

EERE Funding Opportunity Exchange

Funding Opportunities

Learn more about [EERE Funding Opportunities](#) and how to [Apply for EERE Funding Opportunities](#) on energy.gov.

[Printable Version](#)

- [Funding Opportunities](#)
- [Teaming Partner List](#)
- [Funding Archive](#)
- [Questions and Answers](#)
- [Login](#)
- [Register](#)
- [User Guides](#)

Interested in learning about other DOE Funding Opportunities?

Check out the [Funding & Financing](#), [Department of Energy](#) page.

EERE FUNDING OPPORTUNITIES

[Jump to an Announcement:](#)

Announcement Number	Announcement Title	Announcement Type	Program	LOI Deadline	CP Deadline	FA Deadline
TPL-0000067	SMASH Incubator Teaming Partner List	Teaming Partner List				
DE-FOA-0003460	Solar Module and Solar Hardware (SMASH) Incubator	Notice Of Funding Opportunity (NOFO)	Solar Energy Technologies (SETO)		3/21/2025 05:00 PM ET	5/30/2025 05:00 PM ET
DE-LC-0000122	IEDO FY25-FY27 Lab Call	Lab Call (LC)	Industrial Efficiency and Decarbonization Office (IEDO)		2/5/2025 05:00 PM ET	3/27/2025 05:00 PM ET
TPL-0000065	Teaming Partner List for DE-FOA-0003492; Solar with Wildlife and Ecosystem Benefits 2 (SolWEB2)	Teaming Partner List				
DE-FOA-0003492	Solar with Wildlife and Ecosystem Benefits 2 (SolWEB2)	Notice Of Funding Opportunity (NOFO)	Solar Energy Technologies (SETO)		2/14/2025 05:00 PM ET	5/2/2025 05:00 PM ET
DE-FOA-0003525	2025 RENEW AMERICA'S SCHOOLS PRIZE TO COOPERATIVE AGREEMENT	Notice Of Funding Opportunity (NOFO)	Weatherization & Intergovernmental (WIPO)			4/3/2025 05:00 PM ET
DE-FOA-0003535	DE-FOA-0003535 Request for Information (RFI): Defining Sustainable Maritime Fuels in the United States	Request for Information (RFI)	Bioenergy Technologies (BETO)			2/28/2025 05:00 PM ET
TPL-0000064	TPL-0000064: Teaming Partner List for DE-FOA-0003517 NOI to Publish DE-FOA-0003518 and DE-FOA-0003520	Teaming Partner List				
DE-FOA-0003517	DE-FOA-0003517 Notice of Intent to Publish Notice of Funding Opportunity No. DE-FOA-0003518 AND Notice of Funding Opportunity No. DE-FOA-0003520	Notice of Intent to Publish Announcement (NOI)	Bioenergy Technologies (BETO)			TBD
DE-FOA-0003373	Bipartisan Infrastructure Law (BIL), Provision 41007(b)(2), Wind Turbine Technology Recycling	Notice Of Funding Opportunity (NOFO)	Wind Energy Technologies (WETO)			2/11/2025 05:00 PM ET
DE-FOA-0003439	Advanced Hydrogen and Fuel Cell Technologies to Drive National Goals	Notice Of Funding Opportunity (NOFO)	Hydrogen and Fuel Cell Technologies Office (HFTO)		11/20/2024 05:00 PM ET	1/31/2025 05:00 PM ET
DE-LC-0001124	FY25 Technology Commercialization Fund Base Annual Appropriations Core Laboratory Infrastructure for Market Readiness Lab Call	Lab Call (LC)	Office of Technology Transitions (OTT)		12/12/2024 03:00 PM ET	3/11/2025 03:00 PM ET
DE-FOA-0003455	Circularity for Secure and Sustainable Products and Materials: A Draft Strategic Framework RFI	Request for Information (RFI)	Advanced Materials and Manufacturing Technologies Office (AMMTO)			12/16/2024 05:00 PM ET
TPL-0000063	Teaming Partner List for DE-FOA-0003373; Bipartisan Infrastructure Law (BIL), Provision 41007(b)(2), Wind Turbine Technology Recycling	Teaming Partner List				
DE-FOA-0003443	Notice of Intent to Issue Funding Opportunity DE-FOA-0003373: Bipartisan Infrastructure Law (BIL), Provision 41007(b)(2), Wind Turbine Technology Recycling	Notice of Intent to Publish Announcement (NOI)	Wind Energy Technologies (WETO)			TBD
TPL-0000062	Teaming Partner List - DE-FOA-0003362: U.S.-Danish Floating Offshore Wind Energy Mooring and Anchoring	Teaming Partner List				
DE-FOA-0003362	U.S.-Danish Floating Offshore Wind Energy Mooring and Anchoring Research and Development	Funding Opportunity Announcement (FOA)	Wind Energy Technologies (WETO)			1/14/2025 05:00 PM ET
DE-FOA-0003433	Notice of Intent to Issue Funding Opportunity Announcement DE-FOA-3434: Bipartisan Infrastructure Law (BIL) Electric Drive Vehicle Battery Improving Economics, Recovery and Reuse, and State of Health.	Notice of Intent to Publish Announcement (NOI)	Vehicle Technologies (VTO)		TBD	TBD
DE-FOA-0003465	Technology and Market Potential of Photovoltaic-Thermal (PVT) Systems in the United States	Request for Information (RFI)	Solar Energy Technologies (SETO)			12/31/2024 05:00 PM ET
TPL-0000061	Teaming Partner List for SuperTruck Charge FOA	Teaming Partner List				
DE-FOA-0003344	SuperTruck Charge	Funding Opportunity Announcement (FOA)	Vehicle Technologies (VTO)		10/8/2024 05:00 PM ET	11/20/2024 05:00 PM ET
TPL-0000060	TPL-0000060 - Teaming Partner List for DE-FOA-0003371 FY24 Scale-Up of Integrated Biorefineries	Teaming Partner List				
DE-FOA-0003371	FY24 Scale-Up of Integrated Biorefineries	Funding Opportunity Announcement (FOA)	Bioenergy Technologies (BETO)		11/7/2024 05:00 PM ET	1/31/2025 05:00 PM ET

[Get Support](#)

TPL-0000058	Teaming Partner List for DE-FOA-0003439: Advanced Hydrogen and Fuel Cell Technologies to Drive National Goals	Teaming Partner List				
TPL-0000059	Teaming Partner List for the FY25 TCF Base CLIMR Lab Call	Teaming Partner List				
DE-FOA-0003438	Notice of Intent (NOI) to Issue Notice of Funding Opportunity (NOFO) Advanced Hydrogen and Fuel Cell Technologies to Drive National Decarbonization DE-FOA-0003439	Notice of Intent to Publish Announcement (NOI)	Hydrogen and Fuel Cell Technologies Office (HFTO)		TBD	TBD
DE-FOA-0003459	Notice of Intent to Issue Fiscal Year 2025 Solar Module and Solar Hardware (SMASH) Incubator Notice of Funding Opportunity	Notice of Intent to Publish Announcement (NOI)	Solar Energy Technologies (SETO)			TBD
DE-LC-0000124	Notice of Intent to Publish the FY25 Technology Commercialization Fund Base Annual Appropriations Core Laboratory Infrastructure for Market Readiness Lab Call	Notice of Intent to Publish Announcement (NOI)	Office of Technology Transitions (OTT)		TBD	TBD
DE-FOA-0003463	Distributed Energy Resource Interconnection Roadmap Draft	Request for Information (RFI)	Solar Energy Technologies (SETO)			10/10/2024 11:59 PM ET
DE-LC-000L123	FY25 Spring Energy I-Corps Lab Call	Lab Call (LC)	Office of Technology Transitions (OTT)			10/18/2024 03:00 PM ET
DE-FOA-0003426	Microelectronics Energy Efficiency Scaling for 2 Decades (EES2) RD&D Roadmap	Request for Information (RFI)	Advanced Materials and Manufacturing Technologies Office (AMMTO)			12/16/2024 05:00 PM ET
TPL-0000057	Teaming Partner List for DE-FOA-0003383: Fiscal Year 2024 Vehicle Technologies Office Batteries Funding Opportunity Announcement	Teaming Partner List				
DE-FOA-0003383	Fiscal Year 2024 Vehicle Technologies Office Batteries Funding Opportunity Announcement	Funding Opportunity Announcement (FOA)	Vehicle Technologies (VTO)		9/9/2024 05:00 PM ET	10/30/2024 05:00 PM ET
DE-FOA-0003427	Notice of Intent to Issue Funding Opportunity Announcement DE-FOA-0003415 Oceans of Opportunity: U.S. Wave Energy Open Water Testing	Notice of Intent to Publish Announcement (NOI)	Water Power Technologies (WPTO)			TBD
DE-FOA-0003416	Residential Wood Heater In-Situ Testing RFI	Request for Information (RFI)	Bioenergy Technologies (BETO)			9/30/2024 05:00 PM ET
DE-FOA-0003334	Offshore Wind National and Regional Research and Development	Funding Opportunity Announcement (FOA)	Wind Energy Technologies (WETO)		9/3/2024 05:00 PM ET	11/7/2024 05:00 PM ET
DE-FOA-0003435	Request for Information (RFI) on Enhancing Coordination of the Lab Embedded Entrepreneurship Program (LEEP)	Request for Information (RFI)	Advanced Materials and Manufacturing Technologies Office (AMMTO)			9/26/2024 05:00 PM ET
TPL-0000052	Teaming Partner List for DE-FOA-0003136 Connected Communities 2.0 FOA	Teaming Partner List				
DE-FOA-0003136	Connected Communities 2.0: Innovations to Manage Growing Transportation, Building, and Industrial Loads to the Grid	Funding Opportunity Announcement (FOA)	Building Technologies (BTO)		8/20/2024 05:00 PM ET	10/16/2024 05:00 PM ET
DE-FOA-0003329	Smart Manufacturing Technologies for Material and Process Innovation	Funding Opportunity Announcement (FOA)	Advanced Materials and Manufacturing Technologies Office (AMMTO)		8/22/2024 05:00 PM ET	11/18/2024 05:00 PM ET
TPL-0000056	WPIN: Teaming Partner List	Teaming Partner List				
DE-FOA-0003389	DE-FOA-0003389 Request for Information (RFI) on Renewable Propane Production Technologies and Uses	Request for Information (RFI)	Bioenergy Technologies (BETO)			8/5/2024 05:00 PM ET
DE-FOA-0003323	Water Power Innovation Network	Funding Opportunity Announcement (FOA)	Water Power Technologies (WPTO)		8/28/2024 05:00 PM ET	10/23/2024 05:00 PM ET
DE-FOA-0002826	Bipartisan Infrastructure Law Enhanced Geothermal Systems (EGS) Pilot Demonstrations	Funding Opportunity Announcement (FOA)	Geothermal Technologies (GTO)	7/18/2024 05:00 PM ET		9/25/2024 05:00 PM ET
DE-FOA-0003248	FY2024 Vehicle Technologies Office Research & Development Funding Opportunity Announcement	Funding Opportunity Announcement (FOA)	Vehicle Technologies (VTO)		5/2/2024 05:00 PM ET	6/24/2024 05:00 PM ET
TPL-0000054	Teaming Partner List for DE-FOA-0003289: Fiscal Year 2024 Solar Energy Supply Chain Incubator FOA	Teaming Partner List				
TPL-0000055	Geothermal Technologies Office Geothermal Resources' Value in Implementing Decarbonization (GTO GRID) FOA Teaming Partner List	Teaming Partner List				
DE-FOA-0003346	Geothermal Technologies Office Geothermal Resources' Value in Implementing Decarbonization (GTO GRID)	Funding Opportunity Announcement (FOA)	Geothermal Technologies (GTO)	7/24/2024 05:00 PM ET		9/9/2024 05:00 PM ET
DE-FOA-0003289	Fiscal Year 2024 Solar Energy Supply Chain Incubator FOA	Funding Opportunity Announcement (FOA)	Solar Energy Technologies (SETO)		7/19/2024 05:00 PM ET	10/7/2024 05:00 PM ET
TPL-0000053	Topic Information for Teaming Partners List Associated with Funding Opportunity DE-FOA-0003331	Teaming Partner List				
DE-FOA-0003382	Notice of Intent to Issue FY24 Vehicle Technologies Office Batteries & Electrification Funding Opportunity Announcement DE-FOA-0003383	Notice of Intent to Publish Announcement (NOI)	Vehicle Technologies (VTO)			TBD
DE-FOA-0003331	Solar Technologies' Rapid Integration and Validation for Energy Systems (STRIVES)	Funding Opportunity Announcement (FOA)	Solar Energy Technologies (SETO)		7/25/2024 05:00 PM ET	10/25/2024 05:00 PM ET
DE-FOA-0003363	Notice of Request for Information (RFI) on Transforming Industry: Strategies for Decarbonization	Request for Information (RFI)	Industrial Efficiency and Decarbonization Office (IEDO)			6/24/2024 05:00 PM ET
DE-LC-0000119	FY24 VTO Lab Call	Lab Call (LC)	Vehicle Technologies (VTO)			6/12/2024 05:00 PM ET

DE-FOA-0003353	Progression of Net-Zero Emission Propulsion Technologies for the Off-Road Sector	Request for Information (RFI)	Bioenergy Technologies (BETO)			6/7/2024 05:00 PM ET	
TPL-0000051	Photovoltaics Research and Development (PVRD) FOA 2024	Teaming Partner List					
DE-FOA-0003337	Photovoltaics Research and Development (PVRD) FOA 2024	Funding Opportunity Announcement (FOA)	Solar Energy Technologies (SETO)	6/12/2024 05:00 PM ET	7/1/2024 05:00 PM ET	9/16/2024 05:00 PM ET	
DE-FOA-0003072	WASTE: Waste Analysis and Strategies for Transportation End-uses	Funding Opportunity Announcement (FOA)	Bioenergy Technologies (BETO)		6/20/2024 05:00 PM ET	9/9/2024 05:00 PM ET	
DE-FOA-0003372	EERE Wide Joint NOI for Field Validation FOAs	Notice of Intent to Publish Announcement (NOI)	Solar Energy Technologies (SETO)				TBD
DE-FOA-0003352	Notice of Intent to Issue SuperTruck Charge FOA	Notice of Intent to Publish Announcement (NOI)	Vehicle Technologies (VTO)				TBD
TPL-0000050	Offshore Wind National and Regional Research and Development Teaming Partner List	Teaming Partner List					
DE-FOA-0003345	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0003334 Offshore Wind National and Regional Research and Development	Notice of Intent to Publish Announcement (NOI)	Wind Energy Technologies (WETO)				TBD
DE-FOA-0003315	Request For Information: U.S. Domestic Wind Turbine Blade Manufacturing Innovation	Request for Information (RFI)	Wind Energy Technologies (WETO)				TBD
TPL-0000047	Teaming Partner List for Joint Office of Energy and Transportation: Communities Taking Charge Accelerator FOA DE-FOA-0003214	Teaming Partner List					
DE-FOA-0003214	Bipartisan Infrastructure Law (BIL) – Joint Office of Energy and Transportation: Communities Taking Charge Accelerator, Fiscal Year 2024 Funding Opportunity Announcement	Funding Opportunity Announcement (FOA)	Joint Office of Energy and Transportation (JOET)		5/20/2024 05:00 PM ET	7/16/2024 05:00 PM ET	
DE-FOA-0003328	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0003329 Smart Manufacturing	Notice of Intent to Publish Announcement (NOI)	Advanced Materials and Manufacturing Technologies Office (AMMTO)				TBD
DE-LC-000L120	DATA, ANALYSIS, AND MODELING TOOLS LAB CALL	Lab Call (LC)	Advanced Materials and Manufacturing Technologies Office (AMMTO)				6/11/2024 05:00 PM ET
DE-FOA-0003274	MACRO - Mixed Algae Conversion Research Opportunity	Funding Opportunity Announcement (FOA)	Bioenergy Technologies (BETO)		5/10/2024 05:00 PM ET	7/18/2024 05:00 PM ET	
TPL-0000048	Teaming partner list for DE-FOA-0003269, "Concentrating Solar Flux to Heat and Power"	Teaming Partner List					
DE-FOA-0003269	Concentrating Solar Flux to Heat and Power	Funding Opportunity Announcement (FOA)	Solar Energy Technologies (SETO)		5/16/2024 05:00 PM ET	8/16/2024 05:00 PM ET	
TPL-0000049	Teaming Partner List for DE-FOA-0003246 Solar and Wind Interconnection for Future Transmission (SWIFTR)	Teaming Partner List					
DE-FOA-0003327	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0003323 - Water Power Innovation Network	Notice of Intent to Publish Announcement (NOI)	Water Power Technologies (WPTO)				TBD
TPL-0000046	Aerodynamics for Offshore Wind Performance and Reliability	Teaming Partner List					
DE-FOA-0003318	Notice of Intent to Issue Funding Opportunity Announcement DE-FOA-0003183 Bipartisan Infrastructure Law (BIL), Provision 41007(b)(1), Aerodynamics for Offshore Wind Performance and Reliability	Notice of Intent to Publish Announcement (NOI)	Wind Energy Technologies (WETO)				TBD
TPL-0000045	Teaming Partner List for DE-FOA-0003225 FY24 BIL CODES RECT2 FOA	Teaming Partner List					
DE-LC-000L116	FY24 Fall Energy I-Corps Lab Call	Lab Call (LC)	Office of Technology Transitions (OTT)				4/12/2024 03:00 PM ET
DE-FOA-0003246	Solar and Wind Interconnection for Future Transmission (SWIFTR)	Funding Opportunity Announcement (FOA)	Solar Energy Technologies (SETO)		4/17/2024 05:00 PM ET	7/11/2024 05:00 PM ET	
DE-LC-0000112	FY24 WPTO Hydropower Lab Call	Lab Call (LC)	Water Power Technologies (WPTO)		4/2/2024 03:00 AM ET	6/6/2024 05:00 PM ET	
DE-FOA-0003225	Bipartisan Infrastructure Law (BIL): Resilient and Efficient Codes Implementation (RECI)	Funding Opportunity Announcement (FOA)	Building Technologies (BTO)		4/5/2024 05:00 PM ET	6/6/2024 05:00 PM ET	
DE-LC-0000118	NATIONAL LABORATORY CALL FOR TECHNICAL ASSISTANCE WITH HYDROPOWER HYBRIDS AND PUMPED STORAGE HYDROPOWER	Lab Call (LC)	Water Power Technologies (WPTO)				6/6/2024 05:00 PM ET
DE-FOA-0003338	NOI: Concentrating Solar Flux to Heat and Power	Notice of Intent to Publish Announcement (NOI)	Solar Energy Technologies (SETO)				TBD
TPL-0000038	Teaming Partner List for DE-FOA-0003178 Inflation Reduction Act Funding for Advanced Biofuels	Teaming Partner List					
DE-FOA-0003178	Inflation Reduction Act Funding for Advanced Biofuels FOA	Funding Opportunity Announcement (FOA)	Bioenergy Technologies (BETO)		3/22/2024 05:00 PM ET	6/14/2024 05:00 PM ET	
TPL-0000043	Teaming Partner List for DE-FOA-0003250 FY 24 VTO TI FOA	Teaming Partner List					
TPL-0000044	TPL-0000044: Teaming Partner List for FOA DE-FOA-0003274 Mixed Algae Conversion Research Opportunity (MACRO)	Teaming Partner List					

DE-FOA-0003276	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0003274: Mixed Algae Conversion Research Opportunity (MACRO)	Notice of Intent to Publish Announcement (NOI)	Cross-Cutting			TBD
DE-FOA-0003250	Fiscal Year 2024 VTO Technology Integration (TI) Funding Opportunity Announcement	Funding Opportunity Announcement (FOA)	Vehicle Technologies (VTO)		3/12/2024 05:00 PM ET	4/30/2024 05:00 PM ET
DE-FOA-0003209	Regional Resource Hubs for Purpose-Grown Energy Crops	Funding Opportunity Announcement (FOA)	Bioenergy Technologies (BETO)		3/14/2024 05:00 PM ET	6/13/2024 05:00 PM ET
TPL-0000042	Combined Wellbore Construction High Temperature Tools and Reservoir Thermal Energy Storage (RTES)	Teaming Partner List				
DE-FOA-0003296	Combined Wellbore Construction High Temperature Tools and Reservoir Thermal Energy Storage (RTES)	Funding Opportunity Announcement (FOA)	Geothermal Technologies (GTO)	3/1/2024 05:00 PM ET		4/1/2024 05:00 PM ET
DE-FOA-0003219	FY24 Energy and Emissions Intensive Industries FOA	Funding Opportunity Announcement (FOA)	Industrial Efficiency and Decarbonization Office (IEDO)		3/19/2024 05:00 PM ET	7/2/2024 05:00 PM ET
DE-FOA-0003236	Platform Technologies for Transformative Battery Manufacturing	Funding Opportunity Announcement (FOA)	Advanced Materials and Manufacturing Technologies Office (AMMTO)		3/4/2024 05:00 PM ET	5/7/2024 05:00 PM ET
DE-FOA-0003304	RFI on Supporting Success for Low-Income and Disadvantaged Community Solar Program Design, Implementation, and Adoption	Request for Information (RFI)	Solar Energy Technologies (SETO)			2/23/2024 05:00 PM ET
DE-FOA-0003275	Receivers and Reactors for Concentrating Solar-Thermal Power Plants and Solar Industrial Process Heat	Request for Information (RFI)	Solar Energy Technologies (SETO)			2/20/2024 05:00 PM ET
TPL-0000039	Teaming Partner List for DE-FOA-0003097 Marine Energy University Foundational R&D	Teaming Partner List				
DE-FOA-0003308	Small Innovative Projects in Solar: Concentrating Solar Power and Photovoltaics (SIPS: CSP & PV) – Annual	Funding Opportunity Announcement (FOA)	Solar Energy Technologies (SETO)			3/6/2024 05:00 PM ET
DE-FOA-0003302	Offshore Wind National and Regional Research and Development Priorities	Request for Information (RFI)	Wind Energy Technologies (WETO)		TBD	TBD
DE-FOA-0003097	Marine Energy Foundational R&D	Funding Opportunity Announcement (FOA)	Water Power Technologies (WPTO)		2/20/2024 05:00 PM ET	5/6/2024 05:00 PM ET
DE-FOA-0003257	National Definition for a Zero Emissions Building: Part 1 Operating Emissions	Request for Information (RFI)	Building Technologies (BTO)			TBD
DE-FOA-0003247	Notice of Intent to Issue FY24 VTO R&D FOA DE-FOA-0003248	Notice of Intent to Publish Announcement (NOI)	Vehicle Technologies (VTO)			TBD
DE-FOA-0003249	Notice of Intent to Issue FY24 VTO Technology Integration FOA DE-FOA-0003250	Notice of Intent to Publish Announcement (NOI)	Vehicle Technologies (VTO)			TBD
DE-FOA-0003270	Supercritical Carbon Dioxide based Turbomachinery for Concentrating Solar Power Plants	Request for Information (RFI)	Solar Energy Technologies (SETO)			2/20/2024 05:00 PM ET
DE-FOA-0003120	Bipartisan Infrastructure Law (BIL) FY23 BIL Electric Drive Vehicle Battery Recycling and Second Life Applications	Funding Opportunity Announcement (FOA)	Vehicle Technologies (VTO)		2/7/2024 05:00 PM ET	4/19/2024 05:00 PM ET
TPL-0000037	Teaming Partner List For FOA DE-FOA-0003209 Regional Resource Hubs for Purpose-Grown Energy Crops	Teaming Partner List				
DE-FOA-0003233	Notice of Intent to Publish Regional Resource Hubs for Purpose-Grown Energy Crops	Notice of Intent to Publish Announcement (NOI)	Bioenergy Technologies (BETO)			TBD
DE-FOA-0003213	Hydrogen and Fuel Cell Technologies Office FOA to Advance the National Clean Hydrogen Strategy	Funding Opportunity Announcement (FOA)	Hydrogen and Fuel Cell Technologies Office (HFTO)		1/26/2024 05:00 PM ET	3/22/2024 05:00 PM ET
TPL-0000036	Teaming Partner List for DE-FOA-0003226, Solar Energy Evolution and Diffusion Studies 4 (SEEDS 4) FOA	Teaming Partner List				
DE-FOA-0003226	Solar Energy Evolution and Diffusion Studies 4 (SEEDS 4)	Funding Opportunity Announcement (FOA)	Solar Energy Technologies (SETO)		1/30/2024 05:00 PM ET	3/15/2024 05:00 PM ET
DE-FOA-0003155	Critical Materials Accelerator	Funding Opportunity Announcement (FOA)	Advanced Materials and Manufacturing Technologies Office (AMMTO)		1/5/2024 05:00 PM ET	3/22/2024 05:00 PM ET
DE-FOA-0003251	Request for Information: Clean Energy Careers For All Program DE-FOA-0003251	Request for Information (RFI)	Integrated Strategies			1/26/2024 05:00 PM ET
TPL-0000034	Teaming Partner List for DE-FOA-0003103	Teaming Partner List				
DE-FOA-0003186	Progression to Net-Zero Emission Propulsion Technologies for the Rail Sector	Request for Information (RFI)	Cross-Cutting			2/12/2024 05:00 PM ET
TPL-0000030	Teaming Partner List for DE-FOA-0003219: FY24 Energy and Emissions Intensive Industries	Teaming Partner List				
DE-FOA-0003218	Notice of Intent to Issue FOA - DE-FOA-0003219: FY24 Energy and Emissions Intensive Industries	Notice of Intent to Publish Announcement (NOI)	Industrial Efficiency and Decarbonization Office (IEDO)			TBD
DE-FOA-0003206	Industrial Efficiency and Decarbonization Office (IEDO) Fiscal Year 2024 Cross-Sector Technologies FOA	Funding Opportunity Announcement (FOA)	Industrial Efficiency and Decarbonization Office (IEDO)		12/18/2023 05:00 PM ET	3/26/2024 05:00 PM ET
DE-FOA-0003103	Strategies to Increase Hydropower Flexibility	Funding Opportunity Announcement (FOA)	Water Power Technologies (WPTO)		2/9/2024 05:00 PM ET	5/17/2024 05:00 PM ET
DE-LC-000L110	FY24 Technology Commercialization Fund Base Annual Appropriations Core Laboratory Infrastructure for Market Readiness Lab Call	Lab Call (LC)	Office of Technology Transitions (OTT)		1/16/2024 03:00 PM ET	3/18/2024 03:00 PM ET

