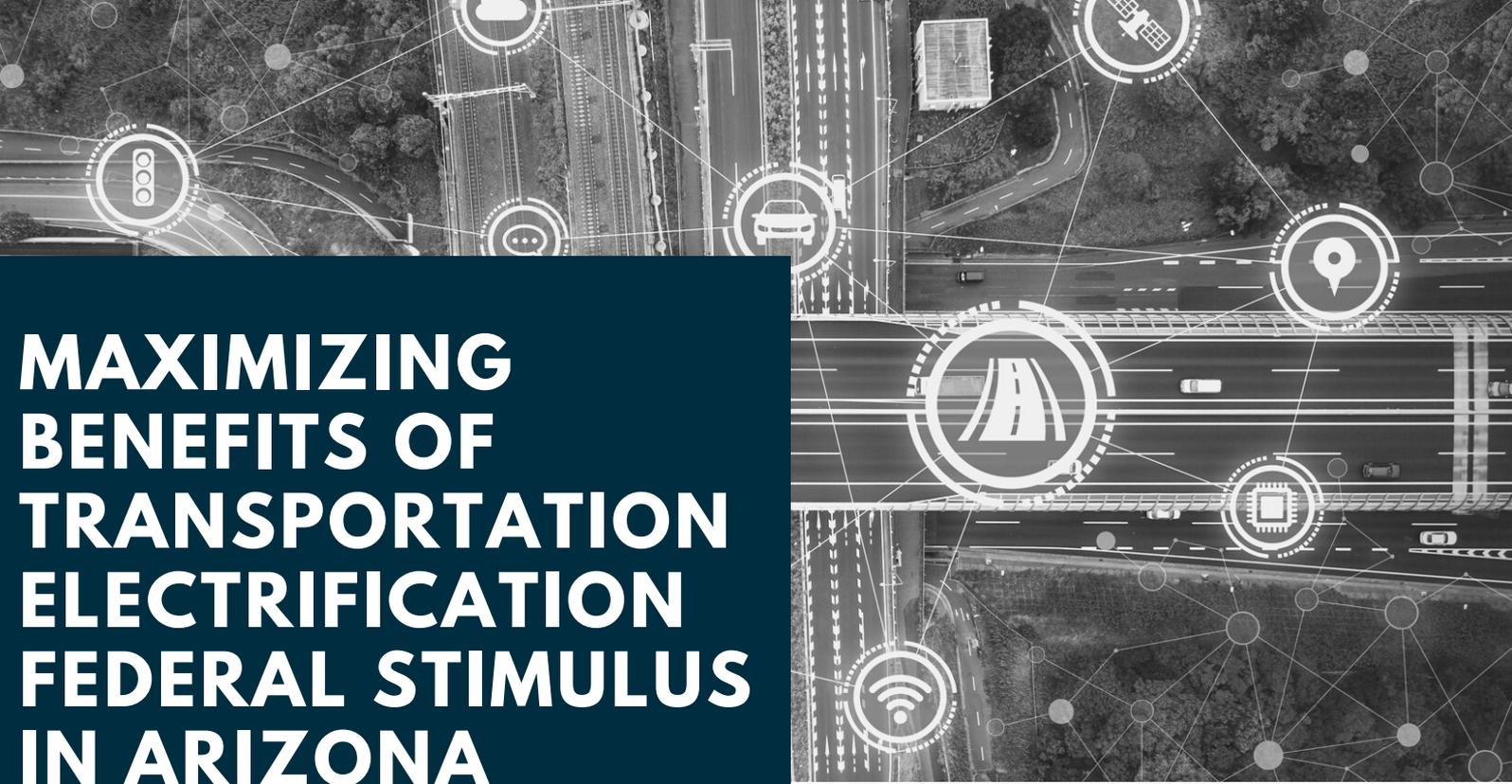
# Securing Federal Funding to Drive the EV Transition

A Guide for Local Stakeholders and Planners  
as of June 2023



Prepared By:





# MAXIMIZING BENEFITS OF TRANSPORTATION ELECTRIFICATION FEDERAL STIMULUS IN ARIZONA

Transportation electrification offers significant community benefits and a path forward to create jobs, improve air quality and health, and save consumers money on energy and transportation costs.

