

DOE Ride and Drive Electric -- FY 2023 FOA

This is only a summary; applicants should not rely on it to meet application requirements. Study the full grant opportunity announcement before applying for any federal grant.

Program Description – Funds made available through this Funding Opportunity Announcement (FOA) are for: EV charging resiliency planning (**Topic 1**); Community-driven models for EV charging deployment (**Topic 2A**); Workforce development (**Topic 2B**); Increasing commercial capacity for testing and certification of high-power EV chargers (**Topic 3A**); Validating public EV charging infrastructure real-world performance and reliability (**Topic 3B**).

Opportunity Numbers – DE-FOA-0002881		Agency – Joint Office of Energy and Transportation through the Department of Energy (DOE)		
Obligation Deadline: None Expected Timeframe for DOE Notification – Sept 2023; Expected Timeframe for Award Negotiations – Oct 2023 to Jan 2024; awards 24-30 months in duration		Closing – Must submit Concept Paper by June 16, 2023, 5:00 PM EST to be eligible for submitting Full Application due July 28, 2023, 5:00 PM EST; <u>Only eligible Concept papers eligible to submit a Full Application.</u>		BCA Required? No
Available Funding: \$51M for FY 2023		FOA & Related – https://www.grants.gov/web/grants/view-opportunity.html?oppld=348195		
Minimum Award: Topic 1 -- \$1M (10-15 awards); Topic 2A -- \$250K (5-8 awards); Topic 2B -- \$1M (5-10 awards); Topic 3A -- \$2M (2-3 awards), Topic 3B - \$2M (2-4 awards);		Eligible Project Cost Restrictions: Must request prior written approval to charge pre-award costs where such costs are necessary for efficient and timely performance of the scope of work and would have been allowable after award notification.		
Eligibility: Pgs. 29-37 1. Must be a domestic entity. 2. Applicants are bound by the cost share proposed in their full applications. 3. The prime recipient is legally responsible for paying the entire cost share. 4. May submit more than one Concept Paper and Full Application provided each application describes a unique, scientifically distinct project.		Required Cost Share: Topic 1 – 20% Non-Federal Cost Share; Topic 2A – 0% non-deployment, 50% Non-Federal Cost Share Deployment; Topic 2B – 0%; Topic 3A – 50% Non-Federal Cost Share; Topic 3B – 0%;		
		Statutorily Required Available Funding: DOE may establish more than one budget period for each award and fund only the initial budget period. Funding for all budget period, including the budget period, is not guaranteed.		
Concept Paper – Overall Responsiveness and Viability of the Project – 100%	Full Application – Project Approach and Impact – 30%	Full Application – Project Plan -- 25%	Full Application – Project Team and Qualifications – 25%	Full Application – Community Benefits Plan – 20%

Eligible Applicants – (1) Institutions of Higher Education; (2) For-profit entities; (3) Nonprofit entities; (4) State and local governmental entities; (5) Indian tribes; (6) Incorporated Consortia; (7) and Unincorporated Consortia.

Eligible Projects

Topic 1 – A resiliency plan and strategies to ensure energy systems are appropriately prepared for disruptive events (power outages, severe weather, supply chain constraints) using key technologies and services to inform broader EV adoption. Not eligible – Technology R&D or costs for deploying hardware.

Topic 2A – Projects that 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 a combination of an analysis, business model development, or limited scale pilot/deployment.

Topic 2B – Demand-driven and worker-centric projects such as registered apprenticeships or education programs that leverage existing infrastructure and resources, are sustainable and replicate, and prioritize energy justice issues.

Topic 3A

1. Upgrades to independent commercial testing facilities
2. Development of new, low-cost tools that test and certify equipment conformance
3. Creation and maintenance of open-source libraries of conformance test cases and procedures
4. Creation and documentation of systems/procedures for testing charging devices for failure across a wide range of real-world conditions
5. Other innovative approaches to certify/validate DC fast charging equipment performance

Not eligible – Validating, improving or certifying products by a single company/limited group of companies or developing new DC fast charger standards.

Topic 3B – Establish teams to assess performance, reliability, and usability of AC Level 2 and/or DC fast charging stations across the US. Teams will develop a scalable, in-field methodology to assess performance, reliability, and customer experience and then conduct field assessments.

All Applications must include a Community Benefits Plan that:

1. Supports meaningful community and labor engagement
2. Invests in America’s workforce
3. Advanced diversity, equity, inclusion, and accessibility
4. Contributes to 40% of the overall benefits of investment flowing to disadvantaged communities

Application & Narrative Requirements –

Required components include: **Statement of Project Objectives (SOPO) SF-424, Budget Justification Workbook, Summary for Public Release, Summary Slide, Subrecipient Budget Justification (if applicable), Budget, Authorization for Non-DOE/NNSA or DOE/NNSA FFRDCs, SF-LLL (Disclosure of Lobbying Activities), Waiver Requests (if applicable), Open-Source Software Distribution Plan, Community Benefits Plan, Locations of Work, Transparency of Foreign Connections, and Potentially Duplicate Funding Notification.**

Concept Paper – One page Cover, three page maximum Technical Description, two page maximum Community Benefits Plan

Full Application – Technical Volume (30 pages max), Resumes (3 pages each), Letters of Commitment (1 page each), Community Partnership Document (10 pages), Statement of Project Objectives (7 pages) Summary/Abstract for Public Release (1 page), Summary Slide (1 page), Community Benefit Plan (12 pages)

Submitted in Adobe PDF; written in English. Standard formatting: 1-inch margins, font size of 12-points or larger, page numbers and control number on every page