

Fiscal Year 2022 Vehicle Technologies Office Program Wide Funding Opportunity Announcement

FOA # DE-FOA-0002611

Name	Location (city, state)	Project Title	Federal Cost Share
AOI 1 - Electric Drive System Innovations			
General Motors LLC	Pontiac, MI	GaN-Enabled Dual Multilevel Inverter Integrated Electric Drive System	\$7,499,953
AOI 2 - Non-Road Electric Vehicle Charging Concepts			
Deere & Company	Moline, IL	Ruggedized Mobile Fast Charger for Off-Road Vehicles	\$2,250,000
Beta Technologies	South Burlington, VT	Modular DC Mesh System with Integrated Solar PV to Optimize Off Road Vehicle Charging for Austere Environments	\$1,793,110
AOI 3- Powertrain Material for Battery Electric Vehicles (BEVs)			
General Motors LLC	Pontiac, MI	Ultra Conducting Composites (UCC) for Advanced Electric Motors	\$3,750,000
AOI 4 - Multi-Functional Material and Structures Research and Development			
The Rector and Visitors of the University of Virginia	Charlottesville, VA	Low-Cost Multifunctional Composites from Recycled Materials for Lighter and Smarter Vehicles	\$2,500,000
Acellent Technologies Inc.	Sunnyvale, CA	Development and manufacturing of scalable Multifunctional Energy Storage Composites (MESC) for automotive vehicles	\$3,737,047
AOI 5a - Natural Gas Engine Demonstration for Non-Road, including Off-Road, Rail and Marine Applications			
Michigan Technological University	Houghton, MI	A Low GHG Advanced SI Engine that can Operate on NG and NG/H2 Blends with Diesel-equivalent Performance for Off-Road Applications	\$2,540,848
AOI 5b - Low-GHG Concepts for Off-Road Vehicles and Equipment			
Cummins Inc.	Columbus, IN	Optimized Low Carbon Fuel Range Extender	\$5,000,000
Caterpillar Inc.	Mossville, IL	Transient-capable Hydrogen-hybrid for Off-Road (THOR)	\$3,270,995
Purdue University	West Lafayette, IN	High Energy-Efficient Hybrid Excavator Powered by HydrogenCombustion Engine	\$2,492,978
AOI 5d - Demonstration of Dimethyl Ether Medium-Duty Engine for Non-Road Applications			
Regents of the University of Michigan	Ann Arbor, MI	Medium Duty Off-Road DME Engine Achieving High Efficiency and Ultra Low Emissions	\$2,500,000
AOI 6 - Clean Energy Mobility Solutions for Underserved Communities			
Cornell University	Ithaca, NY	Deploying Autonomous, On-Demand Energy-Efficient Mobility Solutions in Tulsa's Underserved Communities	\$3,423,866
ADL Ventures LLC	San Francisco, CA	Arena Mobility Hubs for an Equitable, Low Carbon Future: The Arena Mobility Hub at FLA Live	\$4,841,760
AOI 7a - No Home Charging: Multi-Family Housing Innovative Demonstrations, Technical Assistance and Best Practices			
ElectroTempo, Inc.	Arlington, VA	A Utility-Scale Plan for Accelerating the Deployment of Multi-Family EV Charging Infrastructure	\$2,000,000

