

Ride and Drive Electric FY2023

PCFO IGAP Grant Snapshot

May 23, 2023

Grant Name: Ride and Drive Electric FY2023	
Agency: Joint Office of Energy and Transportation	Bureau: Office of Energy Efficiency and Renewable Energy (EERE)
Application Deadline: Concept Papers due 06/16 Full Applications due 07/28	Max Award: \$4 million
<p>Description: Funded through the Bipartisan Infrastructure Law, the Ride and Drive Electric Program aims to address discrete challenges to a convenient, affordable, reliable, secure, and equitable EV charging network by enhancing institutional capacity, encouraging holistic approaches, fostering inclusive and equitable outcomes, and ensuring a world-class customer experience.</p>	
<p>Eligible Recipients:</p> <ul style="list-style-type: none"> - Institutions of higher education - For-profit entities - Nonprofit entities - State and local governmental entities - Indian tribes - Incorporated Consortia - Unincorporated Consortia 	
<p>Matching Grant Requirements:</p> <ul style="list-style-type: none"> ● Topic 1: 20% cost share requirement. ● Topic 2A: Cost share varies by activity and may be blended. Non-deployment activities have a 0% cost share requirement, while deployment activities will require 50%. Deployment costs must not exceed 50% of total project costs. ● Topic 2B: Cost share not required. ● Topic 3A: 50% cost share requirement. ● Topic 3B: Cost share not required. 	
Eligible Projects:	

Topic	Title
1	Enhancing EV Charging Resiliency
Equitable Access and Opportunity in Electrification	
2A	Community-Driven Models for Electric Vehicle Charging Deployment
2B	Workforce Development
Improving EV Charging Performance and Reliability	
3A	Increasing Commercial Capacity for Testing and Certification of High-Power Electric Vehicle Chargers
3B	Validating Public EV Charging Infrastructure Real-World Performance and Reliability

Topic	Topic Title	Anticipated Number of Awards	Minimum Required Non-Federal Cost Share (%)	Anticipated Cost Share per Award		Total Anticipated Federal Share
				Award Size (Fed Share)	Applicant Share	
Topic 1	Enhancing EV Charging Resiliency	10 - 15	20%	\$1M - 1.5M	\$250K - 375K	Up to \$17M
Topic 2A	Community-Driven Models for Electric Vehicle Charging Deployment	5 - 8	0% (non-deployment), 50% (deployment)	\$250K - 1.5M	\$0 - \$750K	Up to \$10M
Topic 2B	Workforce Development	5 - 10	0%	\$1M - 1.5M	N/A	Up to \$10M
Topic 3A	Increasing Commercial Capacity for Testing and Certification of High-	2 - 3	50%	\$2M - 3M	\$2M - 3M	Up to \$6M

Questions about this FOA? Email: DE-FOA0002881@netl.doe.gov.

Problems with EERE Exchange? Email EERE-ExchangeSupport@hq.doe.gov Include FOA name and number in subject line.



	Power Electric Vehicle Chargers					
Topic 3B	Validating Public EV Charging Infrastructure Real-World Performance and Reliability	2 - 4	0%	\$2M - 4M	N/A	Up to \$8M
TOTAL						Up to \$51M

This Funding Opportunity Announcement (FOA) will invest in projects that directly advance the goal of building a national network of EV chargers for all Americans by supporting EV charging reliability, resiliency, equity, and workforce development. There are 5 Topic areas that applicants may apply to.

Topic 1: Enhancing EV Charging Resiliency

This topic will establish and fund a cohort of diverse teams to develop, share, and refine specific and actionable plans and strategies that ensure continuity of operations and services of EV charging infrastructure for all EV users in a given region.

Topic 2A: Community-Driven Models for Electric Vehicle Charging Deployment

The objective of this topic is to fund projects that will assess, develop, and/or test business models that integrate EV and/or charger deployment in ways that deliver mobility, economic, or other benefits to Justice40 and underserved communities. Projects can be some combination of an analysis, business model development, or limited scale pilot/deployment to provide proof of concept. The project may include limited test EV charger deployments (Level 2 or DCFC) to test business models, capped at 50% of total project budget.

Topic 2B: Workforce Development

The objective of this topic is to support a diverse and highly skilled workforce within the electrified transportation industry to support the deployment and maintenance of EV charging related equipment including equipment that will be supported by the FHWA NEVI and CFI grant programs. The key outcome of interest is expanded access to career-track training and employment in EVSE installation and maintenance work for a diversified pipeline of individuals.

Topic 3A: Increasing Commercial Capacity for Testing and Certification of High-Power Electric Vehicle Chargers

The objective of this Topic is to increase industrial capacity, competition, redundancy, and broad access to validation testing and certification of DC fast chargers with rated power capacity between 150 kW and 1 MW. Applications for projects are requested to rapidly increase commercial testing capacity and capabilities necessary to validate, improve, and certify the efficiency, safety, security, interoperability, measurement accuracy, and longevity of high-power DC fast chargers.

Topic 3B: Validating Public EV Charging Infrastructure Real-World Performance and Reliability

The objective of this Topic is to establish teams to assess the performance, reliability, and usability of AC Level 2 charging and/or DC fast charging (DCFC) stations. The teams will follow the following steps:

- Develop a scalable, in-field methodology to assess charger performance, reliability, and customer experience
- Conduct field assessments of charging performance and reliability
- Track the performance and reliability of a sample of charging stations,
- Develop and execute a training program for states to teach state officials how to conduct their own field assessments

New or Existing Program: New

Examples of Prior Award Recipients: N/A

Tips for Being Competitive: 100% of the scoring for the Concept Paper will be on overall responsiveness to the Funding Opportunity Announcement and Viability of the Project. Applicants should clearly state the problem addressed, the project goal, and the project approach. Applicant should also show that the proposed project clearly meets the requirements of the Topic area and that the project will have a meaningful impact on the problem targeted by the Topic area.

Labor Requirements: For the Concept Paper, applicants must describe the approach of the Community Benefits Plan (which will be submitted in full with the Full Application). Applicants

should describe how they will address these four core elements:

- Community and labor engagement leading to negotiated agreements
- Investing in job quality and workforce continuity
- Advancing diversity, equity, inclusion, and accessibility
- Contributing to the Justice40 Initiative

Partners Required: Partnership requirements vary by topic area. However, all applicants are encouraged to engage a diverse group of partnership to demonstrate that the team has the capacity and expertise to execute the proposed project.

Though To facilitate the formation of project teams, DOE is compiling a Teaming Partner List which allows organizations to express their interest in teaming to other applicants and to explore potential partnerships. Visit the [Teaming Partners Page on EERE eXCHANGE](#) to view potential partners or submit your information for the Teaming Partner List.

Agency Contact: DE-FOA-0002881@netl.doe.gov

Upcoming Events: There are no webinars or events planned for this Funding Opportunity Announcement.

Total Allocation: \$51 million

Anticipated Award Date: Not listed

Resources:

- [Funding Opportunity - EERE eXCHANGE](#)