Billions of federal dollars are available to support local governments, communities, and businesses to drive the transition to electric transportation and deliver the significant benefits of an electrified transportation system to communities.

This guide, prepared by Plug In America and the Southwest Energy Efficiency Project (SWEET), provides a range of resources to assist local stakeholders and planners in accessing and leveraging federal funding opportunities. The guide includes resources to support local planners across the following areas:

- Technical assistance
- Grant Writing Assistance
- Stakeholder engagement guidance
- Web-based tools (e.g. mapping tools, funding locators, etc.)
- Arizona's EV Infrastructure Deployment Plan
- Priority federal funding programs for EVs and infrastructure deployment

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# TECHNICAL ASSISTANCE

## Joint Office of Energy and Transportation

The [Joint Office of Energy and Transportation](#) (Joint Office) team has deep expertise in zero-emission transportation infrastructure. The team also helps coordinate and leverage expertise between the U.S. Department of Energy and the U.S. Department of Transportation to further progress on zero-emission transportation infrastructure. The Joint Office provides technical assistance on the planning and implementation of a national network of electric vehicle chargers and zero-emission fueling infrastructure as well as zero-emission transit and school buses.

- [Technical Assistance and Resources for States and Communities](#): Provides technical assistance to states for the National Electric Vehicle Infrastructure (NEVI) Formula Program and to states, communities, and tribes implementing projects under the Charging and Fueling Infrastructure (CFI) Discretionary Grant Program.
- [Technical Assistance and Resources for Tribal Nations](#): Provides technical assistance to tribal nations on the planning and implementing a national network of EV chargers and zero-emission fueling infrastructure, as well as zero-emission transit and school buses.
- [Technical Assistance and Resources for School Districts](#): Provides technical assistance to school districts to plan for and deploy clean school buses in their communities.

## Rural Electric Vehicle Infrastructure Toolkit

The newly released [Rural EV Infrastructure Toolkit](#) was developed as part of the ROUTES Initiative to help rural communities plan and fund electric vehicle (EV) charging infrastructure. [Rural Opportunities to Use Transportation for Economic Success](#) (ROUTES) is an initiative by the Department of Transportation (DOT) to address disparities in rural transportation infrastructure by developing user-friendly tools and information, aggregating DOT resources, and providing technical assistance. The ROUTES Initiative aims to ensure that rural transportation infrastructure's unique challenges are considered in order to meet priority transportation goals of safety, mobility, and economic competitiveness.

Access the Rural EV Infrastructure Toolkit: [Charging Forward: A Toolkit for Planning and Funding Rural Electric Mobility Infrastructure](#) | [US Department of Transportation](#)

## Local Government Playbook

The [Local Government Playbook](#), developed by the [Electrification Coalition](#), recommends how counties, cities, and towns can leverage federal investments in electric vehicle infrastructure. It also provides a “checklist” of actions and strategies that local governments can enact now and in the future, including best practices, innovative policy approaches, and lessons from previous charging deployments.

# STAKEHOLDER ENGAGEMENT GUIDANCE

## Promising Practices for Meaningful Public Involvement in Transportation Decision-Making

The purpose of this document, [Promising Practices for Meaningful Public Involvement in Transportation Decision-Making](#), developed by the US Department of Transportation (DOT), is to provide promising practices promoting a shared understanding of meaningful public involvement. DOT aims to promote promising practices for transportation professionals to incorporate meaningful public involvement into each stage of the transportation decision-making process and project lifecycle, including operations and service provision.