TPL-0000027	Teaming Partner List for the FY24 TCF Base CLIMR Lab Call	Teaming Partner List				
TPL-0000028	Teaming Partner List for FOA DE-FOA-0003072 WASTE: Waste Analysis and Strategies for Transportation End-uses	Teaming Partner List				
DE-FOA-0003137	Notice of Intent to Issue: Funding Announcement Number DE-FOA-0003072	Notice of Intent to Publish Announcement (NOI)	Bioenergy Technologies (BETO)		TBD	TBD
DE-FOA-0003166	Challenges and Opportunities at the Interface of Wind Energy and Radar Technology	Request for Information (RFI)	Wind Energy Technologies (WETO)			TBD
TPL-0000026	Teaming Partner List for DE-FOA-0003158 BENEFIT FY24	Teaming Partner List				
DE-FOA-0003158	Buildings Energy Efficiency Frontiers & Innovation Technologies (BENEFIT) – 2024	Funding Opportunity Announcement (FOA)	Building Technologies (BTO)		12/18/2023 05:00 PM ET	3/5/2024 05:00 PM ET
DE-FOA-0003220	Transmission System Interconnection Roadmap Draft	Request for Information (RFI)	Solar Energy Technologies (SETO)			12/1/2023 05:00 PM ET
DE-FOA-0003167	Request for Information in the Area of Grid Integration of Solar Energy Systems and Other Inverter-based Resources	Request for Information (RFI)	Solar Energy Technologies (SETO)			12/15/2023 05:00 PM ET
DE-FOA-0003205	Notice of Intent to Issue Funding Opportunity DE-FOA-0003206: IEDO Fiscal Year 2024 Cross-Sector Technologies FOA	Notice of Intent to Publish Announcement (NOI)	Industrial Efficiency and Decarbonization Office (IEDO)			TBD
DE-LC-0000110	Notice of Intent to Publish the FY24 Technology Commercialization Fund Base Annual Appropriations Core Laboratory Infrastructure for Market Readiness Lab Call	Notice of Intent to Publish Announcement (NOI)	Office of Technology Transitions (OTT)			TBD
DE-FOA-0003189	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0003103	Notice of Intent to Publish Announcement (NOI)	Water Power Technologies (WPTO)			TBD
TPL-0000025	DE-FOA-0003121: Installation Noise Reduction and Reliable Moorings for Offshore Wind and Marine Energy	Teaming Partner List				
DE-FOA-0003121	Installation Noise Reduction and Reliable Moorings for Offshore Wind and Marine Energy	Funding Opportunity Announcement (FOA)	Wind Energy Technologies (WETO)		11/9/2023 05:00 PM ET	3/1/2024 05:00 PM ET
DE-FOA-0003141	Innovative DEsigns for high-performAnce Low-cost HVDC Converters (IDEAL HVDC)	Funding Opportunity Announcement (FOA)	Wind Energy Technologies (WETO)		11/14/2023 05:00 PM ET	2/5/2024 05:00 PM ET
DE-FOA-0003182	Energy Program for Innovation Clusters (EPIC) Round 3	Funding Opportunity Announcement (FOA)	Office of Technology Transitions (OTT)			TBD
DE-FOA-0003157	Sustainable Aviation Fuel (SAF) Grand Challenge: Building Supply Chains Request for Information	Request for Information (RFI)	Bioenergy Technologies (BETO)			11/17/2023 05:00 PM ET
DE-FOA-0003080	Solar-thermal Fuels and Thermal Energy Storage via Concentrated Solar-thermal Energy	Funding Opportunity Announcement (FOA)	Solar Energy Technologies (SETO)		11/3/2023 05:00 PM ET	2/1/2024 05:00 PM ET
TPL-0000023	Teaming Partner List for Critical Materials Accelerator FOA	Teaming Partner List				
DE-FOA-0003154	Notice of Intent to issue Critical Materials Accelerator Funding Opportunity Announcement	Notice of Intent to Publish Announcement (NOI)	Advanced Materials and Manufacturing Technologies Office (AMMTO)			TBD
DE-LC-000L107	FY24 Spring Energy I-Corps Lab Call	Lab Call (LC)	Office of Technology Transitions (OTT)			11/3/2023 03:00 PM ET
DE-FOA-0003058	Advancing U.S. Thin-Film Solar Photovoltaics	Funding Opportunity Announcement (FOA)	Solar Energy Technologies (SETO)		10/24/2023 05:00 PM ET	12/18/2023 05:00 PM ET
DE-FOA-0003140	Notice of Intent (NOI) to issue Funding Opportunity Announcement No. DE-FOA-0003121	Notice of Intent to Publish Announcement (NOI)	Wind Energy Technologies (WETO)			TBD
TPL-0000022	DE-FOA-0003141 Teaming Partner List for IDEAL HVDC FOA	Teaming Partner List				
DE-FOA-0003142	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0003141	Notice of Intent to Publish Announcement (NOI)	Wind Energy Technologies (WETO)		TBD	TBD
DE-FOA-0003129	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0003097	Notice of Intent to Publish Announcement (NOI)	Water Power Technologies (WPTO)			TBD
DE-FOA-0003119	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0003120	Notice of Intent to Publish Announcement (NOI)	Vehicle Technologies (VTO)			TBD
DE-FOA-0003156	Development of Green Shipping Corridors Between the United States and the United Kingdom	Request for Information (RFI)	Cross-Cutting			9/29/2023 05:00 PM ET
TPL-0000021	Teaming Partner List for DE-FOA-0002985 Bipartisan Infrastructure Law (BIL) – Materials, Operation, and Recycling of Photovoltaics (MORE PV)	Teaming Partner List				
DE-FOA-0002985	Bipartisan Infrastructure Law (BIL) – Materials, Operation, and Recycling of Photovoltaics (MORE PV)	Funding Opportunity Announcement (FOA)	Solar Energy Technologies (SETO)	9/6/2023 05:00 PM ET	9/13/2023 05:00 PM ET	11/30/2023 05:00 PM ET
DE-FOA-0003057	Bipartisan Infrastructure Law: Silicon Solar Manufacturing, and Dual-use Photovoltaics Incubator	Funding Opportunity Announcement (FOA)	Solar Energy Technologies (SETO)		9/27/2023 05:00 PM ET	11/14/2023 05:00 PM ET
TPL-0000020	Teaming Partner List for DE-FOA-0003058: Advancing U.S. Thin-Film Solar Photovoltaics	Teaming Partner List				
DE-FOA-0003060	Notice of Intent to Issue Funding Opportunity Announcement (FOA) "Advancing U.S. Thin-Film Solar"	Notice of Intent to Publish Announcement (NOI)	Solar Energy Technologies (SETO)			TBD
DE-FOA-0003107	Zero-Emission Shipping Mission (ZESM): Progression to Net-Zero Emission Fuels State of the Industry	Request for Information (RFI)	Bioenergy Technologies (BETO)			TBD
DE-FOA-0003085	Request for Information to Provide Feedback on Critical Materials Assessment	Request for Information (RFI)	Advanced Materials and Manufacturing			6/20/2023 05:00 PM ET

				Technologies Office (AMMTO)			
TPL-0000011	Teaming Partner List for DE-FOA-0002881 Bipartisan Infrastructure Law (BIL): Joint Office of Energy and Transportation Ride and Drive Electric, Fiscal Year 2023 FOA	Teaming Partner List					
DE-FOA-0002881	Bipartisan Infrastructure Law (BIL) Joint Office of Energy and Transportation Ride and Drive Electric, Fiscal Year 2023 FOA	Funding Opportunity Announcement (FOA)	Joint Office of Energy and Transportation (JOET)		6/16/2023 05:00 PM ET	8/25/2023 05:00 PM ET	
DE-FOA-0002954	WETO Offshore Wind 2023 Centers of Excellence	Funding Opportunity Announcement (FOA)	Wind Energy Technologies (WETO)		6/8/2023 05:00 PM ET	8/28/2023 05:00 PM ET	
DE-FOA-0002845	Bipartisan Infrastructure Law (BIL), Section 41006(a)(2): U.S. Tidal Energy Advancement	Funding Opportunity Announcement (FOA)	Water Power Technologies (WPTO)		6/5/2023 05:00 PM ET	7/25/2023 05:00 PM ET	
DE-TA2-0002845	Bipartisan Infrastructure Law (BIL), Section 41006(a)(2), U.S. Tidal Energy Advancement	Funding Opportunity Announcement (FOA)	Water Power Technologies (WPTO)		7/13/2023 11:00 PM ET	10/19/2023 05:00 PM ET	
DE-FOA-0003084	Notice of Intent to issue Critical Materials Assessment Request for Information	Notice of Intent to Publish Announcement (NOI)	Advanced Materials and Manufacturing Technologies Office (AMMTO)			TBD	
TPL-0000018	Teaming Partners List for DE-FOA-0003034: (OPTIMA) Operations and Planning Tools for Inverter-Based Resource Management and Availability for Future Power Systems	Teaming Partner List					
DE-FOA-0003034	Operation and Planning Tools for Inverter-Based Resource Management and Availability for Future Power Systems (OPTIMA)	Funding Opportunity Announcement (FOA)	Solar Energy Technologies (SETO)		6/12/2023 05:00 PM ET	9/14/2023 05:00 PM ET	
DE-LC-0000023	Microelectronic Devices for Energy Efficiency Scaling	Lab Call (LC)	Advanced Materials and Manufacturing Technologies Office (AMMTO)			6/6/2023 05:00 PM ET	
DE-LC-0000027	National Laboratory Call for Proposals Strengthening Domestic Capabilities in Solid-State and Flow Battery Manufacturing	Lab Call (LC)	Advanced Materials and Manufacturing Technologies Office (AMMTO)		5/12/2023 05:00 PM ET	6/23/2023 05:00 PM ET	
DE-FOA-0002888	Small Innovative Projects in Solar: Concentrating Solar Power and Photovoltaic (SIPs: CSP & PV) - Annual	Funding Opportunity Announcement (FOA)	Solar Energy Technologies (SETO)			6/1/2023 05:00 PM ET	
DE-FOA-0003023	Domestic Near Net Shape Manufacturing to Enable a Clean and Competitive Economy	Funding Opportunity Announcement (FOA)	Advanced Materials and Manufacturing Technologies Office (AMMTO)		5/11/2023 05:00 PM ET	6/23/2023 05:00 PM ET	
DE-FOA-0003074	Scaling the U.S. Solar Manufacturing Workforce	Request for Information (RFI)	Solar Energy Technologies (SETO)			6/2/2023 05:00 PM ET	
TPL-0000015	Teaming Partner List for NOI DE-FOA-0003022: Domestic NNS Manufacturing	Teaming Partner List					
DE-FOA-0002988	Bi-Partisan Infrastructure Law (BIL) Energy Efficiency Conservation Block Grant (EECBG) Competitive Program	Funding Opportunity Announcement (FOA)	Energy Efficiency and Conservation Block Grant Program (EECBG)		6/5/2023 05:00 PM ET	8/7/2023 05:00 PM ET	
DE-FOA-0003064	DE-FOA-0003064 Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0002954: WETO Offshore Wind 2023 Centers of Excellence	Notice of Intent to Publish Announcement (NOI)	Wind Energy Technologies (WETO)			TBD	
DE-FOA-0003059	Request for Information on Challenges and Opportunities of Increasing Material Circularity	Request for Information (RFI)	Advanced Materials and Manufacturing Technologies Office (AMMTO)			5/1/2023 05:00 PM ET	
DE-LC-0000021	VTO Fiscal Year 2023 Lab Call	Lab Call (LC)	Vehicle Technologies (VTO)			4/27/2023 11:59 PM ET	
TPL-0000014	Teaming Partner List for Bipartisan Infrastructure Law Technology Commercialization Fund: Collaborative Alignment for Critical Technology Industries Lab Call	Teaming Partner List					
DE-LC-0001002	Placeholder for Teaming Partner List for Bipartisan Infrastructure Law Technology Commercialization Fund: Collaborative Alignment for Critical Technology Industries Lab Call	Notice of Intent to Publish Announcement (NOI)	Office of Technology Transitions (OTT)			TBD	
DE-LC-0000019	Technical Resources for Industrial Pursuit of Lower Emissions (TRIPLE)	Lab Call (LC)	Industrial Efficiency and Decarbonization Office (IEDO)			5/19/2023 05:00 PM ET	
DE-FOA-0003022	Notice of Intent to Issue FOA - DE-FOA-0003023: Domestic Near Net Shape Manufacturing to Enable a Clean and Competitive Economy	Notice of Intent to Publish Announcement (NOI)	Advanced Materials and Manufacturing Technologies Office (AMMTO)			TBD	
DE-FOA-0002922	Bipartisan Infrastructure Law: Clean Hydrogen Electrolysis, Manufacturing, and Recycling	Funding Opportunity Announcement (FOA)	Hydrogen and Fuel Cell Technologies Office (HFTO)		4/19/2023 05:00 PM ET	7/19/2023 05:00 PM ET	
DE-FOA-0002997	Industrial Efficiency and Decarbonization Office (IEDO) FY23 Multi-Topic FOA	Funding Opportunity Announcement (FOA)	Industrial Efficiency and Decarbonization Office (IEDO)		4/17/2023 05:00 PM ET	6/23/2023 05:00 PM ET	
DE-LC-000L103	FY23 Fall Energy I-Corps Lab Call	Lab Call (LC)	Office of Technology Transitions (OTT)			4/28/2023 05:00 PM ET	
TPL-0000012	Teaming Partner List for DE-LC-000L101 - FY23 TCF Bas Annual Appropriations FECM Program-Led Topics Lab Call	Teaming Partner List					
0000101	Placeholder for Teaming Partner List for FY23 TCF Base Annual Appropriations FECM Program-Led Topics Lab Call	Notice of Intent to Publish Announcement (NOI)	Office of Technology Transitions (OTT)			TBD	

DE-LC-000L101	FY23 Technology Commercialization Fund (TCF) Base Annual Appropriations Fossil Energy and Carbon Management Program- Led Topics Lab Call	Lab Call (LC)	Office of Technology Transitions (OTT)			5/25/2023 03:00 PM ET
DE-FOA-0002996	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0002997 "IEDO FY23 Multi-topic FOA"	Notice of Intent to Publish Announcement (NOI)	Industrial Efficiency and Decarbonization Office (IEDO)			TBD
DE-FOA-0002883	Bi-Partisan Infrastructure Law (BIL) Request for Information on Energy Efficiency, Conservation Block Grant (EECBG) Competitive Program	Request for Information (RFI)	Energy Efficiency and Conservation Block Grant Program (EECBG)			TBD
DE-FOA-0002887	Bipartisan Infrastructure Law: Industrial Assessment Center (IAC) Program – IACs at Trade Schools, Community Colleges, and Union Training Programs; and Building Training and Assessments Centers (BTAC)	Notice of Intent to Publish Announcement (NOI)	Office of Manufacturing and Energy Supply Chains (MESC)			TBD
DE-FOA-0002880	BIL- Notice of Intent (NOI) to Issue DE-FOA-0002881 Joint Office of Energy and Transportation Ride and Drive Electric, Fiscal Year 2023 Funding Opportunity Announcement	Notice of Intent to Publish Announcement (NOI)	Joint Office of Energy and Transportation (JOET)	TBD		TBD
DE-FOA-0002943	Request for Information: Offshore Wind Centers of Excellence and Synergies between Offshore Wind, Marine Energy, and Aquaculture	Request for Information (RFI)	Wind Energy Technologies (WETO)			TBD
DE-FOA-0002960	Large Wind Turbine Materials and Manufacturing	Funding Opportunity Announcement (FOA)	Advanced Materials and Manufacturing Technologies Office (AMMTO)		3/23/2023 05:00 PM ET	5/17/2023 05:00 PM ET
DE-FOA-0002910	Reducing Agricultural Carbon Intensity and Protecting Algal Crops (RACIPAC)	Funding Opportunity Announcement (FOA)	Bioenergy Technologies (BETO)		3/20/2023 05:00 PM ET	5/16/2023 05:00 PM ET
DE-FOA-0002945	Onsite Energy Technical Assistance Partnerships	Funding Opportunity Announcement (FOA)	Industrial Efficiency and Decarbonization Office (IEDO)	2/28/2023 05:00 PM ET		4/21/2023 05:00 PM ET
DE-FOA-0002864	AMMTO-BTO and OE FY22 Multi-Topic FOA	Funding Opportunity Announcement (FOA)	Advanced Manufacturing Office (AMO)		2/3/2023 05:00 PM ET	4/7/2023 05:00 PM ET
DE-FOA-0002919	Notice of Intent (NOI) to Issue Hydrogen and Fuel Cell Technologies Office Funding Opportunity Announcement in Support of Hydrogen Shot	Notice of Intent to Publish Announcement (NOI)	Hydrogen and Fuel Cell Technologies Office (HFTO)			TBD
DE-FOA-0002813	Bipartisan Infrastructure Law: Resilient and Efficient Codes Implementation	Funding Opportunity Announcement (FOA)	Building Technologies (BTO)		1/31/2023 05:00 PM ET	3/27/2023 05:00 PM ET
TPL-0000006	Teaming Partner List, Bipartisan Infrastructure Law: Clean Hydrogen Electrolysis, Manufacturing, and Recycling, Funding Opportunity Announcement No. DE-FOA-0002922	Teaming Partner List				
DE-FOA-0002921	Notice of Intent to Issue Bipartisan Infrastructure Law (BIL) Funding Opportunity Announcement No. DE-FOA-0002922 "Clean Hydrogen Electrolysis, Manufacturing, and Recycling"	Notice of Intent to Publish Announcement (NOI)	Hydrogen and Fuel Cell Technologies Office (HFTO)			TBD
DE-FOA-0002909	Notice of Intent to Issue: Funding Opportunity Announcement No. DE-FOA-0002910 and Funding Opportunity Announcement No. DE-FOA-0002946	Notice of Intent to Publish Announcement (NOI)	Bioenergy Technologies (BETO)			TBD
DE-FOA-0002892	Notice of Intent to Issue Funding Opportunity Announcement no. DE-FOA-0002893 entitled Fiscal Year 2023 Vehicle Technologies Office Program Wide Funding Opportunity Announcement.	Notice of Intent to Publish Announcement (NOI)	Vehicle Technologies (VTO)			TBD
DE-FOA-0002788	Buildings Energy Efficiency Frontiers & Innovation Technologies (BENEFIT) – 2022/2023	Funding Opportunity Announcement (FOA)	Building Technologies (BTO)		2/7/2023 05:00 PM ET	4/5/2023 05:00 PM ET
TPL-0000004	Teaming Partner List for Onsite Energy Technical Assistance Partnerships (Notice of Intent No. DE-FOA-0002944)	Teaming Partner List				
DE-FOA-0002944	Notice of intent to issue Funding Opportunity Announcement NO. DE-FOA-0002945 for Onsite Energy Technical Assistance Partnerships	Notice of Intent to Publish Announcement (NOI)	Industrial Efficiency and Decarbonization Office (IEDO)		TBD	TBD
DE-LC-000L098	FY23 Technology Commercialization Fund (TCF) Base Annual Appropriations Core Laboratory Infrastructure for Market Readiness (CLIMR) Lab Call	Lab Call (LC)	Office of Technology Transitions (OTT)		1/25/2023 03:00 PM ET	3/17/2023 03:00 PM ET
DE-LC-000L100	Bipartisan Infrastructure Law Technology Commercialization Fund: Carbon Dioxide Removal Measurement, Reporting, and Verification Best Practices and Capabilities Lab Call	Lab Call (LC)	Office of Technology Transitions (OTT)		1/20/2023 03:00 PM ET	3/17/2023 03:00 PM ET
TPL-0000005	Teaming Partner List for Carbon Dioxide Removal Measurement, Reporting, and Verification Best Practices and Capabilities Lab Call (DE-LC-000L100)	Teaming Partner List				
TPL-0000003	Teaming Partner List for Water Power Technologies Office BIL FOA "U.S. Tidal Energy Advancement" as described in the Revised Notice of Intent No. DE-FOA-0002847	Teaming Partner List				
DE-FOA-0002866	Bipartisan Infrastructure Law: Industrial Assessment Centers Program - Centers of Excellence	Funding Opportunity Announcement (FOA)	Office of Manufacturing and Energy Supply Chains (MESC)	1/20/2023 05:00 PM ET		2/17/2023 05:00 PM ET
DE-FOA-0002930	DOE Partnership Intermediary Pilot	Other	Office of Technology Transitions (OTT)			1/3/2023 05:00 PM ET

DE-FOA-0002882	Notice of Intent to Issue BIL, Section 40552(b); Administrative and Legal Requirements Document and Application Instructions for the Energy Efficiency and Conservation Block Grant Program	Notice of Intent to Publish Announcement (NOI)	Energy Efficiency and Conservation Block Grant Program (EECBG)				TBD
DE-LC-0001001	Notice of Intent (NOI) to Issue Bipartisan Infrastructure Law (BIL) Technology Commercialization Fund (TCF) Lab Call on Carbon Dioxide Removal Measurement, Reporting, and Verification	Notice of Intent to Publish Announcement (NOI)	Office of Technology Transitions (OTT)				TBD
DE-FOA-0002872	Decarbonization of Water Resource Recovery Facilities (D-WRRF)	Notice of Intent to Publish Announcement (NOI)	Advanced Manufacturing Office (AMO)				TBD
DE-FOA-0002847	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0002845: Bipartisan Infrastructure Law (BIL), Section 41006(a)(2): U.S. Tidal Energy Advancement	Notice of Intent to Publish Announcement (NOI)	Water Power Technologies (WPTO)				TBD
DE-FOA-0002840	Notice of Intent to issue DE-FOA-0002828 Bipartisan Infrastructure Law FOA to Address Key Deployment Challenges for Offshore, Land-Based, and Distributed Wind	Notice of Intent to Publish Announcement (NOI)	Wind Energy Technologies (WETO)				TBD
DE-FOA-0002865	Notice of intent to issue Funding Opportunity Announcement NO. DE-FOA-0002864	Notice of Intent to Publish Announcement (NOI)	Advanced Manufacturing Office (AMO)				TBD
DE-LC-0001000	Notice of Intent (NOI) to Issue FY23 Appropriated Technology Commercialization Fund (TCF)	Notice of Intent to Publish Announcement (NOI)	Office of Technology Transitions (OTT)				TBD
DE-FOA-0002860	Notice of Intent to Issue FOA No. DE-FOA-0002823 - Lithium Extraction & Conversion from Geothermal Brines	Notice of Intent to Publish Announcement (NOI)	Advanced Manufacturing Office (AMO)				TBD
DE-FOA-0002804	Industrial Efficiency and Decarbonization FOA	Funding Opportunity Announcement (FOA)	Advanced Manufacturing Office (AMO)		10/12/2022 05:00 PM ET		1/11/2023 05:00 PM ET
DE-FOA-0002553	FY21 Advanced Manufacturing Office Multi-Topic FOA	Funding Opportunity Announcement (FOA)	Advanced Manufacturing Office (AMO)		9/10/2021 05:00 PM ET		11/16/2021 05:00 PM ET
DE-FOA-0002825	Bipartisan Infrastructure Law (BIL) - Request for Information (RFI); Bat Deterrent Technology Solutions	Request for Information (RFI)	Wind Energy Technologies (WETO)				TBD
DE-FOA-0002834	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0002801	Notice of Intent to Publish Announcement (NOI)	Water Power Technologies (WPTO)				TBD
DE-FOA-0002818	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0002793	Notice of Intent to Publish Announcement (NOI)	Water Power Technologies (WPTO)				TBD
DE-FOA-0002812	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0002813, Bipartisan Infrastructure Law: Building Energy Codes (Section 40511); Resilient and Efficient Codes Implementation (RECI)	Notice of Intent to Publish Announcement (NOI)	Building Technologies (BTO)				TBD
DE-FOA-0002803	Notice of Intent to Issue FOA DE-FOA-0002804 - Industrial Efficiency and Decarbonization FOA	Notice of Intent to Publish Announcement (NOI)	Advanced Manufacturing Office (AMO)				TBD
DE-FOA-0002762	BIPARTISAN INFRASTRUCTURE LAW (BIL) - REQUEST FOR INFORMATION (RFI) Energy Policy Act of 2005 Section 243 and 247 Hydroelectric Incentive Programs	Request for Information (RFI)	Water Power Technologies (WPTO)				TBD
DE-FOA-0002768	Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0002779 - Bipartisan Infrastructure Law: Additional Clean Hydrogen Programs (Section 40314): Regional Clean Hydrogen Hubs	Notice of Intent to Publish Announcement (NOI)	Office of Clean Energy Demonstration (OCED)				TBD
DE-FOA-0002695	RFI: Offshore Wind Social Science Research Needs	Request for Information (RFI)	Wind Energy Technologies (WETO)				TBD
DE-FOA-0002682	DE-FOA-0002682: Request for Information on Community-scale Resource and Energy Recovery from Waste Solutions	Request for Information (RFI)	Bioenergy Technologies (BETO)				TBD
DE-FOA-0002657	DE-FOA-0002657: Request for Information on Biomass Conversion Research, Development, and Analysis Programs	Request for Information (RFI)	Bioenergy Technologies (BETO)				TBD

TPL-000067: SMASH INCUBATOR TEAMING PARTNER LIST

This teaming partner list is for DE-FOA-0003460, Solar Module and Solar Hardware (SMASH) Incubator NOFO. The teaming partner list allows organizations that may wish to participate on a project to express their interest to other applicants and explore potential partnerships.

Private, for-profit manufacturing entities—the target applicants for this NOFO—would benefit greatly from developing strong partnerships within this ecosystem. As such, applicants are strongly encouraged to form teams for projects under this NOFO. Applicants are encouraged to partner with academia, national laboratories, other industry members, supply chain partners, equipment developers, and institutions representing a diversity of individuals, such as Tribal communities, minority-serving institutions, minority business enterprises, minority-owned businesses, woman-owned businesses, veteran-owned businesses, or entities located in underserved communities. Applicants are particularly encouraged to partner with a diverse set of organizations for demonstration and field-testing activities.

CONTACT INFORMATION

- solar.incubator@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

SMASH Incubator seeks to address the lack of sufficient private investment that is available to successfully commercialize the output of research, development, and demonstration activities and bring innovative solar photovoltaic (PV) technology to market.

[Apply](#)
Click for Control Number

Specifically, projects funded through this NOFO will encourage innovations in solar photovoltaic (PV) manufacturing across the supply chain, with the aim of reducing U.S. reliance on imported materials and technologies. This NOFO also encourages the development of new solar hardware and technology for domestic use and potential export. These activities are expected to deliver jobs and economic growth in the clean energy sector, while increasing national energy security.

Topic Area 1 seeks to conduct early-stage pilot-scale testing and demonstration of innovative processes or products that can substantively increase domestic manufacturing in all segments of the crystalline silicon solar module supply chain. Each segment also includes the manufacturing equipment used in that segment, input materials for that segment, process control and characterization tools, and consumables used in that segment, which today are predominantly made outside the United States.

Topic Area 2 aims to support the cadmium telluride (CdTe) PV industry, an increasingly valuable part of the U.S. economy and leading domestic renewable energy technology. All segments of the CdTe PV module supply chain are of interest, including improvements in materials, processes, manufacturing, components, metrology, demonstration, recycling, and reclamation.

Topic Area 3 is focused on R&D and demonstration activities with the goal of de-risking new non-module PV components and manufacturing processes, while developing and validating a realistic pathway to commercial success. This includes structural and electrical components and tools that can be made domestically and improve performance, functionality, reliability, or ease of installation for PV systems.

DOCUMENTS

- [DE-FOA-0003460 Solar Module and Solar Hardware \(SMASH\) Incubator](#) (Last Updated: 1/7/2025 02:46 PM ET)
- [Question and Answer Spreadsheet](#) (Last Updated: 12/27/2024 01:32 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

January 23, 2025

4:00 PM - 5:00 PM Eastern Standard Time

[Register](#)

CONTACT INFORMATION

- solar.incubator@ee.doe.gov
For questions related to the content of the FOA.
- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 3/21/2025 5:00 PM ET
- Full Application Submission Deadline: 5/30/2025 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-LC-0000122: IEDO FY25-FY27 LAB CALL

This Lab Call covers opportunities to advance and optimize industrial processes across IEDO's mission space. The topics covered in this Lab Call address priorities in one or more of the following IEDO Program Areas:

If your organization is an eligible entity, please log-in to Exchange to Apply

- Energy- and Emissions-Intensive Industries (EEII):** Technology solutions tailored to the highest energy-and-emitting subsectors where novel technologies could have the greatest impact, including iron and steel, cement and concrete, chemical and petrochemicals, forest products, and food and beverage.
- Cross-Sector Technologies (CST):** Technology solutions that address challenges common across all industrial subsectors, such as energy use associated with industrial heat.
- Technical Assistance & Workforce Development (TAWD):** Tailored resources to foster the industrial workforce of the future and help manufacturers move cost-effective, market-ready technologies and energy savings practices to today's factory floors.

This funding will be for a three-year term with the intention to renew funding in support of these activities in future multi-year terms in the form of core capabilities and centers or as competitive calls. The goal of this long-term program is to establish high-impact capabilities supporting the advancement of technology solutions for industry.

This Lab Call is part of DOE's larger industrial strategy to invest in technologies across the innovation pipeline, from fundamental science and research to deployment and commercialization.

The activities of interest in this Lab Call are diverse and include establishing and expanding capabilities, centers, and other activities to advance IEDO's goals at the national labs.

These activities can support accelerating transformational research and development (R&D) as well as new and increased demands for demonstration and deployment (D&D). Expanding the role of national laboratories in D&D is an important opportunity to leverage capabilities to accelerate the U.S. industrial sector.

DOCUMENTS

- [IEDO FY25-FY27 Lab Call](#) (Last Updated: 1/7/2025 04:12 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

SUBMISSION DEADLINES

- Pre-Application Submission Deadline: 2/5/2025 5:00 PM ET
- Full Application Submission Deadline: 3/27/2025 5:00 PM ET

TPL-000065: TEAMING PARTNER LIST FOR DE-FOA-0003492: SOLAR WITH WILDLIFE AND ECOSYSTEM BENEFITS 2 (SOLWEB2)

DOE is compiling a Teaming Partner List to facilitate the formation of project teams for this NOFO. The Teaming Partner List allows organizations that may wish to participate on a project to express their interest to other applicants and explore potential partnerships.

The Teaming Partner List will be available on EERE eXCHANGE and will be regularly updated to reflect new teaming partners who provide their organization's information.

SUBMISSION INSTRUCTIONS: View the Teaming Partner List by visiting the EERE eXCHANGE homepage and clicking on "Teaming Partners" within the left-hand navigation pane. This page allows users to view published Teaming Partner Lists. To join the Teaming Partner List, submit a request within eXCHANGE. Select the appropriate Teaming Partner List from the drop-down menu and fill in the following information: Investigator Name, Organization Name, Organization Type, Topic Area, Background and Capabilities, Website, Contact Address, Contact Email, and Contact Phone.

DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are identifying themselves for placement on this Teaming Partner List. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

CONTACT INFORMATION

- EERE-eXCHANGESupport@hq.doe.gov
- solarwildlife@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003492: SOLAR WITH WILDLIFE AND ECOSYSTEM BENEFITS 2 (SOLWEB2)

This notice of funding opportunity (NOFO) is being issued by the U.S. Department of Energy's (DOE's) Office of Energy Efficiency and Renewable Energy (EERE) Solar Energy Technologies Office (SETO) to invest in R&D, technical assistance, and stakeholder engagement activities that improve the compatibility of large-scale solar (LSS) facilities with wildlife and ecosystems and facilitate the dual use of land for agricultural and solar energy production (agrivoltaics).

[Apply](#)

Click for Control Number

Projects selected in this NOFO will a) test strategies that mitigate adverse impacts and/or maximize benefits to wildlife and ecosystems at LSS facilities, b) provide technical assistance and engagement opportunities that enable stakeholders to improve the compatibility of LSS facilities with wildlife, or c) provide technical assistance and stakeholder engagement opportunities related to agrivoltaics.

Topic Area 1 is focused on improving the ability of stakeholders to implement strategies that improve the compatibility of LSS facilities with wildlife and ecosystems. Projects will test new or existing strategies for mitigating adverse impacts on and/or maximizing benefits to wildlife and ecosystems from LSS development (e.g., wildlife-permeable fencing, native vegetation management, wildlife movement corridors). Projects will also provide technical assistance and stakeholder engagement opportunities on wildlife-solar interactions to improve coordination and collaboration among stakeholders and make research findings and best practices more accessible.

Topic Area 2 is focused on disseminating agrivoltaic research, sharing best practices, and enabling cross-sector collaboration. Projects will provide technical assistance and engagement opportunities to entities involved in LSS development, including but not limited to solar industry members, agricultural practitioners, rural cooperatives, Tribal governments and communities, and local governments.

