

FY23 Vehicle Technologies Office Program Wide Funding

OVERVIEW

On May 19, 2023, the Office of Energy Efficiency and Renewable Energy (EERE), on behalf of the Vehicle Technologies Office (VTO), issued DE-FOA-0002893 titled "Fiscal Year 2023 Vehicle Technologies Office Program Wide Funding Opportunity Announcement." The research and development (R&D) activities to be funded under this Funding Opportunity Announcement (FOA) will support the government-wide approach to the climate crisis by driving innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. Specifically, this FOA is seeking innovative solutions for on-road and off-road vehicles to develop and accelerate the charging infrastructure and drastically-reduced greenhouse gas emissions in support of Administration goals.

ELIGIBLE ENTITIES

The following entities are eligible applicants for this FOA: institutions of higher education; non-profit organizations; for-profit entities; states; local governmental entities; and Tribal governments.

FUNDING

EERE expects to make a total of approximately \$99.5 million of federal funding available for new awards under this FOA, subject to the availability of appropriated funds. EERE anticipates making approximately 37 to 63 awards under this FOA. EERE may issue awards in one, multiple, or none of the 14 Areas of Interest (AOI) included in the FOA. The minimum cost share requirement is between 20 percent and 50 percent for all AOIs except for AOIs 11, 13, and 14, which do not require a cost share.

PERIOD OF PERFORMANCE

EERE anticipates making awards that will run 24 to 36 months in length. Project continuation will be contingent upon several elements, including satisfactory performance and DOE's Go/No-Go decision.

CRITICAL DATES

Concept papers are due June 26, 2023, and the deadline for full applications is August 11, 2023.

KEY APPLICATION/AWARD PROVISIONS

Community Benefits Plan

Full applications must include an R&D Community Benefits Plan that addresses the following three objectives: (1) advance diversity, equity, inclusion, and accessibility; (2) contribute to energy equity; and (3) invest in America's workforce.

AREAS OF INTEREST (AOI)

The AOI's under DE-FOA-0002893 are listed below.

Area of Interest #	Topic Area of Interest Title
Batteries and Electrification	
1a	High-Capacity, Long Cycle Life Lithium-Sulfur (Li-S) Batteries
1b	Mechanistic Modeling of Li-S Batteries
2	Improved 12-volt Lead Acid Batteries for Safety-critical EV Applications
3	Advanced Integrated On-board Charging System
4	Advanced Wireless Charging Concepts for Heavy-Duty Vehicles
Combustion and Advanced Fuels	
5	Development & Demonstration of Dimethyl Ether Engine for Off-Road Applications
6	Hydrogen Combustion Engines
Lightweight Materials	
7	Circularity and Sustainability of Polymer Composites for Vehicle Light weighting and Decarbonization
8	Domestic Magnesium Production Research
9	Novel Lightweight Materials
Energy Efficient Mobility Systems	
10	Mobility System Approaches Supporting Public Transportation
Technology Integration	
11	Reducing Soft Costs of EV Infrastructure to Enable Widespread Deployment
12	Consumer Education Campaign for Electric Vehicles and Charging
13	Demonstration and Deployment (Open topic)
14	Clean Cities Coalition Network Outreach, Education and Training

ADDITIONAL INFORMATION

Relevant links: [Funding Opportunities](#) | [Department of Energy](#)