## Lessons Learned for Different Types of EV Charging Infrastructure Types of EV Charging Infrastructure

The Department of Energy's Vehicle Technologies Office summarized [lessons learned for four types of charging](#): curbside EV charging, EV car share, EV charging for multifamily housing, and EV mobility hubs. The summaries feature lessons learned on community engagement for each type of charging.

## Arizona's EV Infrastructure Deployment Plan

[Arizona Department of Transportation](#) (ADOT) is taking advantage of new federal funding sources and developing a long-range plan to implement a statewide network of EV charging stations. Over the next five years, the state is set to receive \$76.5 million in federal dollars through the National Electric Vehicle Infrastructure (NEVI) Formula Program to establish publicly accessible EV charging stations along Arizona's designated alternative fuel corridors, which are currently the interstate highways. Additional highways can be added in the future.

The NEVI program requires demonstrated stakeholder engagement to inform plans for NEVI funding. Explore ADOT's engagement activities:  
<https://azdot.gov/planning/transportation-studies/arizona-electric-vehicle-program/public-meetings-and-input>

Access ADOT's Electric Vehicle Infrastructure Deployment Plan:  
<https://azdot.gov/sites/default/files/2023-04/ev-infrastructure-deployment.pdf>



# WEB-BASED TOOLS

## Funding Finder

The [Funding Finder](#), created by the Electrification Coalition, helps eligible recipients sort through available federal funds for transportation electrification and helps recipients understand how investments can be matched. It can also help users identify where technical assistance is available.

## Climate Program Portal

The [Climate Program Portal](#) is a resource for organizations and public agencies tracking federal investments in climate initiatives. The Climate Program Portal, developed by Atlas Public Policy, tracks investments from the Infrastructure Investment and Jobs Act (IIJA) and the Inflation Reduction Act (IRA). Sign up for their newsletter and [register for portal access](#).

## Mapping & Projection Tools

- [Justice40 Mapping Tool](#) - The Justice40 mapping tool allows organizers and grant applicants to identify if a planned EV charging installation location is within a disadvantaged community (DAC). Community members and organizers can edit the map to reflect their communities best.
- [Electric Vehicle Infrastructure Projection Tool \(EVI-Pro\) Lite](#) - The Department of Energy (DOE) EVI-Pro Lite Tool provides a simple way to estimate how much electric vehicle charging an area might need and how it affects the local charging load profile. EVI-Pro Lite is a tool for projecting consumer demand for electric vehicle charging infrastructure.
- [PredictEV®](#) - PredictEV, Volta's proprietary planning software, uses machine learning to predict current and future EV charging needs, from infrastructure load requirements to site-level specifics. State governments are now using it to identify ideal and equitable charging locations and charger mix, and by multiple utility companies around the United States to future-proof their energy and transport services.
- [Find A Contractor | EVITP](#) - Find a contractor in your area that utilizes Electric Vehicle Infrastructure Training Program (EVITP) certified installers for your next Residential, Commercial, Public or Fleet project. EVITP provides training and certification for electricians installing electric vehicle supply equipment (EVSE).

## DOT Calendar of Funding Opportunities

The US Department of Transportation (DOT) published a [list of anticipated dates for upcoming Notices of Funding Opportunity \(NOFOs\)](#) for key programs within the Bipartisan Infrastructure Law (BIL) and the Inflation Reduction Act (IRA), as well as adjacent programs that support BIL and IRA objectives. This list is not comprehensive and will be updated periodically with additional programs and revised dates as appropriate.

# GRANT WRITING ASSISTANCE & FUNDING PRIORITIZATION MATRIX

## Arizona Economic Recovery Center

An initiative of [Local First Arizona](#), the [Arizona Economic Recovery Center](#) (AZERC) provides grant writing assistance, budget guidance, project management, and economic impact analysis. AZERC aims to enable eligible Arizona cities, towns, counties, tribal communities, and nonprofits to win and implement competitive federal, state, municipal, or foundation grants.