Applicants must include the team members needed to achieve the stated objectives, disseminate the project outputs, and convene the appropriate stakeholders, including those who can implement proposed solutions. Team member or partner willingness to participate in the project can be demonstrated by providing letters of commitment in project applications. Organizations that are eligible to apply or participate as project collaborators include but are not limited to private or for-profit entities, colleges and universities, state agencies, non-profits, community-based organizations, and federally funded R&D centers (FFRDCs). Relevant stakeholder groups include solar developers, owners, and operators, environmental consultants, academic researchers with wildlife or agrivoltaics expertise, Tribal governments and communities, and state agencies and nonprofits working on wildlife, hunting, conservation, environmental, and agricultural issues.

MOD 000002: Update Information Webinar Date

DOCUMENTS

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

Information Webinar;

01/10/2025 1:00 p.m. ET

Webinar Registration Link: [Register Here](#)

Webinar Number:

2824 773 0087

Webinar Password:

45a8kJz36eA (45285593 when dialing from a phone or a video system)

CONTACT INFORMATION

- solarwildlife@ee.doe.gov
- EERE-eXCHANGESupport@hq.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 2/14/2025 5:00 PM ET
- Full Application Submission Deadline: 5/2/2025 5:00 PM ET
- View Full Application Reviewer Comments Period: 5/29/2025 10:00 AM ET – 6/3/2025 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003525: 2025 RENEW AMERICA'S SCHOOLS PRIZE TO COOPERATIVE AGREEMENT

To apply, please register with the online application portal, HeroX, at <https://www.herox.com/2025renewschoolsprize>. Rules and required documents for application packages are available on the HeroX website.

Apply

[Click for Control Number](#)

2025 Renew America's Schools PRIZE to Cooperative Agreement Overview:

The 2025 Renew America's School Prize will provide up to \$4.2M in cash prize awards of \$300,000 each, followed by cooperative agreement awards between \$7.5M and \$15M.

The U.S. Department of Energy (DOE's) Renew America's Schools program provides investments to transform decaying public school infrastructure into healthier, more energy efficient learning environments. The program supports the implementation of infrastructure improvements in schools, with a focus on local educational agencies (LEAs) that qualify as rural and/or high poverty. Through Renew America's Schools, DOE will help create healthier learning environments, lower utility costs, and redirect funds to support students and teachers.

The 2025 Renew America's Schools Prize consists of the **Prize competition** (Phase 1) and a subsequent **Cooperative Agreement** (Phase 2 and Phase 3). Competitors submitting proposals should be organizations with the capacity to aggregate and manage portfolios of school facilities to receive energy assessments and improvements. Competitors should consider leveraging the Teaming Partner List, found on the HeroX prize page, to add additional capacity and expertise.

This Official Rules document outlines the components of the Renew America's Schools Prize (Phase 1) and subsequent Cooperative Agreement process and funding (Phase 2 and Phase 3).

Submission Deadlines

Application Submission Deadline: Thursday, April 3rd, 2025 by 5pm ET.

Applications must be submitted on HeroX, not through Exchange.

PRIZE (PHASE 1)

PHASE 1 (PRIZE): Portfolio + Team = Up to 14 Winners at \$300,000 cash prize each

In Phase 1 ("Portfolio + Team"), competitors will identify a minimum of 10 schools/school facilities to be included in their application. The portfolio may span multiple LEAs. The portfolio should exhibit a high need for energy assessments and, ultimately, energy improvements. The goal of Phase 1 is for competitors to successfully assemble their project team, assemble their portfolio of school facilities, demonstrate the need for energy improvements at schools and school facilities in the defined portfolio, and outline their process to complete the tasks in Phase 2. Based on successful completion of Phase 1, winners will be invited to enter into negotiations with DOE for a Cooperative Agreement. Negotiations for Cooperative Agreement will require additional steps as outlined below.

COOPERATIVE AGREEMENT (PHASE 2 and PHASE 3)

PHASE 2 (COOPERATIVE AGREEMENT): Strategic Plan + Energy Audits = \$500,000 to \$1,000,000 per recipient

ONLY winners from the Phase 1 Prize **will be eligible to negotiate with DOE to receive a Cooperative Agreement for Phase 2 and Phase 3 funding**. The Selection Official reserves the right to down select the number of Phase 1 winners that will enter into negotiations with DOE for a Cooperative Agreement for Phase 2 and Phase 3 funding.

Phase 2 ("Strategic Plan + Energy Audits") will be synonymous with Budget Period 1 of the Cooperative Agreement. Funding in Phase 2 will reimburse Recipients for costs associated with energy audits and strategic planning and design. DOE will^[1] allocate a set amount of funding per Recipient, determined by the number of schools or school facilities submitted in their Phase 1 application [see Table 1 below]. In Phase 2, Recipients conduct The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Level 2 energy audits of all the schools/school facilities in the portfolio and develop a comprehensive Strategic Plan for implementing energy improvements. Energy audits and the Strategic Plan should provide schools with clear pathways to prioritize energy improvements, access private sector funding and/or tax credits, and realize high-impact health and safety benefits.

PHASE 3 (COOPERATIVE AGREEMENT): Implementation = \$7,000,000 to \$14,000,000 per recipient

Phase 3 ("Implementation") will be synonymous with Budget Period 2 of the Cooperative Agreement. In Phase 3, DOE will allocate a set amount of funding per Recipient, determined by the number of schools/school facilities submitted in their Phase 1 application [see Table 1]. In Phase 3, Recipients oversee implementation of the energy improvements identified at the end of Phase 2. DOE will work with Recipients to ensure high-priority energy improvements are implemented within the allotted budget for Phase 3. Phase 3 should directly advance the measurable goals of energy savings and high impact health and safety benefits outlined in Phase 1.

Webinar Details

DOE will Host the following Informational Webinars:

- **Informational Webinar:** Tuesday, January 7th, 2025 @ 3pm ET (see HeroX for Zoom Link)
- **Office Hours #1:** Wednesday, February 12th, 2025 @ 3pm ET (see HeroX for Zoom Link)
- **Office Hours #2:** Tuesday, March 4th, 2025 @ 3pm ET (see HeroX for Zoom Link)

Please visit HeroX to register for upcoming events and view recordings of previous webinars.

Teaming Partner List

DOE is continuing to gather information for the "Teaming Partner List" to facilitate the formation of project teams for this Prize. The Teaming Partner List allows organizations who may wish to participate on an application to express their interest to other competitors, explore potential partnerships, and form project teams.

Updates to the Teaming Partner List will be available on the HeroX prize page. The Teaming Partner List will be regularly updated to reflect new teaming partners who provide their organization's information.

SUBMISSION INSTRUCTIONS: Any organization that would like to be included on the Teaming Partner List should fill out this Microsoft form or email the information to Schools@doe.gov with the subject line "Teaming Partner Information."

DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating qualifications of individuals and organizations self-identifying themselves for placement on the Teaming Partner List. DOE will not pay for the provision of any information, nor will it compensate any competitors or requesting organizations for the development of such information.

Contact Information & Questions

Submit questions to Schools@DOE.gov. Please refer to the HeroX website to find the answer to your emailed question.

Documents

- Please refer to the HeroX website to find associated documents for this Prize to Cooperative Agreement.

DOCUMENTS

- [DE-FOA-0003525_BIL_2025_Renew_Americas_Schools_Rules_Document](#) (Last Updated: 12/16/2024 01:41 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

SUBMISSION DEADLINES

- Full Application Submission Deadline: 4/3/2025 5:00 PM ET

DE-FOA-0003535: DE-FOA-0003535 REQUEST FOR INFORMATION (RFI): DEFINING SUSTAINABLE MARITIME FUELS IN THE UNITED STATES

An Action Plan for Maritime Energy and Emissions Innovation (Action Plan) calls for the Federal government to define Sustainable Maritime Fuel (SMF) in 2025. As described in the Action Plan, the maritime industry cannot rely solely on drop-in fuel replacements, so vessels must look towards alternative energy sources such as clean methanol, ammonia, hydrogen, electrification, and efficiency improvements as the industry moves towards zero- and near zero-emission fuels. This action is key to evaluating many subsequent goals in the plan pertaining to future production volumes of SMFs. It will also help to align community, industry, government, financiers, and other maritime stakeholders regarding what qualifies as a SMF. This alignment will help to advance technology and investment with a consistent understanding of future maritime fuels.

This Request for Information (RFI) seeks to engage industry, government, and maritime stakeholders for feedback on how to define "Sustainable Maritime Fuel."

While this RFI is being published by the U.S. Department of Energy (DOE), DOE is also working with other agencies to support the development of an SMF definition; these agencies include but are not limited to the U.S. Department of Transportation, the U.S. Department of Agriculture, the Department of State, and the Environmental Protection Agency. This collaborative effort seeks feedback on a variety of aspects that may affect the eventual SMF definition, including but not necessarily limited to: minimum carbon intensity reductions, sustainability factors, criteria air pollutant inclusion (e.g. NOx, SOx, and particulate matter), acceptable feedstocks, how to align with global requirements (e.g. International Maritime Organization (IMO) and FuelEU), and whether accounting for emission reduction technologies (such as onboard carbon capture) should be included.

Responses to this RFI must be submitted electronically to DefiningSMF@ee.doe.gov no later than 5:00pm (ET) on February 28, 2025. Responses must be provided as attachments to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Responses must be provided as a Microsoft Word (.docx) attachment to the email, and no more than 3 pages in length, 12 point font, 1 inch margins. Only electronic responses will be accepted.

This is solely a request for information and not a Notice of Funding Opportunity (NOFO). EERE is not accepting applications.

Please see the full RFI document in the **Documents** section below.

DOCUMENTS

- [DE-FOA-0003535 Request for Information \(RFI\) Defining Sustainable Maritime Fuels in the United States](#) (Last Updated: 12/13/2024 01:03 PM ET)

CONTACT INFORMATION

- DefiningSMF@ee.doe.gov
- EERE-ExchangeSupport@hq.doe.gov

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: 2/28/2025 5:00 PM ET

TPL-0000064: TPL-0000064: TEAMING PARTNER LIST FOR DE-FOA-0003517 NOI TO PUBLISH DE-FOA-0003518 AND DE-FOA-0003520

TPL-0000064: Teaming Partner List for DE-FOA-0003517 Notice of Intent to Publish DE-FOA-0003518 and DE-FOA-0003520

1. DE-FOA-0003518, entitled "Sustainable Propane and Renewable Chemicals (SPARC)"; and
2. DE-FOA-0003520, entitled "Maximizing Algal System Yield (MASY)."

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

DE-FOA-0003517: DE-FOA-0003517 NOTICE OF INTENT TO PUBLISH NOTICE OF FUNDING OPPORTUNITY NO. DE-FOA-0003518 AND NOTICE OF FUNDING OPPORTUNITY NO. DE-FOA-0003520

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Bioenergy Technologies Office (BETO), two Notice of Funding Opportunities (NOFOs):

1. DE-FOA-0003518, entitled "Sustainable Propane and Renewable Chemicals (SPARC)"; and
2. DE-FOA-0003520, entitled "Maximizing Algal System Yield (MASY)."

These NOFOs support BETO's research and development (R&D) priorities in the areas of (a) Conversion and (b) Renewable Carbon Resources (RCR).

It is anticipated that the NOFOs may include the following Areas of Interest:

DE-FOA-0003518 SPARC NOFO: Sustainable Propane and Renewable Chemicals

SPARC NOFO Topic Area 1: Bio-based Chemicals

Producing chemicals from renewable feedstocks helps to secure domestic supply chains, support rural economies, and improve sustainability in the industry. However, adoption of new chemical production pathways is challenging due to complex supply chains with many different stakeholders and the need for extensive product quality testing for new processes.

SPARC NOFO Topic Area 2: Bio-based Propane/LPG

SPARC Topic Area 2 seeks to develop new production pathways to produce sustainable liquefied propane and/or petroleum gases from a variety of biomass and waste resources including municipal waste, agricultural residues, forest resources and fats, oils, and grease. Topic Area 2 will support multiple conversion routes to produce propane and LPG.

DE-FOA-0003520 MASY NOFO: Maximizing Algal System Yield

The MASY NOFO seeks applications to address 'pinch points' in algal system operations that currently limit expansion of algae as a domestic bioenergy feedstock. Developing algal systems that use photosynthetic growth of algae (micro-, macro-, and cyanobacteria) is an important component of BETO's strategy.

EERE plans to issue the NOFOs in or around January 2025 via the EERE eXCHANGE website <https://eere-eXCHANGE.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding these NOFOs, they should register in EERE eXCHANGE. When the NOFOs are released, applications will be accepted only through EERE eXCHANGE.

DOCUMENTS

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003373: BIPARTISAN INFRASTRUCTURE LAW (BIL), PROVISION 41007(B)(2), WIND TURBINE TECHNOLOGY RECYCLING

The activities to be funded under this NOFO support BIL sections 41007(b)(2) and the broader government-wide approach to strengthen critical domestic manufacturing and supply chains and to maximize the benefits of the clean energy transition as the nation works to curb the climate crisis, empower workers, and advance environmental justice. This BIL section, through reference to section 3003(b)(4) of the Energy Act of 2020, addresses:

Apply

Click for Control Number

- Research and development projects to create innovative and practical approaches to increase the reuse and recycling of wind energy technologies, including—
- by increasing the efficiency and cost effectiveness of the recovery of raw materials from wind energy technology components and systems
- by minimizing potential environmental impacts from the recovery and disposal processes;
- by advancing technologies and processes for the disassembly and recycling of wind energy devices;
- by developing alternative materials, designs, manufacturing processes, and other aspects of wind energy technologies and the disassembly and resource recovery process that enable efficient, cost effective, and environmentally responsible disassembly of, and resource recovery from, wind energy technologies; and
- strategies to increase consumer acceptance of, and participation in, the recycling of wind energy technologies

Please see the full FOA in the DOCUMENTS section below.

Questions regarding the FOA must be submitted to WETOFOA@ee.doe.gov.

Please note: In the event that an application experiences technical difficulties with a submission, the applicant should contact the eXCHANGE helpdesk at EERE-ExchangeSupport@hq.doe.gov.

DOCUMENTS

- [DE-FOA-000373 WETO FY24 BIL Wind Turbine Technology Recycling NOFO](#) (Last Updated: 12/10/2024 02:56 PM ET)
- [Notice of Funding Opportunity \(NOFO\) Part 2](#) (Last Updated: 12/10/2024 03:00 PM ET)
- [FOA Q&A for DE-FOA-0003373](#) (Last Updated: 1/2/2025 12:12 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

There will not be a webinar held for NOFO DE-FOA-0003373.

CONTACT INFORMATION

- eere-exchangesupport@hq.doe.gov
- WETOFOA@ee.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: 2/11/2025 5:00 PM ET

DE-FOA-0003439: ADVANCED HYDROGEN AND FUEL CELL TECHNOLOGIES TO DRIVE NATIONAL GOALS

OVERVIEW

The Office of Energy Efficiency and Renewable Energy (EERE) is issuing Notice of Funding Opportunity (NOFO) DE-FOA-0003439 on behalf of the Hydrogen and Fuel Cell Technologies Office (HFTO), which coordinates hydrogen activities with offices across the Department of Energy (DOE) as described in the *DOE Hydrogen Program Plan*. These activities align with EERE's mission, the *U.S. National Clean Hydrogen Strategy and Roadmap*, the *U.S. National Blueprint for Transportation Decarbonization*, and other DOE initiatives as described below.

The research, development, and demonstration activities to be funded under this NOFO support:

- The *U.S. National Clean Hydrogen Strategy and Roadmap's* "whole-of-government" approach to addressing the challenges facing clean hydrogen and drive innovation leading to the deployment of clean energy technologies that are critical for emissions reduction.
- Enabling increased adoption of clean hydrogen across critical sectors, including heavy-duty vehicles, supporting the *U.S. National Blueprint for Transportation Decarbonization*.
- The goals of the *Hydrogen Energy Earthshot*TM targeting affordable, clean hydrogen production at \$1/kg by 2031.
- The *H2@Scale Initiative* aiming to advance affordable hydrogen production, transport, storage, and utilization to enable decarbonization and revenue opportunities across multiple sectors.

NOFO TOPICS:

- Topic 1: Photoelectrochemical Water Splitting Device Scale Up
- Topic 2: High-Performance Materials for Hydrogen Service, Including Cryogenic and/or High-Pressure Conditions
- Topic 3: Sustainable High-Temperature Proton Exchange Membranes and Ionomers for Heavy-Duty Transportation Applications
- Topic 4: Domestic Hydrogen Fuel Cell Electric Motorcoach Bus Development and Demonstration

Applicants must submit a Concept Paper by 5:00pm ET on the due date listed in the NOFO to be eligible to submit an Application.

Concept Papers and Applications will only be accepted through EERE eXCHANGE.

DOCUMENTS

The NOFO is separated into two parts to help applicants focus on the application requirements and review criteria in Part 1, with the full inventory of application, post-selection, and post-award requirements available in Part 2. The two-part NOFO is anticipated to simplify the application process and improve access to EERE funding opportunities from a more diverse applicant pool. Applicants should review both the NOFO Part 1 and NOFO Part 2 prior to applying.

DE-FOA-0003439_NOFO_Part_One includes specific programmatic goals, topic descriptions, eligibility requirements, evaluation criteria, and other components specific to this NOFO.

DE-FOA-0003439_NOFO_Part_Two includes standard information for the application phase and describes expectations for award negotiations and post-award requirements for selected applications.

DE-FOA-0003439_Hydrogen_Q&A contains questions submitted to H2FCFOA@ee.doe.gov and their answers from HFTO. This list will be updated as answers are provided.

TEAMING PARTNER LIST

The **Teaming Partner List** is transferred from Notice of Intent DE-FOA-0003438. The list will remain open and will be updated at least weekly until the close of the Application period, to reflect new Teaming Partners who have provided their contact information.

SUPPORT

Questions regarding this NOFO must be submitted to H2FCFOA@ee.doe.gov.

Applicants that experience technical issues with submissions **PRIOR** to the submissions deadline should contact the EERE eXCHANGE Help Desk for assistance (EERE-ExchangeSupport@hq.doe.gov).

The EERE eXCHANGE system is designed to enforce hard deadlines for Concept Paper and Application submissions. The "APPLY" and "SUBMIT" buttons automatically disable at the defined submission deadlines. The intent of this design is to consistently enforce a standard deadline for all Applicants.

DOCUMENTS

- [DE-FOA-0003439_NOFO_Part_One](#) (Last Updated: 10/23/2024 10:26 AM ET)
- [DE-FOA-0003439_NOFO_Part_Two](#) (Last Updated: 10/23/2024 10:27 AM ET)
- [DE-FOA-0003439_Hydrogen_Q&A](#) (Last Updated: 1/8/2025 02:00 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
- H2FCFOA@ee.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 11/20/2024 5:00 PM ET
- Full Application Submission Deadline: 1/31/2025 5:00 PM ET
- View Full Application Reviewer Comments Period: 3/11/2025 5:00 PM ET – 3/14/2025 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-LC-000L124: FY25 TECHNOLOGY COMMERCIALIZATION FUND BASE ANNUAL APPROPRIATIONS CORE LABORATORY INFRASTRUCTURE FOR MARKET READINESS LAB CALL

This lab call represents the combined effort of fourteen different U.S. Department of Energy (DOE) program offices and the Office of Technology Transitions (OTT). This solicitation offers an opportunity for external parties to partner with DOE's National Labs to advance energy-related National Lab-developed technology toward commercialization and to reduce the barriers to commercializing lab-developed energy-related technologies and IP. The intent is to increase the volume and speed to which energy-related lab-developed technologies are integrated into the market from an improved lab commercialization ecosystem.

For Fiscal Year 2025 (FY25), DOE continues to implement the previous year's (FY24) approach for TCF Base Annual Appropriations addressing persistent barriers, bridging known gaps that deter the commercialization of laboratory technologies, and identifying where improvements are still needed. The intent of the Commercialization Enabling Topics (Topics 1, 2, 3, 5, and 6 of this lab call) is to fill in missing infrastructure pieces and strengthen existing components by addressing core commercialization challenges, barriers, and gaps, as well as their root causes (inside and outside of the labs). Additionally, the lab call will seek proposals from DOE's National Labs to advance the commercialization of individual energy-related technologies (Topic 4), including supplemental project proposals for the Lab Embedded Entrepreneurship Program (LEEP).

Navigate to [TPL-0000059](#) to access the Teaming Partner List for this solicitation.

DOCUMENTS

- [FY25_TCF_Base_CLIMR_Lab_Call_11.20](#) (Last Updated: 11/20/2024 09:41 AM ET)
- [DE-LC-000L124_FY25_TCF_Base_CLIMR_Lab_Call_Webinar_Slides](#) (Last Updated: 10/30/2024 04:35 PM ET)
- [Concept_Paper_Template](#) (Last Updated: 10/17/2024 02:20 PM ET)
- [Technical_Volume_Template](#) (Last Updated: 10/17/2024 02:19 PM ET)
- [FY25_Budget_Template](#) (Last Updated: 10/17/2024 02:19 PM ET)
- [FY25_CLIMR_Q&A_12.17](#) (Last Updated: 12/17/2024 12:50 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

An informational webinar occurred on October 30, 2024, from 3–4 pm ET. This informational webinar went over important details of the lab call and provided an opportunity for attendees to ask questions. The webinar slides are in the documents section. A recording of the webinar is available to those who registered to attend the webinar (must be logged into Teams) here:

<https://events.gcc.teams.microsoft.com/event/f4105109-8a6c-4c9b-b859-ffd4049387c1@6b183ecc-4b55-4ed5-b3f8-7f64be1c4138>

CONTACT INFORMATION

- TCF@hq.doe.gov
For questions regarding this lab call please contact this email.
- EERE-ExchangeSupport@HQ.DOE.GOV
For Exchange support please contact this email.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 12/12/2024 3:00 PM ET
- Full Application Submission Deadline: 3/11/2025 3:00 PM ET
- View Full Application Reviewer Comments Period: 4/11/2025 3:00 PM ET – 4/16/2025 3:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003455: CIRCULARITY FOR SECURE AND SUSTAINABLE PRODUCTS AND MATERIALS: A DRAFT STRATEGIC FRAMEWORK RFI

The U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy's (EERE) has released Circularity for Secure and Sustainable Products and Materials: A Draft Strategic Framework. The focus of this document is addressing and overcoming the unique challenges related to recirculation of products and materials at the end-of-use (EOU) or end-of-life (EOL) back into the economy. This document aims to describe EERE's economic and environmental impact goals related to increasing product and material circularity and to communicate EERE's work in advancing the approaches, strategies, and technologies that contribute to achieving those goals. It identifies opportunities, challenges, and enablers for advancing circularity as well as providing an overview of current efforts across EERE. Finally, this document provides a framework for prioritization of EERE funded research and development as well as a vision for future EERE activities related to product and material circularity.

The purpose of this RFI is to solicit feedback from industry, academia, research laboratories, government agencies, and other stakeholders on issues related to Circularity for Secure and Sustainable Products and Materials: A Draft Strategic Framework. This feedback will help to ensure EERE's investments in this space are optimally positioned to address opportunities and challenges related to increasing circularity.

EERE is specifically interested in information on:

- Framework for prioritization of research and development as well as ways to maximize impact of the strategy
- Information related to significant opportunities, challenges, and enablers to increase product and material circularity
- Technology advancement needed to achieve EERE objectives
- Prioritization of future EERE investments

This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

DOCUMENTS

- [DE-FOA-0003455_RFI_Circularity_for_Secure_and_Sustainable_Products_and_Materials](#) (Last Updated: 10/8/2024 12:42 PM ET)
- [Circularity_for_Secure_and_Sustainable_Products_and_Materials_A_Draft_Strategic_Framework](#) (Last Updated: 10/8/2024 12:43 PM ET)

CONTACT INFORMATION

- CircularEconomyRFI@ee.doe.gov
For responses to the RFI
- eere-exchangesupport@hq.doe.gov
For questions related to the EERE Exchange Website

SUBMISSION DEADLINES

- Full Application Submission Deadline: 12/16/2024 5:00 PM ET

PL-000063: TEAMING PARTNER LIST FOR DE-FOA-0003373: BIPARTISAN INFRASTRUCTURE LAW (BIL), PROVISION 41007(B)(2), WIND TURBINE TECHNOLOGY RECYCLING

This teaming partner list is for **DE-FOA-0003373**, Bipartisan Infrastructure Law (BIL), Provision 41007(b)(2), Wind Turbine Technology Recycling

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003443: NOTICE OF INTENT TO ISSUE NOTICE OF FUNDING OPPORTUNITY DE-FOA-0003373: BIPARTISAN INFRASTRUCTURE LAW (BIL), PROVISION 41007(B)(2), WIND TURBINE TECHNOLOGY RECYCLING

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Wind Energy Technologies Office (WETO), a Notice of Funding Opportunity (NOFO) entitled "Bipartisan Infrastructure Law (BIL), Provision 41007(b)(2), Wind Turbine Technology Recycling".

DOCUMENTS

- [NOI_DE-FOA-0003443_Wind_Recycling](#) (Last Updated: 10/1/2024 02:41 PM ET)

CONTACT INFORMATION

- eere-exchangesupport@hq.doe.gov EERE Helpdesk

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

TPL-000062: TEAMING PARTNER LIST - DE-FOA-0003362: U.S.-DANISH FLOATING OFFSHORE WIND ENERGY MOORING AND ANCHORING

This Teaming Partner List is for FOA: **DE-FOA-0003362**: U.S.-Danish Floating Offshore Wind Energy Mooring and Anchoring.

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003362: U.S.-DANISH FLOATING OFFSHORE WIND ENERGY MOORING AND ANCHORING RESEARCH AND DEVELOPMENT

Mod 0002:

The purpose of this modification is to:

- Added information regarding cost share of Tribes and Tribal Nations pursuant to EERE's uniform cost share reduction.

Mod 0001:

The purposes of this modification are to:

- Updated direct link to Innovation Fund Denmark's funding opportunity.
- Added information regarding 2024 revisions to Title 2 of the Code of Federal Regulations.

This Funding Opportunity Announcement (FOA) is being issued by the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) on behalf of the Wind Energy Technologies Office (WETO). This funding opportunity is coordinated with Innovation Fund Denmark to support U.S.-Danish consortia collaborating on shared research objectives. EERE funds will be used to support the U.S. entity work through this FOA. Innovation Fund Denmark funds will be used to support Danish entity work through Innovation Fund Denmark's corresponding funding opportunity.

The goals of this FOA are to:

- Advance floating offshore wind energy mooring technologies and methods towards cost-effective commercialization and industry growth;
- Encourage bilateral collaboration to increase the impact of research in the United States and Denmark; and
- Support research at U.S. minority-serving colleges and universities^[1] (MSI) and facilitate new relationships between MSIs, other researchers, and industry participants.

[1] Minority Serving Institutions (MSIs), including Historically Black Colleges and Universities/Other Minority Institutions as educational entities recognized by the Office of Civil Rights (OCR), U.S. Department of Education, and identified on the OCR's Department of Education U.S. accredited postsecondary minorities' institution list. See <https://www2.ed.gov/about/offices/list/ocr/edlite-minorityinst.html>.

Apply

Click for Control Number

Please Note: In the event that an applicant experiences technical difficulties with a submission, the applicant should contact the eXCHANGE helpdesk for assistance at ee-re-exchangesupport@hq.doe.gov

DOCUMENTS

- [DE-FOA-0003362 US-DK Mooring and Anchoring R&D Mod 0001](#) (Last Updated: 11/6/2024 02:46 PM ET)
- [DE-FOA-0003362 US-DK Mooring and Anchoring R&D Mod 0002](#) (Last Updated: 12/20/2024 03:13 PM ET)
- [FOA Q&A for DE-FOA-0003362](#) (Last Updated: 1/7/2025 08:53 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

An **optional** informational webinar for WETO's U.S.-Danish Floating Offshore Wind Energy Mooring and Anchoring Research and Development FOA will be held on Thursday, October 17th, 2024 at 12:00 p.m. ET. The registration link with additional information on the webinar is included below. A recording of the webinar, along with the slides, will be posted here after the event. Attendance at the webinar does not affect the success of the applications

Webinar Link: <https://ee-doe.zoomgov.com/j/1609392829>

- [Applicant Webinar Presentation](#) (Last Updated: 10/24/2024 02:54 PM ET)
- [Webinar Transcript](#) (Last Updated: 10/24/2024 03:01 PM ET)

CONTACT INFORMATION

- ee-re-exchangesupport@hq.doe.gov EERE Helpdesk
- WETOFOA@ee.doe.gov FOA Mailbox

SUBMISSION DEADLINES

- Full Application Submission Deadline: 1/14/2025 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003433: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT DE-FOA-3434: BIPARTISAN INFRASTRUCTURE LAW (BIL) ELECTRIC DRIVE VEHICLE BATTERY IMPROVING ECONOMICS, RECOVERY AND REUSE, AND STATE OF HEALTH.

The anticipated FOA and any related activities support BIL Section 40208, Electric Drive Vehicle Battery Recycling and Second-Life Applications Program aimed at "research, development, and demonstration of:

- **second-life applications** for electric drive vehicle batteries that have been used to power electric drive vehicles; and
- **technologies and processes** for final recycling and disposal of the [electric drive vehicle batteries].