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Forth	Portland, OR	Expanding Access to Charging at Home (EACH) Program	\$2,000,000
AOI 7b - No Home Charging: Electric Vehicle Charging for Overnight Parking			
City of Portland	Portland, OR	Park and Charge: Leveraging Utility Pole-Mounted Chargers to Increase Access to Overnight EV Charging in Portland, Oregon	\$1,780,591
AOI 8 - Community Engagement, Outreach, Technical Assistance, and Training in Underserved Communities			
American Lung Association	Chicago, IL	Supporting Transportation Electrification - Leadership, Learning, Assistance, and Resources (STELLAR)	\$2,000,000
Washington State University - Energy Program	Pullman, WA	Assuring Equitable Access and Building Technical Capacity for Transportation Decarbonization among Native Nations in Washington, Oregon, Idaho, and Montana	\$1,690,731
Community Environmental Council	Santa Barbara, CA	Accelerating transportation decarbonization with underserved communities in California's Central Coast and South Bay regions	\$2,000,000
Northeast Energy Efficiency Partnerships Inc. (NEEP)	Middlesex, MA	Community-driven Transportation Plans for the Northeast	\$1,964,669
Regents of the University of Michigan	Ann Arbor, MI	Michigan's Vehicle Technology Transition Impact Project (MiVTTP)	\$1,995,462
CALSTART - Drive Clean Colorado	Pasadena, CA	Colorado Clean Mobility Strategic Planning	\$1,778,100
Southern Alliance for Clean Energy	Knoxville, TN	Advancing Equitable Access to EVs, Infrastructure, and Jobs in Underserved Communities in Georg	\$1,400,000
AOI 9 - Community-Driven Electric Vehicle Charging Deployment in Underserved Communities			
New York City and Lower Hudson Valley Clean Communities, Inc.	New York, NY	The Bronx is Breathing: Reimagining a Cleaner Hunts Point	\$1,669,973
American Lung Association, Minnesota Clean Cities Coalition	Saint Paul, MN	Organizing and supporting under-served communities to design, implement, and use EV charging infrastructure	\$1,670,000
Native Sun Community Power Development	Minneapolis, MN	Expanding Regional EVSE Access with Tribal Nations based on Community Priorities	\$1,670,000
Frontier Energy, Inc.	San Ramon, CA	Engaging Neighbors about Electric Vehicles in Underserved Places (EVEN-UP)	\$1,290,892
Alaska Energy Authority	Anchorage, AK	Alaska EVSE Deployment and Best Practices in Rural and Underserved Communities	\$1,669,983
Marin Clean Energy	San Rafael, CA	Charged by Public Power - Community Voices & Community Choice	\$1,000,000
AOI 11 - Addressing Critical Training Needs for Transportation Decarbonization			
Kern Community College District	Bakersfield, CA	South San Joaquin Valley Zero Emissions Vehicle Talent Pipeline	\$847,404
West Virginia University Research Corporation	Morgantown, WV	ICE Mechanics' Introduction to EV Repair: a national franchise training model for diversifying the expertise of today's auto technician	\$1,248,451

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Louisiana Clean Fuels	Baton Rouge, LA	GUMBO: Guaranteeing Access to Underserved and Marginalized Populations by Building Employment Opportunities	\$1,250,000
AOI 12 - Demonstration and Deployment (Open Topic)			
East Tennessee Clean Fuels Coalition	Knoxville, TN	DRIVE Electric USA 2	\$1,669,342
James Madison University	Harrisonburg VA	Logistics Decarbonization in Strategic EJ40 Areas (LODESTAR)	\$602,483
Electric Power Research Institute, Inc.	Palo Alto, CA	Charging Infrastructure Interconnection Simplification Resource (CIISR): A National Effort to Streamline the Grid Interconnect Process Across the Utility, Fleet, EVSP and MDU Landscape	\$1,000,000
New Buildings Institute	Portland, OR	MOVER (Microgrid Opportunities: Vehicles Enhancing Resiliency)	\$999,961
Interstate Renewable Energy Council	Albany, NY	EV Smart Communities	\$1,369,925
City of Arlington	Arlington, TX	Multimodal/Drone Delivery Demonstration to Disadvantaged Communities and Mobility Challenged Populations	\$780,182
Aqua superPower	Willmington, DE	Maine Oyster Farm Electrification	\$500,950
San Francisco Department of the Environment	San Francisco, CA	Decarbonizing App-based Deliveries in San Francisco	\$605,620
California Mobility Center (CMC)	Sacramento, CA	V4AMERICA: Vehicles for Affordable Mobility, Reliable Infrastructure, and Clean Air	\$1,000,000
Alaska Longline Fishermen's Association	Sikta, AK	Boat Energy Transition Accelerator	\$704,843
AOI 13 - Transportation Energy Analysis			
Carnegie Mellon University	Pittsburgh, PA	Deploying Charging Infrastructure to Catalyze Market Adoption of Electric Vehicles and Improve Mobility, Health, and Economic Outcomes in Disadvantaged Communities	\$400,000
George Washington University	Washington, DC	Quantifying New and Used Plug-in Electric Vehicle Market Dynamics in Disadvantaged Communities	\$386,838
The Edwards Associates, dba Strategic Vision	San Diego, CA	Connecting Disadvantaged Communities to Electrified Vehicles through an Assessment of Transportation Habits, Vehicle Attributes, and Policy Alignment	\$400,000