## Federal Charging Support

Forth is offering [federal charging support](#) and helping communities interested in pursuing funding from the Charging and Fueling Infrastructure Grant Program. [Forth](#) is providing general advice and access to reports and resources, matching/cost share assistance among potential partners and sources, help designing and/or managing educational and community engagement activities as part of community grants, help to design and/or manage “meaningful public involvement” programs as part of charging programs and supporting applicants with technical assistance in drafting proposals.

The following matrix outlines various USDOT programs that are eligible to fund transportation electrification projects. Please see the next three pages of program options you may want to consider for your jurisdiction. Please note that the listed dollars available in 2023 reflect nationally available funds, not just for the State of Arizona.

EV Charging Infrastructure	Workforce Development	Vehicle Conversions	EV Infrastructure Planning	Electric Freight Transportation Construction & Installations	Electric Bus & Facilities Infrastructure
					
Construction and installation of EV charging infrastructure, including parking facilities and utilities.	Workforce development and training related to EV infrastructure.	EV acquisitions and engine conversions - cars or trucks.	Planning for EV charging infrastructure and related projects.	Construction and installation of EV charging infrastructure to support operational, resiliency, national energy security, environmental, and community goals for freight transportation.	Installation of EV charging infrastructure as part of transit capital projects eligible under chapter 53 of title 49, United States Code.

# Priority Federal Program Funding Matrix: Programs with EV funding & Financing Eligibility

FORMULA PROGRAM OPTIONS	EV CHARGING INFRASTRUCTURE	WORKFORCE DEVELOPMENT	VEHICLE CONVERSIONS	EV INFRASTRUCTURE PLANNING	ELECTRIC FREIGHT TRANSPORTATION	ELECTRIC BUS & FACILITIES
<p><b>National Highway Performance Program (NHPP)</b>  <i>\$29 Billion Available in FY23</i></p> <p>Provides support for the condition and performance of the National Highway System (NHS), for the construction of new facilities on the NHS, and to ensure that investments of Federal-aid funds in highway construction are directed to support achieving performance targets established in a State's asset management plan for the NHS.</p>						
<p><b>Surface Transportation Block Grant Program (STBG)</b>  <i>\$14.11 Billion Available in FY23</i></p> <p>Provides flexible funding that States and localities may use for projects to preserve and improve the conditions and performance on any Federal-aid highway, bridge, and tunnel projects on any public road, pedestrian and bicycle infrastructure, and transit capital projects, including intercity bus terminals</p>						
<p><b>Congestion Mitigation &amp; Air Quality Improvement Program (CMAQ)</b>  <i>\$2.59 Billion Available in FY23</i></p> <p>Provides a flexible funding source to State and local governments for transportation projects and programs to help meet the requirements of the Clean Air Act. Funding is available to reduce congestion and improve air quality for areas that do not meet the National Ambient Air Quality Standards for ozone, carbon monoxide, or particulate matter (nonattainment areas) and for former nonattainment areas that are now in compliance (maintenance areas)</p>						
<p><b>State Planning and Research (SPR)</b>  <i>\$213.8 Million Available in FY23</i></p> <p>Provides funding for states and local governments to conduct planning and research.</p>						
<p><b>Carbon Reduction Program (CRP)</b>  <i>\$1.26 Billion Available in FY23</i></p> <p>Provides funds for projects designed to reduce transportation emissions, defined as carbon dioxide (CO2) emissions from on-road highway sources.</p>						

Source: Original 90-Day National Electric Vehicle Infrastructure (NEVI) Formula Program Guidance & Other USDOT Whitepapers