DOCUMENTS

- [NOI_BIL_DE-FOA-0003433](#) (Last Updated: 9/13/2024 11:21 AM ET)

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: TBD
- Full Application Submission Deadline: TBD

DE-FOA-0003465: TECHNOLOGY AND MARKET POTENTIAL OF PHOTOVOLTAIC-THERMAL (PVT) SYSTEMS IN THE UNITED STATES

Through this RFI, the U.S. Department of Energy (DOE) Solar Energy Technologies Office (SETO) seeks to gain a better understanding of photovoltaic-thermal (PVT) technologies. SETO is looking to solicit information on PVT technology, including but not limited to business, state-of-the-art, regulatory statutes, and consumer opinion. SETO aims to summarize the information gathered from this RFI and will use the stakeholder feedback obtained to inform future program development.

Application Submission Deadline 12/31/2024

This is a Request for Information (RFI) only. EERE will not pay for information provided under this RFI and no project will be supported as a result of this RFI. This RFI is not accepting applications for financial assistance or financial incentives. EERE may or may not issue funding based on consideration of the input received from this RFI.

DOCUMENTS

CONTACT INFORMATION

- ExchangeSupport@hq.doe.gov
- PVT-RFI@ee.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: 12/31/2024 5:00 PM ET

TPL-0000061: TEAMING PARTNER LIST FOR SUPERTRUCK CHARGE FOA

Teaming Partner List for SuperTruck Charge FOA

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003344: SUPERTRUCK CHARGE

This program is meant to seek innovative and replicable solutions to support electrified medium- and heavy-duty vehicles (MHDVs), accelerate charging infrastructure deployment, reduce grid impacts through vehicle-grid integration (VGI) strategies, and drastically reduce greenhouse gas (GHG) emissions in support of the Administration goals.

This FOA supports the administration goals laid out above by identifying potential solutions to address the current gaps in electrified MHDV charging infrastructure necessary to enable greater utilization of electrified fleets, and drastically reducing GHG emissions due to MHD trucks. The outcomes of this program will lead to accelerated deployment of large-scale EV charging infrastructure with clean energy resource technologies, as well as provide greater grid resiliency and reliability.

DOCUMENTS

- [DE-FOA-0003344 SuperTruck Charge](#) (Last Updated: 9/16/2024 08:13 AM ET)
- [FOA Question and Answers posted 11/13/2024 \(Version 6\)](#) (Last Updated: 11/13/2024 08:44 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- DE-FOA-0003344@netl.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 10/8/2024 5:00 PM ET
- Full Application Submission Deadline: 11/20/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

TPL-0000060: TPL-0000060 - TEAMING PARTNER LIST FOR DE-FOA-0003371 FY24 SCALE-UP OF INTEGRATED BIOREFINERIES

The teaming list is for FOA DE-FOA-0003371.

DOE is compiling a Teaming Partner List to facilitate the formation of new project teams for the FOA. All entities interested in participating as part of an applicant team can provide their contact information for the Teaming Partner List. The list allows organizations to express their interest and to explore potential partners.

- Updates to the Teaming Partner List will be available on the EERE eXCHANGE website. The Teaming Partner List will be regularly updated to reflect new teaming partners who have provided their organization's teaming partner information.
- SUBMISSION INSTRUCTIONS: Any organization that would like to be included on this list should submit their information to Teaming Partner List via EERE eXCHANGE.
- DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are self-identifying themselves for placement on this Teaming Partner List #TPL-0000060. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

DOCUMENTS

- [DE-FOA-0003371 FY24 Scale-Up of Integrated Biorefineries Teaming Partner List](#) (Last Updated: 9/11/2024 11:06 AM ET)

CONTACT INFORMATION

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

DE-FOA-0003371: FY24 SCALE-UP OF INTEGRATED BIOREFINERIES

Amendment 000001: Extend the Full Application submission deadline from January 16th, 2025 at 5:00PM ET to January 31st, 2025 at 5:00PM ET to allow sufficient time for development during end of calendar year activities. Adjusted all proceeding dates, such as Reply to Reviewer Comments, by an equal amount of time. Adjusted award notification dates for Research, Technology, and Economic Security review.* Updated Table 3 to align the Allowable Fuel Types with Table 1.

Funding Opportunity Announcement (FOA) DE-FOA-0003371 FY24 Scale-up of Integrated Biorefineries supports higher risk bioenergy technologies that are ready to scale, ultimately demonstrating feedstock-conversion variations, or production pathways, to support commercialization and meet the Sustainable Aviation Fuel (SAF) Grand Challenge goal of 35 billion gallons per year of SAF production by 2050 and the Clean Fuels and Products Shot goal of 50% projected demand for maritime, rail, off-road, and renewable carbon-based chemicals by 2050.

The activities to be funded under this FOA will support the advancement of cost-shared research, development, and demonstration projects with partners in industry, academia, and the National Laboratories focused on the design, construction, operation, and validation of new technology and feedstock pathways for engineering scale integrated biorefineries. The intent of this FOA is to reduce technology uncertainty and risk through cost-shared pilot- and demonstration-scale biorefinery projects. The FOA would support BETO's multi-year strategic goals to 1) decarbonize the transportation sector through the production of cost-effective SAF and other strategic fuels, and 2) decarbonize the industrial sector through cost-effective and sustainable chemicals, materials, and processes utilizing biomass and waste resources.

Topic Area 1 will identify, evaluate, and select applications proposing project definition, development, and execution plans for the scaling of pre-pilot (TRL 5) biofuel technologies to pilot scale (TRL 6).

Topic Area 2 will identify, evaluate, and select applications proposing project definition, development, and execution plans for the scaling of pilot (TRL 6) biofuel technologies to demonstration scale (TRL 7-8).

Topic Area 3 supports scale-up activities to produce organic chemicals from renewable biomass and waste feedstocks that can replace those currently derived from petroleum. Topic Area 3 will identify, evaluate, and select applications proposing project definition, development, and execution plans for the scaling of pre-pilot and pilot (TRL 5-6) biochemical technologies to pilot and demonstration scale (TRL 6-8).

Questions regarding the FOA must be submitted to FY24BETOScale-Up@ee.doe.gov

See the full Funding Opportunity Announcement (FOA) in the DOCUMENTS section below.

The required Concept Paper due date for this FOA is 11/07/2024 at 5PM ET. The Full Application due date for this FOA is 01/31/2025 at 5PM ET.

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

DOCUMENTS

- [Amendment 000001 DE-FOA-0003371 - FY24 Scale-Up of Integrated Biorefineries](#) (Last Updated: 12/10/2024 02:25 PM ET)
- [DE-FOA-0003371 Question and Answer Log](#) (Last Updated: 12/19/2024 04:59 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

An **informational webinar** was held on October 2nd, 2024. There were no particular advantages or disadvantages to the application evaluation process with respect to participating in the webinar; participation was completely voluntary.

The slide presentation and a draft transcript are available below.

- [Informational Webinar: Slide Presentation](#) (Last Updated: 10/9/2024 11:08 AM ET)
- [Informational Webinar: Transcript](#) (Last Updated: 10/9/2024 11:09 AM ET)

CONTACT INFORMATION

- FY24BETOSCALE-UP@ee.doe.gov
For all questions related to the FOA
- EERE-ExchangeSupport@hq.doe.gov
For assistance with EERE-Exchange

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 11/7/2024 5:00 PM ET
- Full Application Submission Deadline: 1/31/2025 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

TPL-0000058: TEAMING PARTNER LIST FOR DE-FOA-0003439: ADVANCED HYDROGEN AND FUEL CELL TECHNOLOGIES TO DRIVE NATIONAL GOALS

EERE is compiling a Teaming Partner List to facilitate the widest possible national participation in the formation of applicant teams for this Notice of Funding Opportunity. The list allows organizations who may wish to participate in an application to express their interest to other potential applicants and to explore potential partners, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities/Other Minority Serving Institutions) and partnerships with Businesses majority owned or controlled by underrepresented persons or groups of underrepresented persons¹, and/or Tribal Nations.

SUBMISSION INSTRUCTIONS: Please access *Teaming List - Topic and Background* from the Documents section below.

DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are identifying themselves for placement on this Teaming Partner List. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

¹"Underrepresented" refers to populations sharing a particular characteristic, as well as geographic communities, that are shown to have been systematically denied a full opportunity to participate in aspects of economic, social, and civic life, as exemplified by communities that have been denied fair, just, and impartial treatment, which may include women, persons with disabilities, persons who live in rural areas, persons otherwise adversely affected by persistent poverty or inequality, veterans, members of religious minorities, Black, Latino, Indigenous and Native American persons, Asian Americans and Pacific Islanders, other persons of color, and lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons.

DOCUMENTS

- [Teaming List - Topic and Background](#) (Last Updated: 10/23/2024 10:51 AM ET)

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

TPL-0000059: TEAMING PARTNER LIST FOR THE FY25 TCF BASE CLIMR LAB CALL

This Teaming Partner List is for the FY25 Technology Commercialization Fund Base Annual Appropriations CLIMR Lab Call (DE-LC-000L124).

To facilitate multi-lab or external partnerships, DOE is compiling a Teaming Partner List (TPL) on Exchange. The TPL allows organizations that may wish to participate on an application to express their interest to explore potential partnerships with National Labs.

Updates to the Teaming Partner List will be available on the Exchange website. The Teaming Partner List will be regularly updated to reflect new teaming partners who provide their organization's information.

CONTACT INFORMATION

- TCF@hq.doe.gov
- EERE-ExchangeSupport@hq.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003438: NOTICE OF INTENT (NOI) TO ISSUE NOTICE OF FUNDING OPPORTUNITY (NOFO) ADVANCED HYDROGEN AND FUEL CELL TECHNOLOGIES TO DRIVE NATIONAL DECARBONIZATION DE-FOA-0003439

Modification 0001: The purpose of this modification is to:

- Update title for Topic 3

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Hydrogen and Fuel Cell Technologies Office (HFTO), a Notice of Funding Opportunity (NOFO) entitled “Advanced Hydrogen and Fuel Cell Technologies to Drive National Decarbonization.”

Clean hydrogen and fuel cell technologies are important elements of a comprehensive energy portfolio, particularly for use in hard-to-decarbonize sectors of the economy (such as heavy-duty transportation and industrial applications) and to enable long duration energy storage for a clean electric grid. Advancing clean hydrogen and fuel cell technologies directly supports the Biden-Harris Administration’s goals of achieving carbon pollution-free electricity by 2035 and net-zero emissions economy-wide by no later than 2050, benefiting all Americans.

This NOFO supports the vision outlined in the U.S. National Clean Hydrogen Strategy and Roadmap: affordable clean hydrogen for a net-zero carbon future and a sustainable, resilient, and equitable economy. The NOFO will target research, development, and demonstration (RD&D) topics critical to scaling hydrogen infrastructure and enabling increased adoption of clean hydrogen across sectors, particularly in heavy-duty (HD) vehicles and other heavy-duty transportation applications, which supports the U.S. National Blueprint for Transportation Decarbonization. Increased adoption of hydrogen technologies will help achieve economies of scale and drive down costs, directly supporting the Department of Energy’s (DOE) Regional Clean Hydrogen Hubs (H2Hubs) Program, an \$8 billion federal investment to create networks of hydrogen producers, consumers, and local connective infrastructure to accelerate the use of hydrogen as a clean energy carrier and a carbon-free input to a number of chemical and industrial processes. Improvements in clean hydrogen technologies will also contribute to the long-term viability of the H2Hubs and other commercial-scale deployments. Activities funded under this NOFO will also align with the H2@Scale Initiative, which aims to advance affordable hydrogen production, transport, storage, and utilization to enable decarbonization and revenue opportunities across multiple sectors. The NOFO’s objectives support DOE’s Hydrogen Shot goal, which targets affordable clean hydrogen production at \$1/kg within a decade.

Hydrogen and fuel cells can provide benefits and create opportunities for communities that have been historically underserved—such as improving air quality, providing resiliency, and creating jobs, including good-paying union jobs. Consistent with DOE’s commitment to benefit all Americans, this anticipated NOFO will encourage the participation of underserved communities and underrepresented groups. Applicants will be encouraged to form meaningful and substantial partnerships with Minority Serving Institutions (e.g., Historically Black Colleges and Universities, Tribal Colleges and Universities, and Other Minority Institutions).

To support the goal of building a clean and equitable energy economy, projects funded under this NOFO will be expected to (1) advance diversity, equity, inclusion, and accessibility (DEIA); (2) contribute to the Justice40 Initiative⁷ and other considerations linked with energy and/or environmental justice; and (3) invest in America’s workforce. To ensure these objectives are met, applications must include an RDD&D Community Benefits Plan (CBP) that addresses the three objectives stated above.

Hydrogen and fuel cells can help create opportunities and benefits for communities that have been historically underserved, such as improving air quality, providing resiliency, and creating jobs, including good-paying union jobs. Consistent with DOE’s commitment to benefit all Americans, this anticipated NOFO will encourage the participation of underserved communities and underrepresented groups.

EERE plans to issue the NOFO before or in October 2024 via the EERE eXCHANGE website <https://eere-exchange.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding this NOFO, they should register in EERE eXCHANGE. When the FOA is released, applications will be accepted only through EERE eXCHANGE.

Navigate to [TPL-0000058](#) in EERE Exchange to access the Teaming Partner List for this solicitation.

This notice of intent (NOI) is issued so that interested parties are aware of EERE’s intention to issue this NOFO in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

- [Mod 0001 Notice of Intent \(NOI\) to Issue Notice of Funding Opportunity \(NOFO\) Advanced Hydrogen and Fuel Cell Technologies to Drive National Decarbonization DE-FOA-0003439](#) (Last Updated: 9/10/2024 01:35 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: TBD
- Full Application Submission Deadline: TBD

DE-FOA-0003459: NOTICE OF INTENT TO ISSUE FISCAL YEAR 2025 SOLAR MODULE AND SOLAR HARDWARE (SMASH) INCUBATOR NOTICE OF FUNDING OPPORTUNITY

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Solar Energy Technologies Office (SETO), a Notice of Funding Opportunity (NOFO) entitled “Fiscal Year 2025 Solar Module and Solar Hardware (SMASH) Incubator Notice of Funding Opportunity.”

This NOFO seeks to address the lack of sufficient private investment that is available to successfully commercialize research and development (R&D) and research, development, and demonstration (RD&D) activities and bring innovative solar photovoltaic (PV) technology to market. Prime recipients of awards funded through this NOFO will be for-profit entities, with institutions of higher education, for-profit entities, nonprofit entities, state and local governmental entities, and federally recognized Indian Tribes as eligible subrecipients to provide technical expertise, technology know-how, and technical validation capabilities.

Successful applications to this NOFO will be selected from three topic areas:

1. Crystalline silicon (c-Si) module technology, covering all segments of the c-Si PV module supply chain from input materials and production equipment through module assembly.
2. Cadmium telluride (CdTe) module technology, covering all segments of the CdTe PV module supply chain, including improvements in materials, processes, manufacturing, components, metrology, demonstration, recycling, and reclamation.
3. Non-module hardware technology, including structural and electrical components and tools that improve performance, functionality, reliability, or ease of installation for PV systems.

This is a Notice of Intent (NOI) only. EERE may issue a NOFO as described herein, may issue a NOFO that is significantly different than the NOFO described herein, or EERE may not issue a NOFO at all.

DOCUMENTS

- [NOI to issue SMASH NOFO](#) (Last Updated: 9/9/2024 05:03 PM ET)

CONTACT INFORMATION

- EERE-eXchangeSupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-LC-0000124: NOTICE OF INTENT TO PUBLISH THE FY25 TECHNOLOGY COMMERCIALIZATION FUND BASE ANNUAL APPROPRIATIONS CORE LABORATORY INFRASTRUCTURE FOR MARKET READINESS LAB CALL

The U.S. Department of Energy's (DOE's) Office of Technology Transitions (OTT) intends to issue its base annual appropriated Technology Commercialization Fund (TCF) solicitation, a call for proposals from DOE National Laboratories, DOE Plants and Sites (DOE National Labs and Facilities). The goal of TCF is to improve America's energy competitiveness and security by accelerating commercialization of critical clean energy technologies from National Laboratories, Plants, and Sites to the market.

The estimated FY25 DOE funding available for this Lab Call is \$30.1 to \$36.8 million, based on the FY24 budget. The FY25 CLIMR Lab Call represents the combined effort of fourteen distinct DOE Program Offices and OTT.

DOCUMENTS

- [FY25 TCF Base CLIMR Notice of Intent](#) (Last Updated: 9/10/2024 10:49 AM ET)

CONTACT INFORMATION

- TCF@hq.doe.gov
For questions related to TCF.
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: TBD
- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003463: DISTRIBUTED ENERGY RESOURCE INTERCONNECTION ROADMAP DRAFT

This request for information (RFI) solicits public feedback on the draft Distributed Energy Resource Interconnection Roadmap prepared by the U.S. Department of Energy's Interconnection Innovation e-Exchange (i2X) program. This roadmap covers interconnection solutions for distributed energy resources (DERs) that interconnect with the distribution and sub-transmission systems. Feedback from interconnection stakeholders regarding the Roadmap's content (e.g., challenges, solution sets and key actions) will ensure the final version provides a comprehensive set of strategies to improve the interconnection process. Interconnection stakeholders include, but are not limited to, utilities, grid operators, grid reliability organizations, Tribal governments and utilities, Federal and state regulators, state and local governments, clean energy developers, energy justice groups, nonprofits, and trade associations. Read the draft i2X Distributed Energy Resource Interconnection Roadmap:

<https://www.energy.gov/sites/default/files/2024-09/Draft%20DER%20Interconnection%20Roadmap%20for%20RFI.pdf>

Responses are due by 10/10/2024 by 11:59pm EST

This is a Request for Information (RFI) only. EERE will not pay for information provided under this RFI and no project will be supported as a result of this RFI. This RFI is not accepting applications for financial assistance or financial incentives. EERE may or may not issue a Funding Opportunity Announcement (FOA) based on consideration of the input received from this RFI.

DOCUMENTS

- [DER Roadmap RFI \(3\)](#) (Last Updated: 10/2/2024 08:57 AM ET)

CONTACT INFORMATION

- I2x@ee.doe.gov
- ExchangeSupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: 10/10/2024 11:59 PM ET
- View Full Application Reviewer Comments Period: 10/13/2024 1:00 PM ET – 10/13/2024 5:00 PM ET

DE-LC-000L123: FY25 SPRING ENERGY I-CORPS LAB CALL

The Office of Technology Transitions (OTT) is issuing this lab call to solicit proposals for the Energy I-Corps (EIC) program. The goal of EIC is to train researchers at DOE National Laboratories, and DOE plants, and sites to identify market pathways for their technology. This call solicits proposals from DOE National Laboratory, plant, and site technology transfer offices to participate in EIC, for researchers to develop skills in commercialization, and to investigate the market potential for DOE-funded technologies at a critical juncture on the path toward commercialization.

OTT expects to award up to \$500K across Topics 1 and 3 in this instance of the EIC lab call, depending on FY25 appropriations. However, additional funding may be available based on proposals' alignment with DOE program office goals. Individual DOE program offices and partner agencies, including OTT, will review and assess relevant applications for possible selection and funding.

DOE expects to select EIC projects in the following three topics:

Topic 1: EIC Pipeline Development - This topic seeks proposals for projects and programming that have the potential to directly increase participation in EIC Training Cohorts (Topic 2) in future EIC lab calls.

Deadline - October 18, 2024; 3pm (ET)

Topic 2: EIC Training Cohort (Cohort 20) - This topic seeks team applications to participate in EIC Cohort 20. Selected teams of researchers will participate in an intensive two-month, curriculum-based program to learn the principles of the business model canvas, define value proposition, and identify customer segments. Teams will develop hypotheses on these elements and interview at least 75 stakeholders as part of the customer discovery process to iterate on their business model canvas and to better understand the market's adoption readiness of the lab technology. Application *only for Topic 2* via MS Forms. Nothing needs to be submitted to EERE Exchange.

Link: <https://forms.office.com/g/hvb2HKWGN2>

Deadline - October 18, 2024; 3pm ET

Topic 3: Post EIC - This Topic is an opportunity to continue advancing EIC Topic 2 technologies toward commercialization. The technology must 1) be from a DOE Laboratory or DOE plant or site AND 2) have gone through either EIC Training Cohort (Topic 2) or the U.S. National Science Foundation's Innovation Corps. EIC Training Cohort graduates and non-graduates can apply to this topic. However, non-graduates are limited to individuals who are employed by or have a contractual relationship with a DOE National Lab, DOE plant or site (e.g. Technology Transfer Office personnel).

Deadline - October 18, 2024; 3pm (ET)

DOCUMENTS

- [EERE Exchange Submission Instructions](#) (Last Updated: 9/5/2024 12:58 PM ET)
- [FY25 Spring Energy I-Corps Lab Call Amendment 000001_10_07_2024](#) (Last Updated: 10/7/2024 04:07 PM ET)
- [DE-LC-000L123 FY25 Spring EIC Lab Call Q&A 10_09_2024](#) (Last Updated: 10/9/2024 10:04 AM ET)

WEBINAR DETAILS

An Informational Webinar was held on Wednesday, September 11, 2024 at 12:00 PM ET. Please see the webinar slides below.

- [EIC FY25 Spring Lab Call Informational Webinar Amended 10_07_2024](#) (Last Updated: 10/7/2024 04:11 PM ET)

CONTACT INFORMATION

- energyicorps@hq.doe.gov DOE OTT Energy I-Corps Team
- EERE-ExchangeSupport@hq.doe.gov EERE Exchange Technical Support

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: 10/18/2024 3:00 PM ET

DE-FOA-0003426: MICROELECTRONICS ENERGY EFFICIENCY SCALING FOR 2 DECADES (EES2) RD&D ROADMAP

MOD0001

The EES2 Roadmap is one of several new draft strategies and roadmaps that will be issued by the Advanced Materials and Manufacturing Technologies Office (AMMTO) in the coming months. To facilitate engagement across AMMTO's broader portfolio and provide additional opportunities for synergies with our broad stakeholder group, AMMTO is reissuing this RFI and will keep it open through December 16th, 2024. This new deadline will be consistent across all pending RFIs that will accompany the new draft strategies and roadmaps.

This is a Request for Information (RFI) issued by the U.S. Department of Energy (DOE) on behalf of the Advanced Materials and Manufacturing Technologies Office (AMMTO). The intent of this RFI is to solicit feedback from affected stakeholders on the EES2 Initiative in general and on the draft Microelectronics Energy Efficiency Scaling for 2 Decades (EES2) Research, Development, and Demonstration (RD&D) Roadmap that accompanies this RFI.

The EES2 roadmap focuses on the energy efficiency of computing and the computing stack. Therefore, we have divided our roadmap into eight specialized working groups, each focusing on specific layers of the computing stack or on enabling technologies and approaches. Working group deliberations focused on identifying key emerging, energy-efficient technologies and their challenges and solutions. The EES2 working groups for version 1.0 are:

- a. Materials and Devices (MnD)
- b. Circuits and Architectures (CnA)
- c. Advanced Packaging and Heterogenous Integration (APHI)
- d. Algorithms and Software (AnS)
- e. Power and Control Electronics (PaCE)
- f. Manufacturing Energy Efficiency and Sustainability (MEES)
- g. Metrology and Benchmarking (MnB)
- h. Education and Workforce Development (EWD)

Responses to this RFI must be submitted electronically to micro.electronics@ee.doe.gov no later than 5:00pm (EDT) on September 30, 2024. Responses must be provided as a Microsoft Word (.docx) attachment to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery.

This RFI is not accepting applications for financial assistance or financial incentives. EERE may or may not issue a Funding Opportunity Announcement (FOA) based on consideration of the input received from this RFI.

Please see the full RFI document in the Documents section below.

DOCUMENTS

- [DE-FOA-0003426_MOD0001_Request_for_Information_EES2](#) (Last Updated: 10/11/2024 07:13 AM ET)
- [Draft_EES2_Roadmap_AMMTO_August29_2024.pdf](#) (Last Updated: 8/29/2024 06:38 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
- micro.electronics@ee.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: 12/16/2024 5:00 PM ET

TPL-0000057: TEAMING PARTNER LIST FOR DE-FOA-0003383: FISCAL YEAR 2024 VEHICLE TECHNOLOGIES OFFICE BATTERIES FUNDING OPPORTUNITY ANNOUNCEMENT

Teaming Partner List for DE-FOA-0003383: Fiscal Year 2024 Vehicle Technologies Office Batteries Funding Opportunity Announcement

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003383: FISCAL YEAR 2024 VEHICLE TECHNOLOGIES OFFICE BATTERIES FUNDING OPPORTUNITY ANNOUNCEMENT

Amendment 000001: The purpose of Amendment 000001 is to revise the Funding Opportunity Announcement to add a work performance requirement for AOI 2 eligible applicants (universities/institutions of higher education) where they must perform at least 70% of the project work.

This funding opportunity announcement (FOA) seeks applications to address priorities in several areas critical to achieving net-zero greenhouse gas (GHG) emissions by 2050, including: development of innovative battery chemistries and component materials, reduction of cascading battery fires, and battery electrode, cell, and pack manufacturing cost reduction.

DOCUMENTS

- [DE-FOA-0003383_FY24VTOBatteries_FOA_Amendment000001_FINAL](#) (Last Updated: 8/19/2024 08:26 AM ET)
- [DE-FOA-0003383_Q&A](#) (Last Updated: 10/30/2024 07:49 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- DE-FOA-0003383@netl.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 9/9/2024 5:00 PM ET
- Full Application Submission Deadline: 10/30/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003427: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT DE-FOA-0003415 OCEANS OF OPPORTUNITY: U.S. WAVE ENERGY OPEN WATER TESTING

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Water Power Technologies Office (WPTO), a Funding Opportunity Announcement (FOA) entitled "Oceans of Opportunity: U.S. Wave Energy Open Water Testing".

This FOA supports WPTO's efforts to advance the commercial readiness of wave energy technologies through open water testing and system validation at multiple scales, serving the broader goals of the Biden administration to achieve carbon pollution-free electricity by 2035 and to "deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050" to the benefit of all Americans.

Topic Area 1 leverages wave energy technologies that provide power to distributed blue economy applications.

Topic Area 2 aims to develop functional wave energy technologies for coastal and island stakeholders (may or may not be grid-connected).

Topic Area 3 allows for maturing grid connected technologies that demonstrate reliable power generation direct to a utility.

This notice of intent (NOI) is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All of the information contained in this Notice is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Water Power Technologies Office (WPTO), a Funding Opportunity Announcement (FOA) entitled, "Oceans of Opportunity: U.S. Wave Energy Open Water Testing," on or about September 2024, via the EERE Program Information Center website <https://epicweb.ee.doe.gov/EPICWeb>.

If Applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in the EERE Program Information Center. When the FOA is released, applications will be accepted only through the EERE Program Information Center.

Register and create an account in the EERE Program Information Center at <https://epicweb.ee.doe.gov/EPICWeb> using your Login.gov account.

For more information, the following training materials will cover the process of registering for an account and managing user accounts (for AORs and AAs).

- [Account Registration \(Video\)](#)
- [Account Registration: Individual \(Quick Guide\)](#)
- [Account Registration: Industry, Academia, Non-Profit, and Government \(Quick Guide\)](#)
- [How to Manage Users \(Video\)](#)

DOCUMENTS

- [DE-FOA-0003427 Notice of Intent for Oceans of Opportunity](#) (Last Updated: 7/31/2024 11:48 AM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0003416: RESIDENTIAL WOOD HEATER IN-SITU TESTING RFI

Amendment 000001 - The RFI has been amended to provide additional time for interested parties to respond. The new submission deadline is September 30, 2024 at 5:00 PM ET.

Description

Wood is an important renewable source of fuel for residential heat, with 10% of American households (approximately 13 million) burning wood for heat and 2% using wood as their primary heat source. Although wood heaters provide a small percentage of energy used in residences in the United States, the devices are a substantial source of particulate matter emissions. These emissions contain fine particulate matter (PM) along with other pollutants, including carbon monoxide (CO), volatile organic compounds (VOCs), toxic air pollutants (e.g., benzene and formaldehyde), and black carbon. Improvements in the design and automation of wood heaters have the potential to significantly reduce emissions and increase efficiency. In addition to wood heater design, proper installation and operation also determine the level of emissions and efficiency of residential wood heaters.

As innovation has driven the improved performance of residential wood stoves, they have become more efficient and cleaner burning, as proven by laboratory certification tests. Measuring stoves' performance as they burn in residences with real user behavior (in-situ) will give more insight into the stoves' efficiency as well as the indoor and outdoor air quality. Collecting in-situ data will provide both industry and government with information to guide further innovation of cleaner and more efficient wood stoves and the best use of renewable wood feedstocks.

Background

Since fiscal year 2019 the U. S. Department of Energy (DOE) Bioenergy Technologies Office (BETO), an element of DOE's Office of Energy Efficiency and Renewable Energy (EERE), has been the steward of funds to support the development of cleaner burning, higher efficiency

residential wood heaters. These funds have supported topics in Funding Opportunity Announcements (FOA), Wood Heater Design Challenge (WHDC) competition, a FY23 Cooperative Research and Development Agreement (CRADA) call, and a series of workshops held in 2022. A recommendation from the March 2022 workshop series was to focus on the in-situ testing of wood heaters to better understand their actual performance as influenced by many factors, including but not limited to operator control, chimney design, climate, and wood quality. This RFI seeks further input from stakeholders to define the goals and objectives for a planned effort to collect in-situ wood heater performance data.

Purpose

The purpose of this RFI is to solicit feedback from industry, academia, research laboratories, government agencies, and other stakeholders on issues and considerations related to testing residential wood stoves in-situ to enable the development of cleaner, more efficient wood heaters. The planned in-situ field data collection effort will monitor wood heater performance in operation by the homeowner rather than an imposed duty cycle in a laboratory environment. EERE is specifically interested in input in identifying the most important parameters to measure, considerations of in-situ test design, data collection methods, operator behavior, and other input surrounding in-situ testing.

This is solely a request for information and not a FOA. EERE is not accepting applications.

Responses to this RFI must be submitted electronically to woodheat@ee.doe.gov no later than 5:00pm (ET) on September 30, 2024. Responses must be provided as attachments to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Responses must be provided as a Microsoft Word (.docx) attachment to the email, and no more than 5 pages in length, 12 point font, 1 inch margins. Only electronic responses will be accepted.

Please see the full RFI document in the **Documents** section below.

DOCUMENTS

- [DE-FOA-0003416 000001 FY24 Residential Wood Heater In-Situ Testing RFI](#) (Last Updated: 8/29/2024 12:57 PM ET)

CONTACT INFORMATION

- woodheat@ee.doe.gov
For submission of responses and specific questions about this RFI
- ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: 9/30/2024 5:00 PM ET

DE-FOA-0003334: OFFSHORE WIND NATIONAL AND REGIONAL RESEARCH AND DEVELOPMENT

Admendment 000001- Removing the following language ", see Wind Energy Technologies Office Projects Map | Department of Energy. Specific examples include: the Thermal Tracker System and the offshore biological radar project." from section I.B. for Topic Area 3 under Applications not of Interest, page 21. Revised \$3.3M to \$2.15M on page 38.

Admendment 000002- Remove "(12 to 18-month period)" from section IV.D.iii on page 59.

This Funding Opportunity Announcement (FOA) is being issued by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) on behalf of the Wind Energy Technologies Office (WETO), as well as the U.S. Department of the Interior's Bureau of Safety and Environmental Enforcement (BSEE). The goals of this FOA are to:

- Drives accelerated U.S. floating offshore wind deployment.
- Aids the transition to fixed-bottom platform concepts that simplify port and vessel constraints.
- Advances technologies to monitor bird and bat presence and behavior to understand risk to species from offshore wind deployment.
- Leverages the strengths of the existing industrial base in the Great Lakes region to engage with the national and global offshore wind market.
- Seeds a university education and research ecosystem to support the technical needs of the U.S. floating offshore wind industry and other stakeholders and develop the next generation of technical leadership for the industry in the United States.
- Advances the understanding of lightning occurrence and mitigation at offshore wind farms to improve protection from lightning strikes.

Please Note: In the event that an applicant experiences technical difficulties with a submission, the applicant should contact the eXCHANGE helpdesk for assistance at eere-exchangesupport@hq.doe.gov

DOCUMENTS

- [FOA 3334 Funding Opportunity Announcement Mod 0002](#) (Last Updated: 11/4/2024 11:34 AM ET)
- [FOA Q&A DE-FOA-0003334](#) (Last Updated: 11/7/2024 02:09 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- eere-exchangesupport@hq.doe.gov EERE Helpdesk
- weto.osw@ee.doe.gov FOA Mailbox

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 9/3/2024 5:00 PM ET
- Full Application Submission Deadline: 11/7/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003435: REQUEST FOR INFORMATION (RFI) ON ENHANCING COORDINATION OF THE LAB EMBEDDED ENTREPRENEURSHIP PROGRAM (LEEP)

MOD 0001

The RFI response deadline has been extended to 9/26/2024 at 5:00pm ET.

The purpose of this Request for Information (RFI) is to gather input from stakeholders across the clean energy innovation and entrepreneurship ecosystem regarding optimal strategies and opportunities to expand the quality, reach, impact, and equity of the Lab Embedded Entrepreneurship Program (LEEP). The information being sought under this RFI is intended to assist the Advanced Materials and Manufacturing Technologies Office (AMMTO) and the Office of Energy Efficiency and Renewable Energy (EERE) as it considers approaches to and degrees of centralization and inter-node coordination. Resulting changes, along with other activities, will ensure LEEP is one of the nation's most recognizable, inclusive, and expansive programs to support entrepreneurs and accelerate the development and deployment of impactful clean energy technologies at scale.

This is a RFI only. EERE will not pay for information provided under this RFI and no project will be supported as a result of this RFI. This RFI is not accepting applications for financial assistance or financial incentives. EERE may or may not issue a Funding Opportunity Announcement (FOA) based on consideration of the input received from this RFI.

Please see the RFI document below in the Documents section.

Responses to the RFI should be submitted to: LEEP@ee.doe.gov and EERE will not accept responses after September 19, 2024 5:00pm ET.

DOCUMENTS

- [DE-FOA-0003435_MOD_0001_Request_for_Information_LEEP](#) (Last Updated: 9/16/2024 11:18 AM ET)

CONTACT INFORMATION

- LEEP@ee.doe.gov
For specific questions about the RFI and to submit responses
- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the use of the EERE Exchange website

SUBMISSION DEADLINES

- Full Application Submission Deadline: 9/26/2024 5:00 PM ET

TPL-0000052: TEAMING PARTNER LIST FOR DE-FOA-0003136 CONNECTED COMMUNITIES 2.0 FOA

This Teaming Partner List is for the DE-FOA-0003136 Connected Communities 2.0 FOA.

A teaming partner list may be used to facilitate the formation of new project teams for the announcement/topic area. The list allows organizations to express their interest and to explore potential partnerships, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); and partnerships with Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or tribal nations.

CONTACT INFORMATION

- CCPilotsFOA@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003136: CONNECTED COMMUNITIES 2.0: INNOVATIONS TO MANAGE GROWING TRANSPORTATION, BUILDING, AND INDUSTRIAL LOADS TO THE GRID

Modification 0001: The purpose of this modification is extend the Full Application deadline from October 10, 2024 to October 16, 2024 due to natural disaster, Hurricane Milton, impacting the ability of applicants to complete and submit an application by the deadline.

The "Connected Communities 2.0: Innovations to Manage Growing Transportation, Building, and Industrial Loads to the Grid" Funding Opportunity Announcement (FOA) issued by the Office of Energy Efficiency and Renewable Energy is designed to address major new loads from transportation, industry, and buildings on the electric grid by providing new tools for users, planners, and operators of the electric grid. This FOA has two major topical areas:

1. Connected Communities 2.0, focused on grid edge technical measures in buildings, industry, and transportation to prepare the electric grid for these new loads, and improve the resilience of customers and the grid; and
2. Smart Charge Management (SCM), focused on various unique urban, suburban, and rural use cases to build confidence in SCM as an effective approach for electric vehicles (EVs) to provide flexibility and value to the electric grid.

The learnings from these projects should enable electric system planners and operators, strategic planners, regulators such as Public Utility Commissions (PUCs), and other stakeholders to understand and plan for new load growth and peak loads driven by electrification, growth in manufacturing, and new computing developments; and to plan for physical and cyber threats to reliability and resilience, while keeping costs

affordable for customers and ratepayers. To achieve this end, the cohort of awarded projects will pursue three primary goals. First, the cohort will demonstrate how smart and coordinated management of EVs and other distributed energy resources (DERs), including the integration of efficiency, smart electrical panels, solar, heat pumps, controls, EV charging, and storage can together provide grid support, reduce system costs, and improve the economics of customer technology adoption, at a scale sufficient to enable confidence in wide-scale adoption. The second goal is to demonstrate approaches that enable acceptance by utilities, PUCs, and communities of smart charge management, grid-edge technical measures and innovative planning strategies as valid methods towards right sizing investments in the distribution system. The third and final major goal for the cohort is to demonstrate approaches towards improved resilience for communities, end-use customers, and the overall grid in the face of growing loads, extreme weather events, cyber threats, and increasing reliance on the electric grid through the use of grid edge technical measures.

This FOA will award an estimated \$65M, and is a cross office FOA co-funded by BTO, VTO, SETO, IEDO, GTO, and OE.

Questions regarding the FOA must be submitted to CCPilotsFOA@ee.doe.gov

DOCUMENTS

- [DE-FOA-0003136 - Connected Communities 2.0 Mod 0001](#) (Last Updated: 10/10/2024 11:37 AM ET)
- [DE-FOA-0003136 - Connect Communities 2.0 FAQ Log](#) (Last Updated: 10/9/2024 05:57 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

An informational webinar was held on July 29th, 2024. The webinar recording is available at:

<https://youtu.be/FLX7cXHJ1jw>

Attached is a copy of the slides presented.

- [DE-FOA-0003136-CC2-FOA-Applicant-Webinar-Presentation](#) (Last Updated: 8/5/2024 01:13 PM ET)

CONTACT INFORMATION

- CCPilotsFOA@ee.doe.gov
For questions related to the content of the FOA.
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 8/20/2024 5:00 PM ET
- Full Application Submission Deadline: 10/16/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 1/15/2025 5:00 PM ET – 1/17/2025 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003329: SMART MANUFACTURING TECHNOLOGIES FOR MATERIAL AND PROCESS INNOVATION

MOD 0001

The FOA has been modified to remove the cost share reduction option for Topic Area 1, Area of Interest 3. Revisions have been made in Section I.B.i and III.B to delete the cost share reduction language.

To realize a clean, decarbonized economy, we must drive innovation to transform resources, materials, and manufacturing for energy applications. The U.S. ramp up of production of technologies that are needed for this energy transition will require new materials, new manufacturing processes, and new circular materials flows. The modernization of manufacturing can help bring these innovations on-line at the needed scale and quality faster. Smart manufacturing provides a systemic approach for this modernization that holds great promise to significantly improve productivity, efficiency, safety, security, and sustainability of U.S. manufacturing and energy systems.

Smart manufacturing refers to the suite of platform technologies that directly support the digital transformation of the manufacturing enterprise across the entire production lifecycle, which includes design, process, production, supply network, and enterprise levels. Platform technologies are manufacturing technologies that can be applied to manufacture multiple products. This FOA applies smart manufacturing across four topic areas:

1. Smart Manufacturing for a Circular Economy
2. Smart Manufacturing of Tooling and Equipment for Sustainable Transportation
3. Smart Manufacturing for High Performance Materials
4. Smart Technologies for Sustainable and Competitive U.S. Mining.

Please see the full FOA in the DOCUMENTS section below.

Questions regarding the FOA must be submitted to SM.FOA.FY24@ee.doe.gov.

Please note: In the event that an application experiences technical difficulties with a submission, the applicant should contact the eXCHANGE helpdesk at EERE-ExchangeSupport@hq.doe.gov.

DOCUMENTS

- [DE-FOA-0003329_MOD_0001_Smart_Manufacturing_Tech_for_Material_&_Process_Innovation](#) (Last Updated: 10/9/2024 10:28 AM ET)
- [DE-FOA-0003329_Smart_Manufacturing_FOA_Q&A_2024-11-14](#) (Last Updated: 11/14/2024 11:48 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- SM.FOA.FY24@ee.doe.gov
For questions related to the content of the FOA
- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 8/22/2024 5:00 PM ET
- Full Application Submission Deadline: 11/18/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 1/8/2025 5:00 PM ET – 1/14/2025 5:00 PM ET

TPL-000056: WPIN: TEAMING PARTNER LIST

This Teaming Partner list is for DE-FOA-0003323: Water Power Innovation Network

A teaming partner list may be used to facilitate the formation of new project teams for the announcement/topic area. The list allows organizations to express their interest and to explore potential partnerships.

DOCUMENTS

- [Topic Information](#) (Last Updated: 7/9/2024 05:14 PM ET)

CONTACT INFORMATION

- WPTOFOA@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003389: DE-FOA-0003389 REQUEST FOR INFORMATION (RFI) ON RENEWABLE PROPANE PRODUCTION TECHNOLOGIES AND USES

The U.S. Department of Energy (DOE), Office of Energy Efficiency and Renewable Energy (EERE) Bioenergy Technologies Office (BETO) is requesting information and feedback on areas relating to activities in the Conversion Research & Development (R&D) Program. This RFI is focused on understanding the supply chains for production and uses of renewable propane and other renewable gaseous intermediates. Specifically, DOE would like to understand the potential for R&D to increase the viability of renewable propane to pursue new production pathways to sustainable aviation fuel and other high-impact products from municipal waste; agricultural residue; forest resources; and fats, oils, and greases.

The purpose of this RFI is to solicit feedback from industrial entities that currently produce, or are considering producing, renewable propane and other renewable gaseous intermediates. EERE is specifically interested in information on the costs and benefits to a refinery that hydroprocesses biogenic fats, oils, and greases of utilizing renewable propane produced *in situ* as process energy compared to separation and recovery of the renewable propane for sale externally in the propane market.

This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

Responses to this RFI must be submitted electronically to RenewablePropaneRFI@ee.doe.gov no later than 5:00p.m. (ET) on August 5, 2024. Responses must be provided as attachments to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Preferred responses should be provided as a Microsoft Word (.docx) (10 page limit) and/or Microsoft Excel (.xlsx) attachments to the email. If necessary, a plain text file (.txt) may be submitted. Only electronic responses will be accepted. Please identify your answers by responding to a specific question or topic if applicable. Respondents may answer as many or as few questions as they wish.

Please see the full RFI document in the **Documents** section below.

DOCUMENTS

- [DE-FOA-0003389_Request_for_Information_\(RFI\)_Renewable_Propane](#) (Last Updated: 7/8/2024 02:41 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: 8/5/2024 5:00 PM ET

DE-FOA-0003323: WATER POWER INNOVATION NETWORK

DE-FOA-0003323: Water Power Innovation Network

AMENDMENT 00001: The purpose of this modification is to adjust the timeline for this FOA, which includes changes to the following dates and a revised Statement of Project Objectives template.

- Submission Deadline for Concept Papers
- Submission Deadline for Full Applications
- Expected Date for EERE Selection Notifications
- Expected Timeframe for Award Negotiations

AMENDMENT 00002: See details under Modifications on pages 2-4 of the FOA. Full details are included in the FOA. In summary, the purposes of this modification are to add clarity to the proposed programming and services during Budget Period 1; and clarify the Content and Form of the Concept Paper and Full Application to include language for the Technical Volume Work Plan and down-select deliverables. SOPO template included.

AMENDMENT 00003: See details under Modifications on pages 2-4 of the FOA. Full details are included in the FOA. In summary, the purposes of this modification are to update the Expected Date for EERE Selection Notifications and Expected Timeframe for Award Negotiations, add clarification to the down-select deliverables and add clear requirements to the Content for the Full Application regarding what information to include for Budget Period 1 versus Budget Period 2. Revised SOPO template included.

The U.S. Department of Energy's (DOE) Water Power Technologies Office (WPTO) is issuing this \$4.8 million funding opportunity announcement (FOA) "Water Power Innovation Network" to support business creation, entrepreneurship, and regional innovation for water power systems and solutions. WPTO enables research, development, and testing of emerging technologies to advance marine energy as well as next-generation hydropower and pumped storage systems for a flexible, reliable grid.

Through this FOA, WPTO seeks to fund new and/or expanded incubator or accelerator programs that enable entrepreneurship and accelerate water power innovation, business creation, and growth in communities and regions throughout the United States. Through this FOA, new and/or expanded incubators and accelerators in water power will be able to collaborate with one another and build a stronger water power innovation network in support of accelerating water power technologies to market.

Topic Area 1: Water Power Incubation and Acceleration. This topic area will fund programs that accelerate the commercialization and adoption of water power systems and solutions through incubation and acceleration programming and services that support entrepreneurs and small businesses in marine energy and/or hydropower.

Please see the full FOA in the DOCUMENTS section below.

Questions regarding the FOA must be submitted to WPTOFOA@ee.doe.gov.

Please note: In the event that an application experiences technical difficulties with a submission, the applicant should contact the eXCHANGE helpdesk at EERE-ExchangeSupport@hq.doe.gov.

DOCUMENTS

- [DE-FOA-0003323 Water Power Innovation Network Funding Opportunity Announcement_00003](#) (Last Updated: 10/1/2024 09:40 AM ET)
- [DE-FOA-0003323 Q&A Spreadsheet](#) (Last Updated: 10/22/2024 10:43 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

An **informational webinar** was held on July 11, 2024, at 1:30 ET. There were no particular advantages or disadvantages to the application evaluation process with respect to participating in the webinar; participation was completely voluntary. The webinar recording is available at:

<https://doe.webex.com/doe/ldr.php?RCID=fa21dca4c18f91cdbf0072f7506f64f6>

Password: qGP8pBbJ

- [DE-FOA-0003323 Webinar Presentation](#) (Last Updated: 7/16/2024 08:44 AM ET)
- [DE-FOA-0003323 Q&A Spreadsheet](#) (Last Updated: 10/15/2024 03:21 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
- WPTOFOA@ee.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 8/28/2024 5:00 PM ET
- Full Application Submission Deadline: 10/23/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0002826: BIPARTISAN INFRASTRUCTURE LAW ENHANCED GEOTHERMAL SYSTEMS (EGS) PILOT DEMONSTRATIONS

This opportunity is now open for Round 2, Topic Area 4.

- *Modification 0003 - Open Round 2. See the Modification table in the FOA document for additional modification actions.*
- *Modification 0002 - See the Modification table in the FOA document.*
- *Modification 0001 - See the Modification table in the FOA document.*

Awards made under this Funding Opportunity Announcement (FOA) will be funded, in whole or in part, with funds appropriated by the Infrastructure Investment and Jobs Act, also more commonly known as the Bipartisan Infrastructure Law (BIL).

The BIL is a once-in-a-generation investment in infrastructure, which will grow a more sustainable, resilient, and equitable economy through enhancing U.S. competitiveness, driving the creation of good-paying union jobs, and ensuring stronger access to economic, environmental, and other benefits for disadvantaged communities. The BIL appropriates more than \$62 billion to the Department of Energy (DOE) to invest in American manufacturing and workers; expand access to energy efficiency; deliver reliable, clean and affordable power to more Americans; and deploy the technologies of tomorrow through clean energy demonstrations.

As part of and in addition to upgrading and modernizing infrastructure, DOE's BIL investments will address the climate crisis and support efforts to build a clean and equitable energy economy that achieves zero carbon electricity by 2035, and puts the United States on a path to achieve net-zero emissions economy-wide by no later than 2050 to benefit all Americans.

The Department of Energy's (DOE's) Geothermal Technologies Office's (GTO) 2022 Enhanced Geothermal Shot™ analysis, building on the 2019 GeoVision report, concludes that with aggressive technology improvements, in areas relevant to enhanced geothermal systems (EGS), geothermal power generation could provide 90 gigawatts-electric (GWe) firm, flexible power to the U.S. grid by 2050.

Enhanced Geothermal Systems are engineered geothermal reservoirs, created where there is hot rock (175-300+°C), but little to no natural permeability and/or fluid saturation. During EGS development, subsurface permeability is enhanced via safe, well-engineered reservoir stimulation processes that re-open pre-existing fractures, create new ones, or a combination of both. These open conduits increase permeability and allow fluid to circulate throughout the hot rock. The fluid transports the otherwise stranded heat to the surface where clean, renewable electricity can be generated with current power generation technologies.

Relative to other geothermal resources, EGS have the potential to provide the most growth in the electric sector, and in the GeoVision scenarios, support noteworthy growth within the non-electric sector for district heating and other direct-use applications. This potential expands if superhot EGS resources (>375°C) are accounted for. Without significant and sustained investment in EGS technology development and demonstrations to refine our ability to access and develop these resources, however, the 90 GWe target will not be achieved.

The Topic Area addressed under this FOA is:

Topic Area 4: Eastern-US EGS Demonstrations (OPEN)

EGS stimulation demonstration located at a well-characterized Eastern U.S. site, with existing well(s) in place and near-term electrical and/or thermal power production potential.

PLEASE DO NOT upload the Letter of Intent or ANY application documents to closed Topic Areas 1, 2, or 3. These will not be accessed or reviewed, applicants risk Topic Area 4 full applications not being retrieved in the eXCHANGE system if submitted incorrectly.

See the 'Full FOA Document' in the DOCUMENTS section below.

Teaming Partner list: Any organization that would like to be included on this list should submit the following information: Organization Name, Contact Name, Contact Address, Contact Email, Contact Phone, Organization Type, Area of Technical Expertise, Brief Description of Capabilities, and Area of Interest. Interested parties should email the information to BIL_EGSPilotDemos@ee.doe.gov with the subject line "Teaming Partner Information."

Applicants must submit a Letter of Intent by 5:00pm ET on the due date listed in the FOA to be eligible to submit a Full Application. Letters of Intent and Full Applications will only be accepted through EERE eXCHANGE.

DOCUMENTS

- [Bipartisan Infrastructure Law Enhanced Geothermal Systems \(EGS\) Pilot Demonstrations FOA_Mod0003](#) (Last Updated: 6/25/2024 01:07 PM ET)
- [BIL Pilot Demonstration Teaming Partner List](#) (Last Updated: 7/24/2024 03:32 PM ET)
- [FOA Q&A Log](#) (Last Updated: 9/24/2024 07:39 PM ET)
- [Applicant Webinar Presentation](#) (Last Updated: 6/25/2024 09:50 AM ET)
- [BIL EGS FOA Webinar Recording](#) (Last Updated: 7/2/2024 08:09 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

An **informational webinar** will be held on June 26th, 2024 at 1:00 PM ET. Please note, there are no particular advantages or disadvantages to the application evaluation process with respect to participating in the webinar. Your participation is completely voluntary. [Informational Webinar Link](#)

CONTACT INFORMATION

SUBMISSION DEADLINES

- Letter of Intent Deadline: 7/18/2024 5:00 PM ET
- Full Application Submission Deadline: 9/25/2024 5:00 PM ET

DE-FOA-0003248: FY2024 VEHICLE TECHNOLOGIES OFFICE RESEARCH & DEVELOPMENT FUNDING OPPORTUNITY ANNOUNCEMENT

The purpose of Amendment 000002 is to revise the Funding Opportunity Announcement to revise Section I.B. Area of Interest 1 - General Requirements Item 11. - Definition of Project Progress Cells (PPCs) and Project Completion Cells (PCCs).

The purpose of Amendment 000001 is to revise the Funding Opportunity Announcement to add additional funding to Area of Interest 3, increase the total Estimated Funding total, increase the number of Estimated Funding Revised number of awards, and revise Section IV.D.vii. Diversity, Equity, and Inclusion Plan.

This funding opportunity announcement (FOA) seeks research projects to address priorities in the following areas: the increase in energy density of battery cells containing phosphate-based cathodes; the development of innovative technologies capable of significantly decreasing greenhouse gases; the production and manufacturing of new high-performance E-steels using domestic resources; the advancement of state of the art Na-ion batteries; the improvement of efficiency and convenience of the mobility-system using V2X; the development of planning tools and/or models to identify, quantify, and assess the impact of convenience strategies on regions and/or communities; addressing vulnerabilities and potential cybersecurity threats posed by the nature of EVs and charging infrastructure integrated with the grid, to improve fuel economy and reduce GHG emissions with the goals of carbon pollution free electricity by 2035 and net-zero of GHG emissions by 2050.

DOCUMENTS

- [Amendment_000002_FOA_DOE-NETL-EERE-DE-FOA-0003248_Final](#) (Last Updated: 4/18/2024 04:09 PM ET)
- [DE-FOA-0003248_QA_04.17](#) (Last Updated: 4/17/2024 12:08 PM ET)
- [DE-FOA-0003248_QA_04.23](#) (Last Updated: 4/23/2024 09:34 AM ET)
- [DE-FOA-0003248_QA_04.25](#) (Last Updated: 4/25/2024 03:12 PM ET)
- [DE-FOA-0003248_QA_05.01](#) (Last Updated: 5/1/2024 03:29 PM ET)
- [DE-FOA-0003248_QA_05.02](#) (Last Updated: 5/2/2024 10:22 AM ET)
- [DE-FOA-0003248_QA_05.11](#) (Last Updated: 5/11/2024 07:57 AM ET)
- [DE-FOA-0003248_QA_05.17](#) (Last Updated: 5/17/2024 07:59 AM ET)
- [DE-FOA-0003248_QA_05.24](#) (Last Updated: 5/24/2024 07:52 AM ET)
- [DE-FOA-0003248_QA_06.04](#) (Last Updated: 6/4/2024 10:33 AM ET)
- [DE-FOA-0003248_QA_06.07](#) (Last Updated: 6/7/2024 12:53 PM ET)
- [DE-FOA-0003248_QA_06.12](#) (Last Updated: 6/12/2024 10:19 AM ET)
- [DE-FOA-0003248_QA_06.13](#) (Last Updated: 6/13/2024 10:05 AM ET)
- [DE-FOA-0003248_QA_06.17](#) (Last Updated: 6/17/2024 10:30 AM ET)
- [DE-FOA-0003248_QA_06.21](#) (Last Updated: 6/21/2024 09:31 AM ET)
- [DE-FOA-0003248_QA_06.24](#) (Last Updated: 6/24/2024 11:46 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- DE-FOA-0003248@netl.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 5/2/2024 5:00 PM ET
- Full Application Submission Deadline: 6/24/2024 5:00 PM ET

TPL-0000054: TEAMING PARTNER LIST FOR DE-FOA-0003289: FISCAL YEAR 2024 SOLAR ENERGY SUPPLY CHAIN INCUBATOR FOA

DOE is compiling a Teaming Partner List to facilitate the formation of project teams for this FOA. The Teaming Partner List allows organizations that may wish to participate on a project to express their interest to other applicants and explore potential partnerships.

SUBMISSION INSTRUCTIONS: View the Teaming Partner List by visiting the EERE eXCHANGE homepage and clicking on Teaming Partners within the left-hand navigation pane. This page allows users to view published Teaming Partner Lists. To join the Teaming Partner List, submit a request within eXCHANGE. Select the appropriate Teaming Partner List from the drop-down menu and fill in the following information: Investigator Name, Organization Name, Organization Type, Topic Area, Background and Capabilities, Website, Contact Address, Contact Email, and Contact Phone.

DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are identifying themselves for placement on this Teaming Partner List. DOE will not

pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

Private, for-profit manufacturing entities—the target applicants for this FOA—would benefit greatly from developing strong partnerships within this ecosystem. As such, applicants are strongly encouraged to form teams for projects under this FOA. Applicants are encouraged to partner with academia, national laboratories, other industry members, supply chain partners, equipment developers, and institutions representing a diversity of individuals, such as, but not limited to, Tribal communities, minority serving institutions,[1] minority business enterprises, minority-owned businesses, woman-owned businesses, veteran-owned businesses, or entities located in underserved communities. Applicants are particularly encouraged to partner with a diverse set of organizations to advance demonstration and field-testing activities.

[1] Minority serving institutions (MSIs) include historically Black colleges and universities/other minority institutions as educational entities recognized by the Office of Civil Rights and U.S. Department of Education and identified on the Office of Civil Rights' Department of Education accredited postsecondary minorities' institution list. See www2.ed.gov/about/offices/list/ocr/edlite-minorityinst.html.

CONTACT INFORMATION

- EERE-eXCHANGESupport@hq.doe.gov
- solar_incubator@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

TPL-000055: GEOTHERMAL TECHNOLOGIES OFFICE GEOTHERMAL RESOURCES' VALUE IN IMPLEMENTING DECARBONIZATION (GTO GRID) FOA TEAMING PARTNER LIST

DOE is compiling a Teaming Partner List to facilitate the formation of project teams for **DE-FOA-0003346, Geothermal Technologies Office Geothermal Resources' Value in Implementing Decarbonization (GTO GRID) FOA**.

Coordination with utility entities is encouraged in support of the FOA goals. The Teaming Partner List allows organizations that may wish to participate on a project to express their interest to other applicants and explore potential partnerships.

The Teaming Partner List will be available on EERE eXCHANGE and will be regularly updated to reflect new teaming partners who provide their organization's information.

SUBMISSION INSTRUCTIONS: View the Teaming Partner List by visiting the EERE eXCHANGE homepage and clicking on "Teaming Partners" within the left-hand navigation pane. This page allows users to view published Teaming Partner Lists. To join the Teaming Partner List, submit a request within eXCHANGE. Select the appropriate Teaming Partner List from the drop-down menu and fill in the following information: Investigator Name, Organization Name, Organization Type, Topic Area, Background and Capabilities, Website, Contact Address, Contact Email, and Contact Phone.

DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are identifying themselves for placement on this Teaming Partner List. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

CONTACT INFORMATION

- Value.of.Geothermal@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003346: GEOTHERMAL TECHNOLOGIES OFFICE GEOTHERMAL RESOURCES' VALUE IN IMPLEMENTING DECARBONIZATION (GTO GRID)

The GTO GRID FOA seeks applications from teams focused on geographic regions defined within specific power pools, joint utilities groups, utility service territories, or Tribal jurisdictions in the conterminous U.S., Alaska, Hawaii, or U.S. territories to quantify the value of geothermal power in supporting an equitable transition to a future decarbonized grid and economy. Regional grid modeling studies should use one or more analysis approaches and tools such as capacity expansion modeling, production cost modeling, Loss-of-Load based analyses, machine learning applications, and/or alternate modeling or market design approaches.

GTO's mission is to increase geothermal energy deployment through research, development, and demonstration (RD&D) of innovative technologies that enhance exploration and production. Its vision is a vibrant domestic geothermal sector that contributes to a carbon-pollution free electric sector by 2035 and a net-zero emission economy by 2050 while providing economic opportunities and environmental benefits for all Americans. GTO supports geothermal energy RD&D activities in six research areas aimed at increased access, reduced costs and improved economics, and improved education and outreach about geothermal resources. DOE's 2023 Enhanced Geothermal ShotTM analysis concludes that with aggressive technology improvements in areas relevant to enhanced geothermal systems (EGS), geothermal electricity generation could provide 90 GWe of firm, flexible power to the US electric grid by 2050.