# Priority Federal Program Funding Matrix: Programs with EV funding & Financing Eligibility

FORMULA & OTHER ALLOCATED PROGRAM OPTIONS	EV CHARGING INFRASTRUCTURE	WORKFORCE DEVELOPMENT	VEHICLE CONVERSIONS	EV INFRASTRUCTURE PLANNING	ELECTRIC FREIGHT TRANSPORTATION	ELECTRIC BUS & FACILITIES
<p><b>National Highway Freight Program (NHFP)</b>  <i>\$29 Billion Available in FY23</i></p> <p>Provides funding to improve freight efficiency on the National Highway Freight Network (NHFN) and supports several goals, including— investing in infrastructure and operational improvements, improving the state of good repair of the NHFN; using innovation and advanced technology to improve NHFN safety, efficiency, and reliability; improving the efficiency and productivity of the NHFN; improving flexibility to support multi-State corridor planning and address highway freight connectivity; and reducing the environmental impacts of freight movement.</p>						
<p><b>Metropolitan Planning (PL)</b>  <i>\$447 Million Available in FY23</i></p> <p>Funding to support making transportation investment decisions in metropolitan areas through a cooperative, continuous, and comprehensive framework.</p>						
<p><b>National Electric Vehicle Infrastructure (NEVI) Formula Program</b>  <i>\$ 1 Billion Available in FY23</i></p> <p>Provide funding to states through FY2026 to strategically deploy electric vehicle (EV) charging stations along designated corridors and to establish an interconnected network to facilitate data collection, access, and reliability.</p>						
<p><b>Federal Lands and Tribal Transportation Programs (FLTTP)</b>  <i>Varying funding available per program</i></p> <p>Funding supports safe, seamless, and multimodal transportation access to and within Federal and Tribal lands. Programs include Federal Lands Transportation Program (FLTP), Federal Lands Access Program (FLAP), Tribal Transportation Program (TTP), and the Nationally Significant Federal Lands and Tribal Projects Program (NSFLTP).</p>						

Source: Original 90-Day National Electric Vehicle Infrastructure (NEVI) Formula Program Guidance & Other USDOT Whitepapers

# Priority Federal Program Funding Matrix: Programs with EV funding & Financing Eligibility

DISCRETIONARY GRANTS PROGRAM OPTIONS	EV CHARGING INFRASTRUCTURE	WORKFORCE DEVELOPMENT	VEHICLE CONVERSIONS	EV INFRASTRUCTURE PLANNING	ELECTRIC FREIGHT TRANSPORTATION	ELECTRIC BUS & FACILITIES
<p><b>Rebuilding American Infrastructure with Sustainability and Equity (RAISE)</b>  <i>\$2.3 Billion Available in FY23</i></p> <p>Provides funding directly to public entities, including municipalities, counties, port authorities, tribal governments, MPOs, or others, for road, rail, transit, and port projects that promise to achieve national objectives and allows project sponsors at the State and local levels to obtain funding for multi-modal, multi-jurisdictional projects that are more difficult to support through traditional DOT programs.</p>						
<p><b>Infrastructure for Rebuilding America (INFRA) Grant Program</b>  <i>\$14.11 Billion Available in FY23</i></p> <p>Awards competitive grants for multimodal freight and highway projects of national or regional significance to improve the safety, efficiency, and reliability of freight movement and people in and across rural and urban areas. (INFRA is known statutorily as the Nationally Significant Multimodal Freight &amp; Highway Projects.)</p>						
<p><b>Charging and Fueling Infrastructure (CFI) Discretionary Grant Program</b>  <i>\$400 Million Available in FY23</i></p> <p>Competitive grant program to strategically deploy publicly accessible electric vehicle charging and alternative fueling infrastructure in the places people live and work – urban and rural areas alike – and along designated Alternative Fuel Corridors (AFCs).</p>						
<p><b>Rural Surface Transportation Grant Program</b>  <i>\$350 Million Available in FY23</i></p> <p>Supports projects to improve and expand the surface transportation infrastructure in rural areas to increase connectivity, improve the safety and reliability of the movement of people and freight, and generate regional economic growth and improve quality of life.</p>						
<p><b>Reduction of Truck Emissions at Port Facilities (RTEPF)</b>  <i>\$80 Million Available in FY23</i></p> <p>Funds projects through competitive grants to reduce truck-related emissions at port facilities.</p>						