Building a clean and equitable energy economy and addressing the climate crisis is a top priority of the Biden-Harris Administration. This FOA will advance the Biden-Harris Administration's goals to achieve carbon pollution-free electricity by 2035 and to "deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050" to the benefit of all Americans. DOE is committed to pushing the frontiers of science and engineering, catalyzing clean energy

jobs through research, development, demonstration, and deployment (RDD&D), and ensuring environmental justice and inclusion of underserved communities.

Geothermal power offers a unique value proposition to support the United States' target of 100% carbon-pollution-free electricity by 2035 and a net-zero emissions economy by 2050. Traditionally, geothermal power is well understood as a clean, firm generation resource with a high capacity factor, 24/7 availability, and minimal land use footprint. Moreover, the advent of flexible geothermal operations and geothermal power coupled with storage technologies broadens the breadth of services that geothermal power could provide to a decarbonizing grid.

This FOA supports the administration goals laid out above by catalyzing regional grid modeling studies that quantify the potential contribution of geothermal power in supporting an equitable transition to a future decarbonized grid and economy. The research and development (R&D) activities to be funded under this 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 will quantify the value of geothermal power to a decarbonized grid.

General Topic Area:

Value of Geothermal Power Topic Area

Project teams are required to propose grid modeling and/or analysis approaches tailored to their specific grid region of interest examining one or more of the following geothermal power attributes:

- a) Firm capacity to support resource adequacy
- b) Flexible geothermal power and ancillary services to the grid and/or to a deferrable load
- c) Integrated value of geothermal power with storage technologies
- d) Total system impact of geothermal power to cost of grid decarbonization

In addition to choosing one or more of the above attributes for examination, project teams are required to incorporate elements of understanding geothermal power's contribution to an equitable transition within the proposal.

DOCUMENTS

- [DE-FOA-0003346_GTO_Geothermal_Resources'_Value_in_Implementing_Decarbonization](#) (Last Updated: 6/11/2024 09:58 AM ET)
- [GTO_GRID_FOA_3346_QA_Spreadsheet](#) (Last Updated: 9/6/2024 10:42 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

Informational Webinar: June 26, 2024 1-2pm MT

Join from the meeting link

<https://doe.webex.com/doe/j.php?MTID=m44fe4cb0191d812f3be94f4b4e6c9a74>

Join by meeting number

Meeting number (access code): 2825 527 7013

Meeting password: hFMMiwqC495

Tap to join from a mobile device (attendees only)

+1-415-527-5035,,28255277013## United States Toll

+1-929-251-9612,,28255277013## United States Toll (New York City)

Join by phone

+1-415-527-5035 United States Toll

+1-929-251-9612 United States Toll (New York City)

Global call-in numbers

Join from a video system or application

Dial 28255277013@doe.webex.com

You can also dial 207.182.190.20 and enter your meeting number.

EERE will conduct one informational webinar during the FOA process. It will be held after the initial FOA release but before the due date for Letters of Intent.

Attendance is not mandatory and will not positively or negatively impact the overall review of any applicant submissions. The webinar will be open to all applicants who wish to participate. Applicants should refrain from asking questions or communicating information that would reveal confidential and/or proprietary information specific to their project. The webinar date is listed on the cover page of the FOA.

- [FOA Applicant Webinar GRID 3346](#) (Last Updated: 6/28/2024 10:58 AM ET)

CONTACT INFORMATION

- Value.of.Geothermal@ee.doe.gov
For questions related to the content of the FOA.
- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Letter of Intent Deadline: 7/24/2024 5:00 PM ET
- Full Application Submission Deadline: 9/9/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003289: FISCAL YEAR 2024 SOLAR ENERGY SUPPLY CHAIN INCUBATOR FOA

MOD000003: The purpose of FOA Modification 000003 is to revise the page limit of the Statement of Project Objectives (SOPO) document in Section IV. Application and Submission Information.

MOD000002: The purpose of FOA Modification 000002 is to revise anticipated federal funding amounts in Section I.B ii, Section I.B.iii, and Section II.A.i.

MOD000001: The purpose of FOA Modification 000001 is to revise Section I.B.iv Topic Area 3: Solar and Electric Vehicle Supply Equipment Permitting Software, Outreach, Education, and Development, Section I.C.ii Topic Area 3, Section I.E Authorizing Statutes, and Section II.A.i Estimated Funding.

The U.S. Department of Energy (DOE) Solar Energy Technologies Office (SETO) announced the Fiscal Year 2024 Solar Energy Supply Chain Incubator funding opportunity (FOA), which will provide up to \$50.5 million for research, development, and demonstration (RD&D) projects that de-risk solar hardware, manufacturing processes, and software products across a wide range of solar technology areas.

The research and development (R&D) and demonstration (RD&D) activities to be funded under this FOA will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. Specifically, this FOA will support the DOE decarbonization goals by advancing innovative solar hardware, software, and manufacturing processes across a broad range of technology readiness levels, from laboratory-scale to pilot-scale testing and prototype demonstration.

Technologies of interest include photovoltaics (PV), systems integration, and concentrating solar-thermal power (CSP) technologies, as well as those that connect solar with storage or electric vehicles and dual-use PV applications like agrivoltaics and vehicle-integrated PV. SETO encourages for-profit applicants to team with diverse institutions including academic institutions, non-profits, state and local governments, and Tribal governments.

The FOA also seeks projects that provide outreach, education, or technology development for software that delivers an automated permit review and approval process for rooftop solar PV with or without energy storage. Both for-profit and non-profit entities are eligible to apply under this topic.

SETO expects to make between 11 and 23 awards ranging from \$1 million to \$6 million under this FOA. Learn more about past Incubator funding program awardees.

Prior to submitting a full application for this opportunity, a mandatory concept paper is due **July 19 at 5 p.m. ET**.

Applicants can also access free Application Education Services through the American-Made Network and can engage with Power Connectors.

DOCUMENTS

- [DE-FOA-0003289 EERE SETO FY24 Supply Chain Incubator FOA MOD000003](#) (Last Updated: 9/24/2024 01:56 PM ET)
- [DE-FOA-0003289 Solar Incubator FOA QandA Spreadsheet 10.25.24](#) (Last Updated: 11/25/2024 02:01 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

SETO hosted an informational webinar on **June 13, 2024 at 4 p.m. ET** to discuss the funding opportunity and the areas of focus. The webinar was not successfully recorded due to connection issues. Please review the presentation slides that were discussed for more information about this FOA.

Applicants can also access free Application Education Services through the American-Made Network and can engage with Power Connectors:

More information available at <https://network.americanmadechallenges.org/>

More information available at <https://americanmadechallenges.org/power-connectors>

Participation is not mandatory and will have no impact on the evaluation of your application by the Department of Energy.

- [FOA Applicant Webinar Presentation Exchange 3289 Incubator FOA RevA](#) (Last Updated: 6/28/2024 03:53 PM ET)

CONTACT INFORMATION

solar.incubator@ee.doe.gov

For questions related to the content of the FOA.

- EERE-eXCHANGESupport@hq.doe.gov

For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 7/19/2024 5:00 PM ET
- Full Application Submission Deadline: 10/7/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 1/27/2025 5:00 PM ET – 2/27/2025 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

TPL-000053: TOPIC INFORMATION FOR TEAMING PARTNERS LIST ASSOCIATED WITH FUNDING OPPORTUNITY DE-FOA-0003331

Topic Information for Teaming Partners List Associated with Funding Opportunity DE-FOA-0003331

Submittal Instructions

Any organization that would like to be included in the Teaming Partners List associated with the Funding Opportunity DE-FOA-0003331 should submit the following information via the EERE Exchange website to the Teaming Partners List TPL-000053:

This Teaming Partner List is being made available to facilitate the widest possible national participation in the formation of applicant teams for this potential FOA. The List allows organizations who may wish to participate on an application to express their interest to other applicants and explore potential partnerships, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); partnerships with Minority Business

Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, and tribal nations); and workforce education, training, and development or labor organizations.

SETO also requires cost share, so this teaming list may provide an opportunity to identify commercial cost-share partners.

Please include information about your organization type/characteristics in the "Background, Interest, Capabilities" field in Exchange to help other participants identify your capabilities.

Disclaimer: *By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By enabling and publishing the Teaming Partner List, EERE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are self-identifying themselves for placement on this Teaming Partner List. EERE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.*

DOCUMENTS

- [Teaming Partner List DE-DE-FOA-0003331](#) (Last Updated: 6/3/2024 07:56 PM ET)

CONTACT INFORMATION

- SETO.STRIVES.FOA@EE.DOE.GOV

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003382: NOTICE OF INTENT TO ISSUE FY24 VEHICLE TECHNOLOGIES OFFICE BATTERIES & ELECTRIFICATION FUNDING OPPORTUNITY ANNOUNCEMENT DE-FOA-0003383

The anticipated FOA targets Vehicle Technologies Office (VTO) research and development projects potentially including:

- Demonstration of Smart Charge Management for Electric Vehicles
- Improved 12 Volt Lead Acid Batteries for Safety-Critical Electric Vehicle Applications
- Develop Vehicle or Structural Level Strategies to Reduce the Likelihood of the Cascading Effects of Electric Vehicle Fires
- Battery Electrode, Cell, and Pack Manufacturing Cost Reduction
- Silicon-Based Anodes for Lithium-Ion Batteries
- High Energy Density Conversion Cathodes

DOCUMENTS

- [DE-FOA-0003382 FY24VTOBatteriesElectrification NOI FINAL](#) (Last Updated: 5/30/2024 09:03 AM ET)

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003331: SOLAR TECHNOLOGIES' RAPID INTEGRATION AND VALIDATION FOR ENERGY SYSTEMS (STRIVES)

Modification 000001: Extend the submission deadline for full applications as shown on the cover page of the FOA document.

This funding opportunity announcement (FOA) is being issued by the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) Solar Energy Technologies Office (SETO). Building a clean and equitable energy economy and addressing the climate crisis is a top priority of the Biden Administration. This FOA will advance the Biden Administration's goals to achieve carbon pollution-free electricity by 2035 and to "deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050[1] to the benefit of all Americans.

The research and development (R&D) and demonstration (RD&D) activities to be funded under this FOA will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. Specifically, the Solar Technologies' Rapid Integration and Validation for Energy Systems (STRIVES) FOA will fund RD&D projects to improve power systems simulation software tools and demonstrate new business models for distribution systems operations to integrate and optimize the value of inverter-based resources (IBRs) and distributed energy resources (DERs) including solar, wind, energy storage, and other technologies such as buildings and electric vehicles (EVs).

This funding opportunity announcement (FOA) is part of a collaborative effort by the DOE Office of Energy Efficiency and Renewable Energy (EERE) to issue multiple FOAs totaling more than \$100 million for field demonstration projects and other research to support better planning and operations of the electric grid.

Projects funded under this FOA will address near-term and long-term challenges in operating electric power grids with large deployments of solar energy systems and other DERs. This FOA has two topic areas:

Topic Area 1: Robust Experimentation and Advanced Learning for Distribution System Operators – 8-10 projects, \$2.5-3 million each

Projects in this topic area will design and perform field demonstrations of distribution system operator models that consider technology development and the roles of non-traditional stakeholders in potential distribution electricity services and markets.

Topic Area 2: Improved Simulation Tools for Large-Scale IBR Transient and Dynamic Studies – 4-5 projects, \$1-2.5 million each

Projects in this topic area will develop and demonstrate software tools and methodologies to improve the ability of power systems engineers to accurately and efficiently model the dynamics of power systems with large amounts of geographically dispersed IBR

DOCUMENTS

- [DE-FOA-0003331_Solar_Technologies'_Rapid_Integration_and_Validation_for_Energy_Systems_\(STRIVES\)_MOD_000001](#) (Last Updated: 10/16/2024 06:21 PM ET)
- [DE-FOA-0003331_QandA_Spreadsheet_10](#) (Last Updated: 10/25/2024 04:53 PM ET)
- [DE-FOA-0003331_STRIVES_Informational_Webinar_PowerPoint](#) (Last Updated: 6/12/2024 03:48 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

DOE hosted an informational webinar on June 10 at 1 p.m. ET, a recording of this Webinar can be found here:

[Informational Webinar recording for DE-FOA-0003331 STRIVES FOA](#)

Recording password: 3kMrMMev

CONTACT INFORMATION

- SETO.STRIVES.FOA@EE.DOE.GOV
For questions related to the content of the FOA.
- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 7/25/2024 5:00 PM ET
- Full Application Submission Deadline: 10/25/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 12/3/2024 5:00 PM ET – 12/6/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003363: NOTICE OF REQUEST FOR INFORMATION (RFI) ON TRANSFORMING INDUSTRY: STRATEGIES FOR DECARBONIZATION

This is a Request for Information (RFI) issued by the U.S. Department of Energy's (DOE) Industrial Efficiency and Decarbonization Office (IEDO). The intent of this RFI is to obtain information to inform a new DOE vision study, *Pathways for U.S. Industrial Transformations: Unlocking American Innovation*, which is identifying cost-effective and industry-specific strategic pathways to achieve a thriving U.S. industrial sector with net-zero greenhouse gas (GHG) emissions by 2050.

This RFI seeks input on four categories: Category 1: Industrial Decarbonization Challenges, Barriers, and Cross-Cutting Strategies; Category 2: Framework for Industrial Decarbonization Pathways; Category 3: Impacts and Evaluation Criteria for Industrial Decarbonization Pathways; and Category 4: Net-zero Decarbonization Pathways for Specific Industrial Subsectors.

This RFI is focused on input on industrial technological, financial, environmental, and health aspects as they pertain to the challenges, barriers, opportunities, and pathways to achieve net-zero emissions from the industrial sector by 2050. IEDO seeks input from a diverse group of stakeholders (both within and outside of industry) who will be integral to the transformation of U.S. industry, including associated communities, utilities, low-carbon fuels suppliers, technology developers, engineering consultants, firms designing new facilities, local and regional governments, and more.

Responses should be submitted electronically to Transforming-Industry@ee.doe.gov. Include "Transforming Industry RFI" in the subject line of the email.

MOD0001

Only electronic responses will be accepted and must be received by 5:00pm (ET) on June 24, 2024.

This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

DOCUMENTS

- [DE-FOA-00033663_MOD0001: RFI Transforming Industry](#) (Last Updated: 5/28/2024 01:09 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.
- Transforming-Industry@ee.doe.gov
For specific questions about the RFI.

SUBMISSION DEADLINES

- Full Application Submission Deadline: 6/24/2024 5:00 PM ET

DE-LC-0000119: FY24 VTO LAB CALL

The Vehicle Technologies Office (VTO) is issuing this lab call for fiscal year 2024 (FY2024) to solicit project proposals in new and on-going research areas.

To the extent possible and appropriate, VTO seeks lab projects that involve industry engagement or industry partners and encourages multiple-lab, multi-disciplined team-based approaches. VTO will award only a portion of its total planned FY25 lab funding through this lab call process. There is approximately \$19.5 million in annual funding available to fund all projects solicited in this Lab Call with the potential for future year funding pending appropriations.

Some labs have continuing multi-year projects that have already gone through the merit review process. These will continue to be reviewed through the annual peer review process. Labs should work with VTO project and program managers to ensure that ongoing projects are included in the annual operating plans (AOPs) to meet AOP deadlines.

This lab call will only pertain to the new topic areas below.

AOI 1: Sodium-Ion Consortium

AOI 2: Electric Drive Technologies – Accelerating Electrification through Improved Asset Utilization

AOI 3: Joining Core Program 3.0

DOCUMENTS

- [FY24 VTO Lab Call Mod 1](#) (Last Updated: 5/29/2024 03:04 PM ET)
- [FY24 VTO Lab Call Q&A 5 17 24](#) (Last Updated: 5/29/2024 03:13 PM ET)
- [FY24 VTO Lab Call Q&A 5 23 24](#) (Last Updated: 5/29/2024 03:13 PM ET)
- [FY24 VTO Lab Call Q&A 5 24 24](#) (Last Updated: 5/29/2024 03:13 PM ET)
- [FY24 VTO Lab Call Q&A 5 30 24](#) (Last Updated: 5/30/2024 09:21 AM ET)

CONTACT INFORMATION

- VTOLabCall@ee.doe.gov
- EERE-eXCHANGESupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: 6/12/2024 5:00 PM ET

DE-FOA-0003353: PROGRESSION OF NET-ZERO EMISSION PROPULSION TECHNOLOGIES FOR THE OFF-ROAD SECTOR

In September 2022, the U.S. Departments of Energy, Transportation, Housing and Urban Development, and the Environmental Protection Agency executed an historic memorandum of understanding (MOU) for the signatory agencies to accelerate our nation's affordable and equitable clean transportation future.¹ As a result of the comprehensive decarbonization strategy called for in the MOU, those agencies issued the *U.S. National Blueprint for Transportation Decarbonization*, which set the goal to achieve net-zero carbon emissions in the transportation sector – including off-road equipment – by 2050². The Transition to net-zero emission technologies requires coordination among all aspects of the supply chain, including feedstock supply, alternative fuel production, equipment manufacturers, safety implementation, customer demand, and government regulation. To develop a national strategy to decarbonize the sector, three critical questions must be addressed:

1. What is the current state of the off-road vehicle fleet?

2. Which powertrain technologies are most promising for decarbonization of off-road vehicles?

3. What is the timeline for the off-road sector to transition to net-zero emission GHG technologies?

“Off-road vehicles are primarily designed to operate away from existing roadways. This category contains a disparate and very diverse set of vehicles and use cases, including construction and mining equipment, industrial equipment, agriculture equipment, lawn and garden equipment, and recreational vehicles.”¹

The purpose of this Request for Information (RFI) is to understand the off-road sector alternative propulsion technology preferences, which technologies seem most promising, and what are the key barriers to achieving the transition to net-zero emissions by 2050. The propulsion technologies under consideration for this RFI are: biodiesel, renewable diesel, renewable natural gas, battery electric, direct electrification (catenary), electric hybridization, hydrogen fueled internal combustion engines and hydrogen fuel cells. Currently, no one alternative propulsion technology is a clear choice for sector decarbonization. This RFI is an attempt to aggregate knowledge from stakeholders to help guide actions regarding future propulsion technologies, research and infrastructure investments, and coordination among key stakeholders to ensure that the off-road sector is meeting or exceeding U.S. decarbonization milestones.

This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

Responses to this RFI must be submitted electronically to CleanMachines@ee.doe.gov no later than 5:00p.m. (ET) on June 7, 2024. Responses must be provided as attachments to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Preferred responses should be provided as a Microsoft Word (.docx) (10 page limit) and/or Microsoft Excel (.xlsx) attachments to the email. If necessary, a plain text file (.txt) may be submitted. Only electronic responses will be accepted. Please identify your answers by responding to a specific question or topic if applicable. Respondents may answer as many or as few questions as they wish.

Please see the full RFI document in the **Documents** section below.

[1]https://www.energy.gov/sites/default/files/2022-09/mou-doe-dot-epa-hud-final_09-15-2022.pdf

[2] <https://www.energy.gov/eere/us-national-blueprint-transportation-decarboniation-joint-strategy-transform-transportation>

DOCUMENTS

- [DE-FOA-0003353 Request for Information \(RFI\) Off-Road Sector Decarbonization](#) (Last Updated: 5/7/2024 11:09 AM ET)
- [Off-Road Sector Decarbonization Response Workbook](#) (Last Updated: 5/7/2024 11:08 AM ET)

CONTACT INFORMATION

- CleanMachines@ee.doe.gov
- EERE-eXCHANGESupport@hq.doe.gov

For questions related to the use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: 6/7/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 6/7/2024 5:00 PM ET – 6/7/2024 5:01 PM ET

TPL-000051: PHOTOVOLTAICS RESEARCH AND DEVELOPMENT (PVRD) FOA 2024

This teaming partner list is for Photovoltaics Research and Development PVRD Funding Opportunity Announcement DE-FOA-003337

DOE is compiling a Teaming Partner List to facilitate the formation of project teams for this FOA. The Teaming Partner List allows organizations that may wish to participate on a project to express their interest to other applicants and explore potential partnerships.

The Teaming Partner List will be available on EERE eXCHANGE and will be regularly updated to reflect new teaming partners who provide their organization's information.

SUBMISSION INSTRUCTIONS: View the Teaming Partner List by visiting the EERE eXCHANGE homepage and clicking on Teaming Partners within the left-hand navigation pane. This page allows users to view published Teaming Partner Lists. To join the Teaming Partner List, submit a request within eXCHANGE. Select the appropriate Teaming Partner List from the drop-down menu and fill in the following information: Investigator Name, Organization Name, Organization Type, Topic Area, Background and Capabilities, Website, Contact Address, Contact Email, and Contact Phone.

DOCUMENTS

- [FY24_PVRD_Teaming_Partner_List_Instructions](#) (Last Updated: 5/1/2024 05:42 PM ET)

CONTACT INFORMATION

- pvrld@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

DE-FOA-0003337: PHOTOVOLTAICS RESEARCH AND DEVELOPMENT (PVRD) FOA 2024

The research and development (R&D) activities to be funded under this FOA will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. Specifically,

this FOA will fund innovative solar photovoltaics (PV) R&D that reduces the cost of PV modules, reduces carbon and energy intensity of PV manufacturing processes, and optimizes PV technology for new, specialized markets.

SETO's PVRD program works to accelerate the deployment of solar energy technologies by funding innovative R&D in PV cell and module technologies, balance-of-system components, reliability tracing and tracking, metrology, and other key research questions in PV. To accelerate toward these deployment targets and augment SETO's ongoing PV research portfolio, this FOA will fund R&D on innovative cell- and minimodule-level technologies focused on three major goals:

- Enable cost reduction on an LCOE basis through development of durable, high-efficiency cell and module PV technology
- Identify pathways to reduce the carbon intensity and energy intensity of industrial processes required to fabricate PV cells and modules
- Increase technical viability of PV cells and modules tailored for emerging integrated PV sectors, such as building-integrated PV (BIPV) and vehicle-integrated PV.

This FOA will fund innovative R&D projects that aim to advance the state of the art in various cell and module technologies to accomplish these goals of cost reduction, lower carbon intensity, and viability of dual-use markets. This FOA is separated into two topic areas:

• **Photovoltaic Advances in Cell Efficiency, Reliability, and Supply Chain (PACERS):** Applications in four PV supply chain, cell, and module technology spaces are of particular interest: low-carbon synthesis of metallurgical-grade silicon (MGS, here defined as silicon that is 98% pure as defined by the 5/5/3 standard)¹³ production, crystalline silicon (c-Si) PV, III-V PV, and organic PV (OPV). However, proposals for any industrial process, cell, or minimodule-level research that enables the goals of this FOA will be considered, excluding areas specified as not of interest in Section I.C., such as perovskite technology, which is addressed in other funding programs, and CdTe technology, which is addressed in Topic Area 2.

• **Building Academic Capabilities in Cadmium Telluride:** Applications describing advanced R&D projects requiring the procurement or upgrade of CdTe equipment are of interest. Proposals should detail work that will enhance fabrication, characterization, or analytical capabilities while also benefiting the larger CdTe PV research community.

DOCUMENTS

- [EERE T 540.117-01: Funding Opportunity Announcement Photovoltaics Research and Development \(PVRD\) FOA 2024](#) (Last Updated: 4/30/2024 03:22 PM ET)
- [FOA Q&A Spreadsheet 12-9-2024](#) (Last Updated: 12/12/2024 02:50 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

The link to the webinar recording is here:

Webex meeting recording: PVRD FY24 FOA Informational Webinar-20240508 2001-2

<https://doe.webex.com/doe/ldr.php?RCID=60c8e428fd6858a854607cfcecb0a91f>

Password: aHHJtDr8

CONTACT INFORMATION

- pvrld@ee.doe.gov
For questions related to the content of the FOA
- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Letter of Intent Deadline: 6/12/2024 5:00 PM ET
- Concept Paper Submission Deadline: 7/1/2024 5:00 PM ET
- Full Application Submission Deadline: 9/16/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 11/3/2024 9:44 PM ET – 11/6/2024 11:59 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003072: WASTE: WASTE ANALYSIS AND STRATEGIES FOR TRANSPORTATION END-USES

Amendment 000001 - Remove the references to Letter of Intent. A Letter of Intent is not required for this FOA.

Amendment 000002 - Update Section I.D. Applications Specifically Not of Interest. "Applications that are not led by a State, municipal entity, transit authority, or non-profit (See Section III.A)" are specifically not of interest.

Amendment 000003 - Extend the Concept Paper Submission Deadline from June 19, 2024 at 5:00PM ET to June 20, 2024 at 5:00PM ET in observance of the Juneteenth National Independence Day Federal Holiday.

Amendment 000004 - Extend the following deadlines: Submission Deadline for Full Applications, Expected Submission Deadline for Replies to Reviewer Comments, Expected Date for EERE Selection Notifications, and Expected Timeframe for Award Negotiations. Section II.A.i. Update Anticipated Period of Performance for Topic Areas 1 and 2 (Phase 1). Section IV.D.xvi.

NOTE: in response to recent SAM.gov registration questions, see the clarification at the bottom of this description.
DE-FOA-0003072: WASTE: Waste Analysis and Strategies for Transportation End-uses

The research and development (R&D) activities to be funded under this FOA will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. Specifically, this FOA will aid communities with resource and energy recovery strategies associated with their organic waste streams. Organic waste streams represent major sources of fugitive methane emissions, volatile organic compounds, and other pollutants. The White House set a goal of reducing methane emissions by 30% by 2030. By developing strategies that can prevent the landfilling of these wastes, one of the major sources of fugitive methane can be mitigated. Holistic waste management strategies can also benefit communities by reducing other impacts associated with waste collection and processing infrastructure including reducing truck traffic, odors, litter, and other air, water, and health impacts.

Topic Area 1 is focused specifically on helping communities beyond a conceptualization phase by supporting more in-depth feasibility or scoping analysis. Oftentimes, staff and organizational capacity in communities (particularly in rural, remote, Tribal, or smaller communities) is limited. While technical assistance programs can accomplish some of these objectives, direct financial assistance can close this capacity gap.

Topic Area 2 is targeted towards communities that have previously completed feasibility analysis and are seeking funding to further refine their project concept. Municipal and non-profit staff capacity and availability of funding often makes detailed design work out of reach for many communities and this topic aims to close that gap. Projects selected under Topic Area 2 will have an opportunity to construct and operate their designed pilot facility based on the down-select process described in the FOA.

Questions regarding the FOA must be submitted to FY24WASTEFOA@ee.doe.gov.

Note: DE-FOA-0003072 is a competitive solicitation and private discussions, while the announcement is open, are prohibited. All questions regarding this FOA must be submitted via email to FY24WASTEFOA@ee.doe.gov no later than three business days prior to the application due date. All questions and answers related to this FOA will be posted in EERE eXCHANGE under DOCUMENTS for DE-FOA-0003072.

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants. Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

Please see the full FOA in the DOCUMENTS section below.

Clarification about SAM.gov requirements: The prime applicant may submit a concept paper prior to completion of the SAM.gov registration. This FOA does not require a UEI number to be included with the concept paper and may require a UEI registration at the time of full application submission. Applicants are strongly encouraged to complete the SAM registration prior to submitting a full application. If selected for an award, as stated in Section IV.G. of the FOA "DOE may not make a federal award to an applicant until the applicant has complied with all applicable UEI and SAM requirements. If an applicant has not fully complied with the requirements by the time DOE is ready to make a federal award, DOE will determine that the applicant is not qualified to receive a federal award and use that determination as a basis for making a federal award to another applicant."

DOCUMENTS

- [Amendment 000004 - DE-FOA-0003072 WASTE: Waste Analysis and Strategies for Transportation End-uses FOA](#) (Last Updated: 7/18/2024 03:04 PM ET)
- [DE-FOA-0003072 Question and Answer Log](#) (Last Updated: 9/5/2024 12:14 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

An **informational webinar** was held on May 10, 2024. There were no particular advantages or disadvantages to the application evaluation process with respect to participating in the webinar; participation was completely voluntary.

The slide presentation and transcript are available below; the video is available at

<https://youtu.be/sSFOq13TnTE>

- [Informational Webinar: slide presentation](#) (Last Updated: 5/15/2024 04:24 PM ET)
- [Informational Webinar: transcript](#) (Last Updated: 5/15/2024 04:27 PM ET)

CONTACT INFORMATION

- FY24WASTEFOA@ee.doe.gov FY24 WASTE FOA
- EERE-ExchangeSupport@hq.doe.gov EERE Exchange Support
- ExchangeHelp@hq.doe.gov EERE Exchange Help

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 6/20/2024 5:00 PM ET
- Full Application Submission Deadline: 9/9/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 10/3/2024 5:00 PM ET – 10/8/2024 5:00 PM ET

E-FOA-0003372: EERE WIDE JOINT NOI FOR FIELD VALIDATION FOAS

The Funding Opportunity Announcement's (FOA) will be issued by the Solar Energy Technologies Office (SETO), the Building Technologies Office (BTO), and the Vehicle Technologies Office (VTO), in collaboration with the Geothermal Technologies Office, the Industrial Efficiency and Decarbonization Office, and the Office of Electricity to equitably address grid edge challenges.

It is anticipated that the FOAs under this Notice of Intent (NOI) will be released individually and may include the following areas of interest:

SETO Funding Opportunity Announcement No. DE-FOA-0003331 (STRIVES) to develop and demonstrate technology and market tools for better integration of distributed energy resources including solar, wind, and energy storage.

BTO Funding Opportunity Announcement No. DE-FOA-0003136 (Connected Communities) to equitably advance grid-edge solutions for resilient, decarbonized communities including an emphasis on affordable housing communities that have limited availability of distribution capacity for transportation and building electrification.

VTO Funding Opportunity Announcement No. DE-FOA-0003344 (SuperTruck Charge) will demonstrate concepts for managed charging at truck depots/hubs and truck stops that alleviate grid capacity challenges.

This notice of intent (NOI) is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

- [DE-FOA-0003372 - EERE Wide Joint NOI for Field Validation FOAs](#) (Last Updated: 4/24/2024 12:57 PM ET)

CONTACT INFORMATION

- ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0003352: NOTICE OF INTENT TO ISSUE SUPERTRUCK CHARGE FOA

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Vehicle Technologies Office (VTO), a Funding Opportunity Announcement (FOA) entitled "SuperTruck Charge".

DOCUMENTS

- [SuperTruck_Charge_NOI_v6_final](#) (Last Updated: 4/19/2024 03:10 PM ET)

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

TPL-0000050: OFFSHORE WIND NATIONAL AND REGIONAL RESEARCH AND DEVELOPMENT TEAMING PARTNER LIST

This is the teaming partner list for **DE-FOA-0003334**, Offshore Wind National and Regional Research and Development FOA.

DOE is also compiling a Teaming Partner List to facilitate the formation of project teams for this anticipated FOA. The Teaming Partner List allows organizations that may wish to participate on a project to express their interest to other applicants and to explore potential partnerships.

The Teaming Partner List will be available on EERE eXCHANGE and will be regularly updated to reflect new teaming partners who provide their organization's information.

DOCUMENTS

- [EERE_T_540.116_Notice_of_Intent_EE003345_4.15](#) (Last Updated: 4/23/2024 03:25 PM ET)

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003345: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0003334 OFFSHORE WIND NATIONAL AND REGIONAL RESEARCH AND DEVELOPMENT

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Wind Energy Technologies Office (WETO), a Funding Opportunity Announcement (FOA) entitled "Offshore Wind National and Regional Research and Development."

The goal of this FOA is to address several major areas of need for offshore wind. Specifically, WETO intends to address offshore wind research priorities for floating offshore wind systems and fixed-bottom offshore wind foundations, develop technologies to monitor birds and bats offshore, connect domestic manufacturing and supply chain assets to the U.S. and global offshore wind development pipeline, create a

university-led center of excellence for floating offshore wind and advance offshore wind turbine lighting protection. This FOA may target technologies, education, and supply chains with applicability to offshore wind energy deployments in all regions of U.S. waters including the Atlantic Ocean, Pacific Ocean, Great Lakes, and the Gulf of Mexico.

It is anticipated that the FOA may include the following Topic Areas:

1. Floating Offshore Wind Platform Research and Development
2. Alternative Fixed-Bottom Offshore Wind Foundation Types and Installation Techniques
3. Technology Advancement for Bird and Bat Research Offshore
4. Development of a Manufacturing and Supply Chain Offshore Wind Consortium based in the Great Lakes Region
5. Floating Offshore Wind Center of Excellence
6. Protecting the Future Offshore Wind Fleet against Lightning

This notice of intent (NOI) is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All of the information contained in this Notice is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

- [NOI: WETO FY24 Offshore Wind National and Regional Research and Development Priorities](#) (Last Updated: 4/23/2024 12:22 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
EERE-Exchange Support Helpdesk

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003315: REQUEST FOR INFORMATION: U.S. DOMESTIC WIND TURBINE BLADE MANUFACTURING INNOVATION

The purpose of this RFI is to solicit feedback from industry, academia, research laboratories, government agencies, and other stakeholders on issues related to U.S domestic wind turbine blade manufacturing. EERE is specifically interested in information on current domestic blade manufacturing challenges, future domestic blade manufacturing needs, workforce, and stakeholder strategy development. This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

Please see the full RFI document in the Documents section below.

This is an RFI only. DOE will not pay for information provided under this RFI and no project will be supported as a result of this RFI. This RFI is not accepting applications for financial assistance or financial incentives. DOE may or may not issue a Funding Opportunity Announcement (FOA) based on consideration of the input received from this RFI.

DOCUMENTS

- [DE-FOA-0003315_Request_for_Information_\(RFI\)_WETO Blade Innovation](#) (Last Updated: 4/23/2024 01:10 PM ET)

CONTACT INFORMATION

- WindEnergyRFI@ee.doe.gov
For responses to this Request for Information.
- ExchangeHelp@hq.doe.gov
For questions related to the use of the EERE-Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TPL-0000047: TEAMING PARTNER LIST FOR JOINT OFFICE OF ENERGY AND TRANSPORTATION: COMMUNITIES TAKING CHARGE ACCELERATOR FOA DE-FOA-0003214

CONTACT INFORMATION

- FOA3214@netl.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003214: BIPARTISAN INFRASTRUCTURE LAW (BIL) – JOINT OFFICE OF ENERGY AND TRANSPORTATION: COMMUNITIES TAKING CHARGE ACCELERATOR, FISCAL YEAR 2024 FUNDING OPPORTUNITY ANNOUNCEMENT

Amendment 000001: The purpose of this amendment is the following: To update Section I.B with clarification examples in Topic 3; to update Section II.A.i to accurately reflect Topic Area titles in the estimated funding table; to update Section IV.D.ix Summary for Public Release with additional and revised requirements; and to update the Table of Contents accordingly.

The Joint Office of Energy and Transportation (Joint Office), through the U.S. Department of Energy Office of Energy Efficiency and Renewable Energy (EERE), is issuing a Funding Opportunity Announcement (FOA) entitled "*Bipartisan Infrastructure Law (BIL) – Joint Office of Energy and Transportation: Communities Taking Charge Accelerator, Fiscal Year 2024 Funding Opportunity Announcement*". Awards made under this FOA will be funded, in whole or in part, with funds appropriated by the Infrastructure Investment and Jobs Act, more commonly known as the Bipartisan Infrastructure Law (BIL).

The Communities Taking Charge Accelerator FOA seeks applications that will help further the Joint Office's vision of a future where everyone can ride and drive electric. This FOA will fund innovative approaches to expanding EV adoption and charging access, particularly at the local level in urbanized areas where land use, density, car ownership rates, grid considerations, and other factors add further complexities to electrifying the transportation network while the demand for transportation access is at its highest density.

Please visit <https://driveelectric.gov/communities-taking-charge> for first-time applicant resources as well as additional information.

DOCUMENTS

- [DE-FOA-0003214_Communities_Taking_Charge_Accelerator_Amendment_000001](#) (Last Updated: 7/1/2024 11:54 AM ET)
- [DE-FOA-0003214_Q&A](#) (Last Updated: 7/11/2024 04:21 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- FOA3214@netl.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 5/20/2024 5:00 PM ET
- Full Application Submission Deadline: 7/16/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 8/27/2024 5:00 PM ET – 8/30/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003328: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0003329 SMART MANUFACTURING

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Advanced Materials and Manufacturing Technologies Office (AMMTO), a Funding Opportunity Announcement (FOA) entitled "Smart Manufacturing Technologies for Material and Process Innovation."

This FOA will support the research, development and demonstration (RD&D) of smart manufacturing technologies that can contribute to a resilient, responsive, leading-edge and efficient manufacturing sector that delivers the technologies needed for the nation's clean energy transition. Smart manufacturing can help the manufacturing community reduce manufacturing costs and accelerate time-to-market by illuminating the connection between in-process manufacturing data and ultimate performance characteristics of final products.

It is anticipated that this FOA may include the following Areas of Interest:

- Area of Interest 1: Smart Manufacturing for a Circular Economy
- Area of Interest 2: Smart Manufacturing for Tooling and Equipment
- Area of Interest 3: Smart Manufacturing for High Performance Materials
- Area of Interest 4: Smart Technologies for Sustainable and Competitive US Mining

This notice of intent (NOI) is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

- [Notice of Intent - DE-FOA-0003328 Smart Manufacturing](#) (Last Updated: 4/12/2024 10:55 AM ET)

CONTACT INFORMATION

- ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-LC-000L120: DATA, ANALYSIS, AND MODELING TOOLS LAB CALL

This lab call will support the prioritization of AMMTO investments and programs through data collection, analysis of this data, and development of tools using this data. Data collection will focus on current market and technology landscapes, as well as historical impacts of

investments. This will enable AMMTO and its stakeholders to better understand the current needs for technologies associated with the topic areas below and better direct RD&D funds to maximize beneficial impacts. The analyses of these data will enable AMMTO and its stakeholders to better understand the risks and impacts associated with new technologies, helping to focus research efforts on the most impactful options. The development of models that formalize and automate these analyses will establish frameworks that AMMTO and its stakeholders can leverage in the future as additional technologies related to the topics of this lab call are considered for investment. Finally, this lab call will develop systems of tools that inform actions to accelerate commercialization, increase circularity, and/or increase resilience in the supply chain.

DOCUMENTS

- [AMMTO_FY24_Analysis_Lab_Call](#) (Last Updated: 4/10/2024 12:29 PM ET)
- [AMMTO_Analysis_LC_QandA_Spreadsheet_6-7-24](#) (Last Updated: 6/7/2024 01:44 PM ET)

CONTACT INFORMATION

- ammto.analysislabcall@ee.doe.gov
For questions related to the content of the Lab Call.
- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: 6/11/2024 5:00 PM ET

DE-FOA-0003274: MACRO - MIXED ALGAE CONVERSION RESEARCH OPPORTUNITY

Amendment 000001 - Extending the Full Application Submission Deadline to July 18, 2024, updating Expected Date for DOE Selection Notifications, and updating the Expected Timeframe for Award Negotiations. Additionally, the expected number of awards in Topic Area 1 has been updated.

Building a clean and equitable energy economy and addressing the climate crisis is a top priority of the Biden Administration. This FOA will advance the Biden Administration's goals to deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050 to the benefit of all Americans. This FOA is funded by two Department of Energy (DOE) offices: the Office of Energy Efficiency and Renewable Energy's (EERE) Bioenergy Technologies Office (BETO) and the Office of Fossil Energy and Carbon Management's (FECM) Carbon Conversion Program.

BETO's primary focus is on developing technologies that convert domestic biomass and/or waste resources to affordable biofuels and bioproducts that significantly reduce carbon emissions on a life-cycle basis as compared to equivalent petroleum-based products. These bioenergy technologies can enable a transition to a clean energy economy, create high-quality jobs, support rural economies, and spur innovation in renewable energy and chemicals production. The activities funded by BETO through this funding opportunity will mobilize public clean energy investment by addressing research and development (R&D) challenges in the conversion of various seaweeds and blends of seaweeds (with wet waste feedstocks such as waste microalgae) to low-carbon fuels and chemicals. These activities can also help develop solutions for communities that are affected by harmful algal blooms to reduce the costs associated with managing these wastes.

The priority of FECM's Carbon Conversion Program is to develop multiple pathways by which captured and concentrated carbon dioxide (CO₂) is converted into economically viable and environmentally sustainable products. The near-term objective of this program's R&D is to accelerate deployment of carbon management technologies through the conversion of CO₂ into value-added products. Under this FOA, applications are sought that use anthropogenic carbon dioxide emissions in the cultivation process and then convert macro and/or micro algae into low carbon products. Conversion for agricultural products such as animal feed are of particular interest.

Algae is a promising type of renewable biomass-based feedstock with the potential to contribute to BETO's and FECM's missions and help meet the aggressive clean energy goals being pursued by DOE. For purposes of this FOA, "algae" includes microalgae, cyanobacteria, and macroalgae (also referred to as seaweed). All types of algae may be of interest to this FOA, subject to the topic-specific requirements described in each Topic Area.

- Topic Area 1: Conversion of Seaweeds to Low-Carbon Fuels and Bioproducts
- Topic Area 2: Conversion of Algal Biomass for Low-Carbon Agricultural Bioproducts

Questions regarding the FOA must be submitted to MacroFOA@ee.doe.gov.

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

Please view the full FOA in the DOCUMENTS section below.

The required Concept Paper due date for this FOA is 05/10/2024 at 5PM ET. The Full Application due date for this FOA is 6/27/2024 at 5PM ET.

DOCUMENTS

- [Amendment 000001 - DE-FOA-0003274 - MACRO - Mixed Algae Conversion Research Opportunity](#) (Last Updated: 5/30/2024 03:51 PM ET)
- [DE-FOA-0003274 Question and Answer Log](#) (Last Updated: 7/18/2024 02:20 PM ET)
- [DE-FOA-0003274 MACRO FOA Informational Webinar 4-17-2024](#) (Last Updated: 5/7/2024 05:06 PM ET)
- [MACRO Mixed Algae Conversion Research Opportunity FOA Webinar transcript](#) (Last Updated: 5/7/2024 05:11 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

An informational webinar will be held on April 17, 2024 at 1pm ET.

The webinar registration page will be found at:
<https://www.energy.gov/eere/bioenergy/bioenergy-technologies-office-funding-opportunities>

A recording of the Webinar is available at the following link. <https://youtu.be/fLDpwMnp5uQ>

CONTACT INFORMATION

- MacroFOA@ee.doe.gov
- EERE-ExchangeSupport@hq.doe.gov

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 5/10/2024 5:00 PM ET
- Full Application Submission Deadline: 7/18/2024 5:00 PM ET

TPL-000048: TEAMING PARTNER LIST FOR DE-FOA-0003269, "CONCENTRATING SOLAR FLUX TO HEAT AND POWER"

i. Topic Area 1: Scalable Concentrating Solar Collectors

This topic area solicits innovations to decrease the installed costs of solar collectors to \$50/m² with high reliability and efficiency over a 30-year lifetime. Heliostat systems, line-focusing collectors, and other novel collector forms are of interest.

Areas of Interest

Areas of interest include, but are not limited to:

- Advanced manufacturing
- Automated robotic installation
- Communication and control systems
- Structures and facets
- Solar field analysis tools and standards
- Anti-soiling and cleaning technologies
- Wind and weather impact

ii. Topic Area 2: Scalable Supercritical Carbon Dioxide (sCO₂) Turbomachinery

SETO solicits proposals for RD&D to enable the deployment of sCO₂ turbomachinery for advanced CSP systems. Multiple heat engine and heat pump cycles are of interest to enable cost-effective CST plants coupled with thermal energy storage.

iii. Topic Area 3: Scalable Concentrating Solar-thermal Receivers and Reactors

This topic solicits proposals for novel solar receivers, solar reactors, and improvements to existing solar receiver concepts. Successful receiver or reactor technologies will support the deployment of CST systems that can impact the U.S. market. Targeted outcomes include:

- Development of a complete receiver subsystem with ≥10 MW_{th} capacity and ≥750 °C outlet temperature that can be integrated and tested with a ≥10 MW_e sCO₂ power cycle.
- Development of a ≥1 MW_{th} reactor archetype that integrates solar thermal energy with industrial production of chemicals, cement, or minerals. Testing and integration of solar steam or heat with the product of industrial products for scaled up reactor use.
- Enabling near-term cost, reliability, and performance improvements of commercial CST receivers.
- De-risking receiver or reactor concepts to enable novel CST systems which can achieve broad commercial deployment.

CONTACT INFORMATION

- SETO.FOA.CSP@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003269: CONCENTRATING SOLAR FLUX TO HEAT AND POWER

DE-FOA-0003269 Modification (0003) extends the Full Application Deadline on the Cover Page.

DE-FOA-0003269 Modification (00002) includes clarification of SOPO page limit on page 57.

DE-FOA-0003269 Modification (000001) includes the addition of Section IV.A.ii (Applicant Education Services).

SETO's efforts are part of a multiyear, multiprong strategy that is guided by the Industrial Heat Shot, 15 a DOE-wide initiative to develop cost-competitive industrial heat decarbonization technologies with at least 85% lower greenhouse gas (GHG) emissions compared to 2020

emissions by 2035. To this end, the FOA titled Concentrating Solar Flux to Heat and Power supports this initiative and is composed of three different topic areas as noted below:

Topic Area 1: Scalable Concentrating Solar Collectors

Topic Area 2: Scalable Supercritical Carbon Dioxide (sCO₂)

Topic Area 3: Scalable Concentrating Solar-thermal Receivers and Reactors

DOE is compiling a Teaming Partner List to facilitate the formation of project teams for this FOA. The Teaming Partner List allows organizations that may wish to participate on a project to express their interest to other applicants and explore potential partnerships.

The Teaming Partner List will be available on EERE eXCHANGE and will be regularly updated to reflect new teaming partners who provide their organization's information.

SUBMISSION INSTRUCTIONS: View the Teaming Partner List by visiting the EERE eXCHANGE homepage and clicking on "Teaming Partners" within the left-hand navigation pane. This page allows users to view published Teaming Partner Lists. To join the Teaming Partner List, submit a request within eXCHANGE. Select the appropriate Teaming Partner List from the drop-down menu and fill in the following information: Investigator Name, Organization Name, Organization Type, Topic Area, Background and Capabilities, Website, Contact Address, Contact Email, and Contact Phone.

DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are identifying themselves for placement on this Teaming Partner List. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

DOCUMENTS

- [CSP_2024_FOA_2024-0104_DE-FOA-0003269-MOD-000003](#) (Last Updated: 8/14/2024 02:30 PM ET)
- [Q&A for FOA-0003269 Concentrating Solar Flux to Heat and Power as of 8 12 2024](#) (Last Updated: 8/12/2024 12:45 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- EERE-eXCHANGESupport@hq.doe.gov
- SETQ.FOA.CSP@ee.doe.gov

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 5/16/2024 5:00 PM ET
- Full Application Submission Deadline: 8/16/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 9/16/2024 5:00 PM ET – 9/20/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

TPL-0000049: TEAMING PARTNER LIST FOR DE-FOA-0003246 SOLAR AND WIND INTERCONNECTION FOR FUTURE TRANSMISSION (SWIFTR)

This teaming partner list is for DE-FOA-0003246, Solar and Wind Interconnection for Future Transmission (SWIFTR).

A teaming partner list may be used to facilitate the formation of new project teams for the announcement/topic area. The list allows organizations to express their interest and to explore potential partnerships, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); and partnerships with Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or tribal nations.

DOCUMENTS

- [3246 - i2X - SWIFTR - Topic Information](#) (Last Updated: 4/2/2024 01:40 PM ET)

CONTACT INFORMATION

- i2X-FOA@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003327: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0003323 - WATER POWER INNOVATION NETWORK

The U.S. Department of Energy (DOE)'s Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Water Power Technologies Office (WPTO), a Funding Opportunity Announcement (FOA) entitled "Water Power Innovation Network".

This FOA supports programs that enable entrepreneurship and accelerate water power innovation, business creation, and growth in communities and regions throughout the U.S. Through this FOA, new and/or expanded incubators and accelerators in water power will be able to collaborate with one another and build a stronger water power innovation network in support of accelerating water power technologies to market.

This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All of the information contained in this Notice is subject to change. EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions.

DOCUMENTS

- [DE-FOA-0003327 Notice of Intent](#) (Last Updated: 3/27/2024 04:26 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov EERE Helpdesk

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TPL-000046: AERODYNAMICS FOR OFFSHORE WIND PERFORMANCE AND RELIABILITY

This Teaming Partner List is for DE-FOA-0003318

The intended FOA would seek applications to fill a critical void in the development of multi-megawatt wind turbines for offshore deployment. Modern offshore wind turbines are the largest rotating machines ever built by humankind. Existing aerodynamic design tools and analysis methods are not well validated for machines of this scale, placing the cost of development and performance expectations from these designs at significant risk. The FOA would support the necessary data and analysis to validate tools used in the design and development of large wind turbine rotors (>10MW) and facilitate the accelerated development and deployment of cost-effective, reliable offshore wind technology.

DOCUMENTS

- [DE-FOA-0003318 Notice of Intent NOI BIL 41007](#) (Last Updated: 3/22/2024 05:51 PM ET)

CONTACT INFORMATION

- eere-exchangesupport@hq.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003318: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT DE-FOA-0003183 BIPARTISAN INFRASTRUCTURE LAW (BIL), PROVISION 41007(B)(1), AERODYNAMICS FOR OFFSHORE WIND PERFORMANCE AND RELIABILITY

The U.S. Department of Energy (DOE) Office of Energy Efficiency & Renewable Energy (EERE) intends to issue, on behalf of the Wind Energy Technologies Office (WETO), a Funding Opportunity Announcement (FOA) DE-FOA-0003183 entitled "Bipartisan Infrastructure Law (BIL), Provision 41007(b)(1), Aerodynamics for Offshore Wind Performance and Reliability".

The intended FOA would seek applications to fill a critical void in the development of multi-megawatt wind turbines for offshore deployment. Modern offshore wind turbines are the largest rotating machines ever built by humankind. Existing aerodynamic design tools and analysis methods are not well validated for machines of this scale, placing the cost of development and performance expectations from these designs at significant risk. The FOA would support the necessary data and analysis to validate tools used in the design and development of large wind turbine rotors (>10MW) and facilitate the accelerated development and deployment of cost-effective, reliable offshore wind technology.

This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All the information contained in this Notice is subject to change. EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions.

DOCUMENTS

- [DE-FOA-0003318 Notice of Intent NOI BIL 41007](#) (Last Updated: 3/20/2024 01:35 PM ET)

CONTACT INFORMATION

- eere-exchangesupport@hq.doe.gov EERE Helpdesk

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

TPL-000045: TEAMING PARTNER LIST FOR DE-FOA-0003225 FY24 BIL CODES RECI2 FOA

This Teaming Partner List is for DE-FOA-0003225 Bipartisan Infrastructure Law: Resilient and Efficient Codes Implementation (RECI#2) FOA.

A teaming partner list may be used to facilitate the formation of new project teams for the announcement/topic area. The list allows organizations to express their interest and to explore potential partnerships, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); and partnerships with Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or tribal nations.

CONTACT INFORMATION

- RECI_FOA@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-LC-000L116: FY24 FALL ENERGY I-CORPS LAB CALL

The Office of Technology Transitions (OTT) is issuing this lab call to solicit proposals for the Energy I-Corps (EIC) program. The goal of EIC is to train researchers at DOE National Laboratories, and DOE plants, and sites to identify market pathways for their technology. This call solicits proposals from DOE National Laboratory, plant, and site technology transfer offices to participate in EIC, for researchers to develop skills in commercialization, and to investigate the market potential for DOE-funded technologies at a critical juncture on the path toward commercialization.

OTT expects to award up to \$350K across Topics 1 and 3 in this instance of the EIC lab call. However, additional funding may be available based on proposals' alignment with DOE program office goals. Individual DOE program offices and partner agencies, including OTT, will review and assess relevant applications for possible selection and funding.

DOE expects to select EIC projects in the following three topics:

Topic 1: EIC Pipeline Development - This topic seeks proposals for projects and programming that have the potential to directly increase participation in EIC Training Cohorts (Topic 2) in future EIC lab calls. [Deadline - April 12, 2024: 3pm \(ET\)](#).

Topic 2: EIC Training Cohort (Cohort 19) - This topic seeks team applications to participate in EIC Cohort 19. Selected teams of researchers will participate in an intensive two-month, curriculum-based program to learn the principles of the business model canvas, define value proposition, and identify customer segments. Teams will develop hypotheses on these elements and interview at least 75 stakeholders as part of the customer discovery process to iterate on their business model canvas and to better understand the market's adoption readiness of the lab technology. Application *only for Topic 2* via MS Forms link: <https://forms.microsoft.com/g/9SrM9yGY2F>. [Deadline - April 12, 2024: 3pm ET](#)

Topic 3: Post EIC - This Topic is an opportunity to continue advancing EIC Topic 2 technologies toward commercialization. The technology must 1) be from a DOE Laboratory or DOE plant or site AND 2) have gone through either EIC Training Cohort (Topic 2) or the U.S. National Science Foundation's Innovation Corps. EIC Training Cohort graduates and non-graduates can apply to this topic. However, non-graduates are limited to individuals who are employed by or have a contractual relationship with a DOE National Lab, DOE plant or site (e.g. Technology Transfer Office personnel). [Deadline - April 12, 2024: 3pm \(ET\)](#).

DOCUMENTS

- [DE-LC-000L116_FY24_Fall_Energy_I-Corps_Lab_Call](#) (Last Updated: 3/19/2024 02:00 PM ET)
- [DE-LC-000L116_FY24_Fall_EIC_Lab_Call_Q&A_04_11_2024](#) (Last Updated: 4/11/2024 11:42 AM ET)

WEBINAR DETAILS

An informational webinar was hosted by OTT via Microsoft Teams on Tuesday, March 26, 2024, 12:00 p.m. (ET). Please see the informational webinar presentation slides in the webinar documents section.

- [EIC_FY24_Spring_Lab_Call_Informational_Webinar_03.26](#) (Last Updated: 3/26/2024 01:41 PM ET)

CONTACT INFORMATION

- energyicorps@hq.doe.gov
For questions related to the lab call or EIC program
- ERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the Exchange website

SUBMISSION DEADLINES

- Full Application Submission Deadline: 4/12/2024 3:00 PM ET

DE-FOA-0003246: SOLAR AND WIND INTERCONNECTION FOR FUTURE TRANSMISSION (SWIFTR)

Modification 000001: Submission deadline for full applications has been moved from 6/28 to 7/11. Deadline for replies to reviewer comments has been moved accordingly to 8/16. Expected date for selection notifications has been moved to 10/1 and timeframe for negotiations has been moved to October-December 2024.

This Funding Opportunity Announcement (FOA) is jointly issued by the U.S. Department of Energy Solar Energy Technologies Office (SETO) and Wind Energy Technologies Office (WETO) as part of their Interconnection Innovation Exchange (i2X) program¹ to support innovative work to enable simpler, faster, and fairer interconnection of clean energy resources while enhancing the reliability, resiliency, and security of our electrical grid.

The two FOA topic areas are as follows:

Topic Area 1: Improved Efficiency of EMT Simulations for Interconnection Studies of IBRs Projects in this topic area will seek to improve the efficiency of the interconnection study process for new IBRs, such as solar and wind plants and battery energy storage systems, by improving software tools to study plant dynamics to increase long-term plant reliability. Projects will achieve this both by improving the speed of advanced, high-fidelity EMT modeling and simulation tools used in power systems interconnection studies and by developing a better understanding of when such high-fidelity simulations are necessary in the interconnection process.

Topic Area 2: Dynamic Stability-Enhanced Network Assessment Tools Projects in this topic area will develop tools to provide stakeholders with data on transmission system characteristics related to stability, voltage, and grid strength while securing confidential and critical energy infrastructure information. Projects will establish the type of information required by stakeholders, develop a tool or tools, and test and evaluate those tools on at least one real transmission system.

Topic Area 1 is primarily focused on the improvement of software tools, methods, or processes used to conduct EMT studies, the results of which will inform the transmission system interconnection stakeholders in Topic Area 2. Projects in Topic Area 2 do not need to be focused solely on transmission system characteristics based on EMT studies.

DOCUMENTS

- [i2X SWIFTR FOA 3246.000001](#) (Last Updated: 6/3/2024 04:35 PM ET)
- [SWIFTR FOA Q&A Spreadsheet 10-7-2024](#) (Last Updated: 10/29/2024 03:14 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- i2x-foa@ee.doe.gov
For questions related to the content of the FOA.
- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 4/17/2024 5:00 PM ET
- Full Application Submission Deadline: 7/11/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 8/19/2024 8:00 AM ET – 8/25/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-LC-0000112: FY24 WPTO HYDROPOWER LAB CALL

The research and development (R&D) activities to be funded under this lab call will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. Specifically, this lab call will enable innovation in research areas aligned to the WPTO Hydropower Program. In addition, this lab call will emphasize increasing diversity of research staff, increasing diversity of voices in research design, and or increasing quantification and emphasis on supporting underserved communities

This lab call solicits proposals in seven topics that cover three of the five core activity areas in the Hydropower Program, including one program-wide topic supporting the Federal Hydropower Memorandum of Understanding (MOU) and DOE's MOU with the Tennessee Valley Authority.

The three Hydropower Program activity areas and their supporting topics are:

[HydroWIRES \(Water Innovation for Resilient Electricity System\) Activity Area \(4 topics\)](#)

Topic 1: Modeling Gaps

In partnership with Western Electricity Coordinating Council (WECC), an ongoing HydroWIRES Modeling Gaps project is focusing on developing new models and implementing them with the goal of creating public tools to include robust and updated scenarios for utility planning. Previous work identified seven top modeling gaps to representation of hydropower in power system models. This topic solicits proposals that focus on continued partnership with WECC model users and other practitioners to improve hydro generation representation in power system studies for operation and planning.

Topic 2: Future Grid Strength

HydroWIRES work has highlighted the role of hydropower in providing primary frequency response, ramping, and other benefits during contingency events. While previous studies have offered valuable anecdotes and modeling frameworks, a more comprehensive look at the unique benefits of hydropower at the timescales of grid stability has not been developed yet. This topic solicits proposals that will be comprehensive, national-scale modeling efforts (but with regional insight) that address the unique benefits of hydropower at the timescales of grid stability.

Topic 3: US-Norway Collaboration

Norway is a world leader in hydropower technology, operations, and modeling, which inspired a 2020 US-Norway MOU and international research summit. As HydroCen, the flagship Norwegian research consortium under which these projects were started, concludes, there are new Norwegian and/or European initiatives being launched with similar research themes that may lead to new fruitful international collaborations. This topic solicits new research projects aligned with the HydroWIREs roadmap that are not captured in the existing portfolio or other topics in this call, which are performed in collaboration with Norwegian researchers and/or partners.

Topic 4: Open Topic

This open topic solicits new ideas not captured in the existing HydroWIREs portfolio. Proposals should clearly further the goals of HydroWIREs as described in the research roadmap, and the application should explain how they do this. Collaborations with industry or other external entities outside the labs to co-design, validate, and implement National Lab results are highly encouraged.

Hydrologic Systems Science Activity Area (1 topic):

Topic 5: Extreme Weather and Climate Events:

Extreme events can have devastating effects on the country's infrastructure, including power generation facilities, and climate change is only increasing the intensity and frequency of extreme events like heat waves, droughts, wildfires, hurricanes, inland flooding, and heavy precipitation. This topic solicits new research projects addressing extreme weather and climate events and their effects on hydropower infrastructure, operation, and planning. Proposals of interest will focus on one or more of the following: event classification, modeling, impact quantification, and mitigation and resilience strategies.

Fleet Modernization, Maintenance, & Cybersecurity Activity Area (1 topic):

Topic 6: Smart Maintenance Implementation Assistance

Traditionally, hydropower owners and operators' maintenance programs have followed prescriptive, time-based maintenance and inspection programs. These programs may lose asset value by conducting maintenance earlier than needed or may not properly adapt to changing operating conditions (e.g., due to increased need for turbine flexibility) leading to increased failure rates. Predictive maintenance mitigates these challenges by using instrumentation, modeling, and data analytics to understand the remaining useful life and failure probabilities of an asset in real time. This topic solicits projects that accelerate the transition to smart maintenance methodologies by streamlining the implementation of new and existing maintenance analytics resources at existing hydropower facilities through programmatic assistance to hydropower asset owners and operators.

The one Hydropower Program-wide topic is:

Topic 7: Federal Hydropower MOU

Federally owned hydropower represents approximately half of the U.S. hydropower nameplate capacity, including many of the largest facilities in the fleet. Maintaining and modernizing this federal fleet requires significant investment and coordination. WPTO supports this coordination through two Memorandums of Understanding (MOU):

This pilot effort topic solicits "quick win" collaborative projects that minimize bandwidth required and solve targeted challenges within the federal hydro fleet.

DOCUMENTS

- [WPTO_FY24_Hydropower_Lab_Call](#) (Last Updated: 5/9/2024 10:04 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- hydropowerrequestforinnovation@ee.doe.gov
For Questions related to the content of the Lab Call, please reference the Lab Call number and Topic/Subtopic number and title in the email subject line.
- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 4/2/2024 3:00 AM ET
- Full Application Submission Deadline: 6/6/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 7/10/2024 5:00 PM ET – 7/17/2024 5:00 PM ET

DE-FOA-0003225: BIPARTISAN INFRASTRUCTURE LAW (BIL): RESILIENT AND EFFICIENT CODES IMPLEMENTATION (RECI)

Modification 0001 - DOE is amending this FOA to update the Replies to Reviewer Comments deadline, update the Expected Date for DOE Selection Notifications, and update the Expected Timeframe for Award Negotiations. See the modification table in the FOA document for full details of the modification.

The U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) Building Technologies Office (BTO) is issuing this Funding Opportunity Announcement (FOA) titled Bipartisan Infrastructure Law (BIL): Resilient and Efficient Codes Implementation (RECI). The current FOA represents the second installment in the RECI initiative, which maintains the same broad format, flexibility, and crosscutting areas of interest, while emphasizing and prioritizing specific gaps, needs, and opportunities to support building energy codes identified as focal points through the first RECI FOA and continued stakeholder engagement.

The activities to be funded under the FOA support the BIL, as well as a broader government-wide approach to advance building codes and support their successful implementation. The primary focus centers around updating to more efficient building energy codes that save money for American homes and businesses, reduce greenhouse gas (GHG) emissions, and encourage more resilient buildings.

This FOA includes one topic area broadly focused on the cost-effective implementation of updated energy codes.

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

DOCUMENTS

- [RECI Teaming Partner List](#) (Last Updated: 3/14/2024 11:20 PM ET)
- [DE-FOA-0003225_FY24_BIL_CODES_RECI2_FOA_MOD0001](#) (Last Updated: 6/3/2024 05:08 PM ET)
- [DE-FOA-0003225 - QA Spreadsheet BTO](#) (Last Updated: 7/8/2024 11:42 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- RECI_FOA@ee.doe.gov
- EERE-ExchangeSupport@hq.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 4/5/2024 5:00 PM ET
- Full Application Submission Deadline: 6/6/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 7/3/2024 1:00 PM ET – 7/9/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-LC-0000118: NATIONAL LABORATORY CALL FOR TECHNICAL ASSISTANCE WITH HYDROPOWER HYBRIDS AND PUMPED STORAGE HYDROPOWER

The research and development (R&D) activities to be funded under this call for proposals will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection.

Specifically, this call is organized as two separate topics (\$3.5M per topic), each with two subtopics. The duration of all awards will be 2-3 years and no more than half of the upper limit on funding per award may be requested in the first year. The topics are as follows:

Topic 1: Hydropower Hybrids

Topic 1A) Tool Use. This level of technical assistance will use the existing hydro hybrids tool to evaluate opportunities for hybridization, and will be most helpful for utilities and other entities considering hydropower hybrids but still at a relatively early stage of evaluating options.

Topic 1B) Deeper Dives. This level of technical assistance will use the existing hydro hybrids tool in combination with deeper custom modeling and analysis studies to evaluate hydropower hybrid opportunities. This level will be most appropriate for more entities with more specialized questions or who are more advanced in the investigation of a hybrid opportunity, such as having already identified and studied a site of interest.

Topic 2: Pumped Storage Hydropower Valuation

Topic 2A) Tool Use. This level of technical assistance will use the existing PSH valuation tool to evaluate opportunities for PSH development, and will be most helpful for developers, utilities, and other entities considering PSH but still at a relatively early stage of evaluating site options or investigating scenarios.

Topic 2B) Deeper Dives. This level of technical assistance will use the existing PSH valuation tool in combination with deeper custom modeling and analysis studies to evaluate PSH opportunities. This level will be most appropriate for more entities with more specialized questions or who are more advanced in the investigation of a PSH development opportunity, such as having already identified and studied a site of interest.

DOCUMENTS

- [WPTO_FY24_HydroWIRES_TA_Lab_call](#) (Last Updated: 5/9/2024 10:08 AM ET)

CONTACT INFORMATION

- HydropowerRequestForInnovation@ee.doe.gov
For Questions related to the content of the Lab Call, please reference the Lab Call number and Topic/Subtopic number and title in the email subject line.
- EERE-eXCHANGEsupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: 6/6/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 7/10/2024 5:00 PM ET – 7/17/2024 5:00 PM ET

DE-FOA-0003338: NOI: CONCENTRATING SOLAR FLUX TO HEAT AND POWER

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Solar Energy Technologies Office (SETO), a Funding Opportunity Announcement (FOA) titled "Concentrating Solar Flux to Heat and Power."

SETO anticipates that the FOA will seek RD&D projects in three topic areas. Technologies in each area may support a variety of concentrating solar-thermal (CST) forms including CSP, SIPH, and high-temperature solar-thermal reactors. Each topic area focuses on scaling and maturing impactful technologies for specified CST subsystems.

DOCUMENTS

- [DE-FOA-0003338 Notice of Intent \(NOI\)](#) (Last Updated: 2/26/2024 11:33 AM ET)

CONTACT INFORMATION

- EERE-eXCHANGESupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

TPL-0000038: TEAMING PARTNER LIST FOR DE-FOA-0003178 INFLATION REDUCTION ACT FUNDING FOR ADVANCED BIOFUELS

This teaming partner list is for DE-FOA-0003178, Inflation Reduction Act Funding for Advanced Biofuels.

A teaming partner list may be used to facilitate the formation of new project teams for the announcement. The list allows organizations to express their interest and to explore potential partnerships, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); and partnerships with Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or tribal nations.

A teaming partner list could also be used to help users build partnerships that could be needed for the application eligibility requirements.

DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are identifying themselves for placement on this Teaming Partner List. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

DOCUMENTS

- [Teaming Partner List TPL-0000038 for DE-FOA-0003178 Inflation Reduction Act Funding for Advanced Biofuels FOA](#) (Last Updated: 2/22/2024 01:34 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE-Exchange website.

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

DE-FOA-0003178: INFLATION REDUCTION ACT FUNDING FOR ADVANCED BIOFUELS FOA

Amendment 000001 - DOE is amending this FOA to extend the Full Application Submission Deadline, update the Replies to Reviewer Comments deadline, update the Expected Date for DOE Selection Notifications, and update the Expected Timeframe for Award Negotiations.

Inflation Reduction Act Funding for Advanced Biofuels FOA

DE-FOA-0003178

BETO's 2024 Systems Development and Integration (SDI) FOA is funded by the Inflation Reduction Act (IRA) of 2022. IRA Section 60108(b) authorized funds to the Environmental Protection Agency (EPA) for new grants to industry in advanced biofuels. EPA and DOE entered an Interagency Agreement to transfer the funds to DOE and allow DOE to manage a FOA with substantial involvement from EPA. The FOA's topic areas are of mutual interest for both the EPA's priority in the Renewable Fuel Standard (RFS) program and DOE BETO's priority in the

Sustainable Aviation Fuel (SAF) Grand Challenge as well as SDI's priority in supporting four demonstration-scale integrated biorefineries by 2030. For both topic areas of this FOA, the application must discuss how the proposed technology would meet the RFS definition of advanced biofuel, which means using allowable feedstocks, producing allowable fuel types, and with lifecycle greenhouse gas emissions reductions of at least 50% compared to petroleum baseline.

Building a clean and equitable energy economy and addressing the climate crisis is a top priority of the Biden Administration. This FOA will advance the Biden Administration's goals to deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050 to the benefit of all Americans. For over a decade, EPA's RFS program has helped develop the market for advanced biofuels, including the current production of billions of gallons of biomass-based diesel and renewable natural gas. These fuels reduce greenhouse gas emissions by at least 50% compared to the petroleum fuels they replace.

As shown in the RFS Program: Standards for 2023-2025 final rule, the RFS continues to expand by increasing renewable volume obligations, while monitoring how renewable fuel production impacts the environment, national energy security, national infrastructure, the cost of fuels to consumers, and the impacts on job creation, agricultural commodity prices and supplies, rural economic development, and food prices.

There is a need for more feedstocks and conversion technologies to enable more advanced biofuels with the lowest cost of production and the greatest reduction of greenhouse gas emissions. DOE is committed to pushing the frontiers of science and engineering, catalyzing clean energy jobs through research, development, demonstration, and deployment (RDD&D), and ensuring environmental justice and inclusion of underserved communities. This FOA will support the Biden Administration's action items to produce 3 billion gallons of sustainable aviation fuel (SAF) per year and reduce aviation emissions by 20% by 2030 towards unlocking the potential for a fully zero-carbon aviation sector by 2050.

This FOA also supports high-impact technology R&D to accelerate the bioeconomy. BETO is focusing on applied RD&D to improve the performance and reduce the cost of biofuel production technologies and scale-up production systems in partnership with industry. By reducing cost and technical risk, BETO can help pave the way for industry to deploy commercial-scale integrated biorefineries and reduce greenhouse gas emissions from hard-to-decarbonize sectors, such as the aviation industry. Additionally, this FOA will reduce risks in processing or co-processing biointermediates in legacy refinery infrastructure.

- Topic Area 1: Pre-pilot Scale-Up of Integrated Biorefinery Technologies
- Topic Area 2: Biointermediate Processing Toolbox

Questions regarding the FOA must be submitted to IRAAdvancedBiofuelsFOA@ee.doe.gov.

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

Please see the full FOA in the DOCUMENTS section below.

The required Concept Paper due date for this FOA is 03/22/2024 at 5PM ET. The Full Application due date for this FOA is 6/14/2024 at 5PM ET.

DOCUMENTS

- [DE-FOA-0003178 Inflation Reduction Act Funding for Advanced Biofuels FOA](#) (Last Updated: 4/26/2024 04:07 PM ET)
- [DE-FOA-0003178 Question and Answer Log](#) (Last Updated: 7/15/2024 08:44 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

An **informational webinar** was held on 03/04/2024 at 3:00 PM ET. The recorded webinar is available until April 4, 2024, at:

<https://www.youtube.com/watch?v=PCv0i-szlc0>

Please note, there are no particular advantages or disadvantages to the application evaluation process with respect to participating in the webinar. Your participation is completely voluntary.

- [DE-FOA-0003178 Informational Webinar Presentation](#) (Last Updated: 3/5/2024 01:24 PM ET)
- [DE-FOA-0003178 Webinar Transcript](#) (Last Updated: 3/7/2024 08:07 AM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
- IRAAdvancedBiofuelsFOA@ee.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 3/22/2024 5:00 PM ET
- Full Application Submission Deadline: 6/14/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

TPL-0000043: TEAMING PARTNER LIST FOR DE-FOA-0003250 FY 24 VTO TI FOA

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

TPL-0000044: TPL-0000044: TEAMING PARTNER LIST FOR FOA DE-FOA-0003274 MIXED ALGAE CONVERSION RESEARCH OPPORTUNITY (MACRO)

This teaming list is for FOA DE-FOA-0003274.

DOE is compiling a Teaming Partner List to facilitate the formation of new project teams for the FOA. All entities interested in participating as part of an applicant team can provide their contact information for the Teaming Partner List. The list allows organizations to express their interest and to explore potential partners.

- Updates to the Teaming Partner List will be available on the EERE eXCHANGE website. The Teaming Partner List will be regularly updated to reflect new teaming partners who have provided their organization's teaming partner information.
- SUBMISSION INSTRUCTIONS: Any organization that would like to be included on this list should submit their information to the Teaming Partner List via EERE eXCHANGE.
- DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are self-identifying themselves for placement on this Teaming Partner List. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

DOCUMENTS

- [Teaming Partner List TPL-0000044 for DE-FOA-0003274 Mixed Algae Conversion Research Opportunity \(MACRO\)](#) (Last Updated: 2/12/2024 05:46 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE-Exchange website.

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003276: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0003274: MIXED ALGAE CONVERSION RESEARCH OPPORTUNITY (MACRO)

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Bioenergy Technology Office (BETO) and the Office of Fossil Energy and Carbon Management (FECM), a Funding Opportunity Announcement (FOA) entitled MACRO: "Mixed Algae Conversion Research Opportunity".

If issued, this FOA will support BETO's research and development (R&D) priorities in the Conversion Technologies Program and FECM's R&D priorities in the Carbon Dioxide Conversion Program. BETO's Conversion Technologies Program supports R&D in technologies for converting biomass feedstocks into finished liquid transportation fuels—such as renewable gasoline, diesel, and jet fuel along with co-products or chemical intermediates. FECM's Carbon Dioxide Conversion Program invests in R&D of technologies that convert captured carbon dioxide (CO₂) into economically valuable products such as chemicals, fuels, building materials, plastics, and bioproducts.

The R&D activities to be funded under this FOA will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. A diverse range of feedstocks will be required to reach the Biden Administration's goals to "deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050."^[1]

Seaweeds, also known as macroalgae, represent a significant biomass resource potential of 3.3 billion dry metric tons that will be newly described in BETO's upcoming Billion Ton Report. Rapid growth of the seaweed cultivation industry, in part inspired by the DOE ARPA-E (Advanced Research Projects Agency – Energy) MARINER (Macroalgae Research Inspiring Novel Energy Resources) program efforts, has spurred new interest in working with seaweeds as a renewable biomass feedstock. Due to the expansion of domestic cultivation and the potential of seaweeds to contribute to DOE's mission areas, this announcement is the first time BETO and FECM have specifically called for research into converting seaweeds to fuels and products.

It is anticipated that the FOA may include the following Topic Areas:

Topic Area 1: Conversion of Seaweeds and Waste Algae to Low Carbon Fuels and Products

Topic Area 1 aims to address gaps in storage, mobilization, and conversion of seaweeds and other wet algal feedstocks to low-carbon products and enable these readily available feedstocks to access new markets. Applications would be sought that will develop laboratory or bench scale technologies and/or processes for utilizing: macroalgae (seaweeds); blends of macroalgae and wet wastes, and/or wet algal wastes for conversion to fuels and products with significant, on a national scale, potential to displace fossil greenhouse gas (GHG) emissions. Applications will be required to demonstrate that the utilization of these feedstocks to generate products at commercial scale has the potential of at least 50% GHG reductions compared to conventional fuel and/or products.

Topic Area 2: Conversion of Algal Biomass for Low Carbon Agricultural Products

The goal of Topic Area 2 is to utilize carbon dioxide emissions streams from utilities or industrial sources to grow algae for source material and create value-added products. Applications would be sought that use anthropogenic (e.g., fossil fuel derived) carbon dioxide emissions to be used in the algae cultivation process and then convert those macro- and/or micro algae into low-carbon agricultural applications or products such as animal feed. Applications will be encouraged to focus on optimization of the technologies and processes for the conversion of cultivated algae biomass to products and clearly describe the end use products targeted. Applications will be required to show a reduction in CO₂ emissions through life cycle analysis and demonstrate that the targeted products provide benefits compared to current, commercially available products. Applications proposing animal feed as products should describe requirements for necessary testing or demonstrations of the resulting product. Developing successful conversion technologies can further improve, the economics and carbon utilization efficiencies of these products, resulting in additional market share that encourages further algae biomass cultivation and carbon dioxide utilization.

Please note: If a FOA is published, DOE's government-owned, government-operated (GOGO) National Energy Technology Laboratory (NETL) will not be eligible for award under the FOA and may not be proposed as a Subrecipient on another entity's application. An application that includes NETL as a Prime Recipient or Subrecipient will be considered non-responsive. Additionally, DOE/NNSA and non-DOE/NNSA Federally Funded Research and Development Centers (FFRDCs) will be restricted from applying for funding as a Prime Recipient but are eligible to participate as a Subrecipient. The FFRDC effort, in aggregate, shall not exceed 50% of the total estimated cost of the project, including the applicant's and the FFRDC's portions of the effort.

This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All of the information contained in this Notice is subject to change. EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions.

EERE plans to issue the FOA in or around March 2024 via the EERE eXCHANGE website <https://eere-eXCHANGE.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in EERE eXCHANGE. When the FOA is released, applications will be accepted only through EERE eXCHANGE.

[1] Executive Order 14008, "Tackling the Climate Crisis at Home and Abroad," January 27, 2021.

DOCUMENTS

- [DE-FOA-0003276 Notice of Intent DE-FOA-0003274 Mixed Algae Conversion Research Opportunity \(MACRO\)](#) (Last Updated: 2/12/2024 11:49 AM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003250: FISCAL YEAR 2024 VTO TECHNOLOGY INTEGRATION (TI) FUNDING OPPORTUNITY ANNOUNCEMENT

This FOA seeks applications to address outreach, education, technical assistance, workforce training, and other innovative demonstration or deployment projects that advance the mission of an affordable, equitable, and decarbonized transportation system.

DOCUMENTS

- [DE-FOA-0003250_VTO-TI_FY24_FOA_FINAL](#) (Last Updated: 2/12/2024 08:22 AM ET)
- [DE-FOA-0003250_Q&A](#) (Last Updated: 4/30/2024 11:56 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- DE-FOA-0003250@netl.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 3/12/2024 5:00 PM ET
- Full Application Submission Deadline: 4/30/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003209: REGIONAL RESOURCE HUBS FOR PURPOSE-GROWN ENERGY CROPS

Amendment 000001 - The FOA has been amended in sections I.B. and Appendix H.

Significant RD&D is required to meet the goal of affordable, low-carbon intensity transportation fuels and chemical products. The RD&D activities to be funded under this FOA will support the government-wide approach to addressing the climate crisis by driving innovation and deployment of clean energy technologies.

The 2024 Regional Resource Hubs for Purpose-Grown Energy Crops FOA supports the focus of the BETO Renewable Carbon Resources Program in developing strategies and supporting technology development to reduce the cost, improve the quality, increase the quantity, and maximize the environmental benefits of using renewable carbon resources. The FOA addresses enabling the mobilization of low carbon intensity purpose-grown energy crops across varied agronomic and geographic landscapes through the generation of data and research findings. The FOA seeks applications that will support resource mobilization, including improvements to quality, yield, cost, mechanization of propagation/planting systems, pest management, carbon intensity reduction, ecosystem services, and more from the cultivation of purpose-grown energy crops. Data generated over the course of four to ten years will be used to improve modeling projections, adapt crops and/or crop management strategies to address varying climates, understand variations in soil and belowground carbon storage, quantify ecosystem services, and reduce the carbon intensity for specified purpose-grown energy crop systems. There is a single Topic Area in this FOA with four Subtopic Areas, each focusing on different feedstock categories.

The Topic Area in this FOA seeks to address the following R&D needs:

Topic Area 1: Purpose-Grown Energy Crops

The objective this Topic Area is to fund projects that will enable the mobilization of low carbon intensity purpose-grown energy crops across varied agronomic and geographic landscapes through the generation of data and research findings. Each application selected from this FOA will become a member of the larger Regional Biomass Resource Hub Initiative (RBRH) that will work together with BETO's established Regional Resource Hub Initiative Coordinator, Idaho National Laboratory (INL), to coordinate experimental plans, report data, and collectively achieve the FOA and Initiative objectives. Each submitted application must specify only one of the following Subtopic Areas.

Subtopic Area 1a. Algae

The objective of Subtopic Area 1a is to support projects that seek to cultivate and harvest as much algae from their given system(s) as possible each year for at least three years. The deliberate cultivation of algae with non-potable water, including all types of microalgae, cyanobacteria, and macroalgae, and algae grown to treat wastewaters is of interest.

Subtopic Area 1b: Herbaceous Energy Crops

Subtopic Area 1b is centered on enhancing the mobilization of low-carbon intensity herbaceous energy crops across varied agronomic landscapes. For the purposes of Subtopic Area 1b, "herbaceous energy crops" is defined as perennial plants and grasses that live for more than two years and are harvested annually after taking two to three years to reach full productivity. Examples of herbaceous energy crops include, but are not limited to, switchgrass, miscanthus, high-biomass sorghum, wheatgrass, and energycane.

Subtopic Area 1c: Intermediate Energy Crops

For the purposes of Subtopic Area 1c, "intermediate energy crops" are defined as crops planted between the harvest of a main crop and sowing of the next crop. Typically grown for environmental benefits such as increasing soil carbon or reducing nutrient leaching and soil erosion, intermediate energy crops have the additional potential to be harvested for conversion into low carbon intensity fuels and products.

Subtopic Area 1d: Short-Rotation Woody Crops

Subtopic Area 1d is focused on enhancing the mobilization of short-rotation woody crops across various geographic landscapes by performing regional field trials to examine long term yield and sustainability. For the purposes of Subtopic Area 1d, "short-rotation woody crops" is defined as fast-growing trees that are harvested within five to eight years of planting. Such trees include, but may not be limited to, species such as, hybrid poplar and shrub willow.

Please note: Due to INL's role as Initiative Coordinator and involvement in FOA strategy discussions, INL is not eligible to apply for funding as a Prime Recipient under the FOA and may not be proposed as a Subrecipient on another entity's application. Any application that includes INL as a Prime Recipient or Subrecipient will be deemed ineligible, non-responsive, and will not be further considered.

Please see the full FOA document in the Documents section below.

Questions regarding the FOA must be submitted to FY24RRHCropsFOA@ee.doe.gov.

The required Concept Paper due date for this FOA is 3/14/2024 at 5PM ET. The Full Application due date for this FOA is 06/13/2024 at 5PM ET.

As stated in the Notice of Intent (search DE-FOA-0003233 in XCHANGE), a Teaming Partner List has been compiled to encourage collaboration and facilitate the formation of new project teams. Visit: [TPL-0000037: Teaming Partner List for FOA DE-FOA-0003209 Regional Resource Hubs for Purpose-Grown Energy Crops](#).

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

DOCUMENTS

- [DE-FOA-0003209 Regional Resource Hubs for Purpose-Grown Energy Crops Amendment 000001](#) (Last Updated: 2/23/2024 02:23 PM ET)
- [DE-FOA-0003209 Question and Answer Log](#) (Last Updated: 11/12/2024 01:55 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- FY24RRHCropsFOA@ee.doe.gov
- EERE-ExchangeSupport@hq.doe.gov

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 3/14/2024 5:00 PM ET
- Full Application Submission Deadline: 6/13/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 8/19/2024 6:00 PM ET – 8/22/2024 11:59 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

TPL-0000042: COMBINED WELLBORE CONSTRUCTION HIGH TEMPERATURE TOOLS AND RESERVOIR THERMAL ENERGY STORAGE (RTES)

This teaming partner list is for DE-FOA-0003296 Topic Area 2, Reservoir Thermal Energy Storage (RTES)

A teaming partner list may be used to facilitate the formation of new project teams for the announcement/topic area. The list allows organizations to express their interest and to explore potential partnerships, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); and partnerships with Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or tribal nations.

SUBMISSION INSTRUCTIONS: Select the appropriate Teaming Partner List from the drop-down menu and fill in the following information: Investigator Name, Organization Name, Organization Type, Topic Area, Background and Capabilities, Website, Contact Address, Contact Email, and Contact Phone.

DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are identifying themselves for placement on this Teaming Partner List. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

There is no Teaming List for **Topic Area 1**.

CONTACT INFORMATION

- HT.Tools.RTES.FOA@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003296: COMBINED WELLBORE CONSTRUCTION HIGH TEMPERATURE TOOLS AND RESERVOIR THERMAL ENERGY STORAGE (RTES)

The Office of Energy Efficiency and Renewable Energy (EERE) is issuing Funding Opportunity Announcement (FOA) DE-FOA-0003296 on behalf of the Geothermal Technologies Office (GTO). GTO actively pursues research, development, and demonstration projects to facilitate technology validation and demonstration, reduce cost, and improve performance of geothermal technologies. The economic viability of geothermal projects across the resource spectrum depends on developing and improving enabling technologies and detailed understanding of the subsurface, including geologic qualities, permeability, and other attributes.

This funding opportunity comprises two topic areas with separate objectives and technical focus.

Topic Area 1: High-Temperature Tools for Well Integrity Evaluation

Topic Area 1 seeks applications to address wellbore tools and technology to supplement and advance beyond currently available off-the-shelf (OTS) solutions provided by the oil and gas industry for cement and casing evaluation. Current solutions are suitable for the upper end of the oil and gas industry's temperature needs but are not generally considered adequate for use in hotter, EGS systems.

As advancements and novel methods in casing and cementing are implemented, a critical, early element of success is evaluating their efficacy. Given the harsh conditions often encountered in geothermal borehole environments, obtaining quality inspection and confirmation information can be a costly and difficult task. The projects selected under **Topic Area 1** of this FOA will seek to address the availability of downhole cement and casing evaluation tools for use in high temperature and hostile geothermal wellbores.

Topic Area 2: Utilization of Reservoir Thermal Energy Storage (RTES) Technology for Decarbonization of Industrial Processes

Topic Area 2 seeks to demonstrate low-temperature (<130° C) RTES technology with applications to industrial processes such as melting plastic, removing moisture, treating chemicals, and others. RTES takes advantage of large subsurface storage capacities, geothermal gradients, and thermal insulation associated with deep geologic formations to store thermal energy to be extracted in the future for beneficial use on a variety of timescales.

The activities funded through this FOA will advance the Biden-Harris Administration's goals to achieve carbon pollution-free electricity by 2035 and achieve a net-zero-emissions economy by 2050. Strategic goals for this FOA are derived from DOE's Enhanced Geothermal Shot and its associated roadmap, and GTO's *GeoVision* Roadmap and Multi-Year Program Plan.

Questions regarding the FOA must be submitted to HT.Tools.RTES.FOA@ee.doe.gov

The **Teaming Partner List** will remain open and will be updated at least weekly until the close of the Full Application period, to reflect new Teaming Partners who have provided their information.

Applicants must submit a Letter of Intent by 5:00pm ET on the due date listed in the FOA to be eligible to submit a Full Application. Letter of Intent and Full Applications will only be accepted through EERE eXCHANGE.

Applicants that experience issues with submissions PRIOR to the Deadline: In the event an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov).

The eXCHANGE system is designed to enforce hard deadlines for Letter of Intent and Full Application submissions. The "APPLY" and "SUBMIT" buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

DOCUMENTS

- [DE-FOA-0003296_Combined Wellbore Construction High Temperature Tools and RTES](#) (Last Updated: 1/30/2024 04:34 PM ET)
- [FOA-0003296 Questions and Answers](#) (Last Updated: 3/29/2024 03:44 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

- [FOA Applicant Webinar COMBINED part 1](#) (Last Updated: 2/5/2024 02:09 PM ET)
- [FOA Applicant Webinar COMBINED part 2](#) (Last Updated: 2/5/2024 02:13 PM ET)

CONTACT INFORMATION

- HT.Tools.RTES.FOA@ee.doe.gov
For questions related to the content of the FOA
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the registration and use of the EERE eXchange website.

SUBMISSION DEADLINES

- Letter of Intent Deadline: 3/1/2024 5:00 PM ET
- Full Application Submission Deadline: 4/1/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 5/14/2024 12:00 PM ET – 5/17/2024 12:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003219: FY24 ENERGY AND EMISSIONS INTENSIVE INDUSTRIES FOA

Modification 0002 Announcement:

1. Added State Point Data table application requirement to Topic Area 6, Areas of Interest 2 & 3. Please see FOA sections I.B, IV.D.i, and Appendix G.
2. Removed Locations of Work application requirement.

Modification 0001 Announcement:

Changes include revisions to the submission deadline, selection and negotiation dates on the Cover Page of the FOA.

The purpose of this FOA is to accelerate decarbonization across the industrial sector and advance the Biden Administration's goal to "deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050". This FOA focuses on subsector-specific decarbonization approaches for the highest emitting and most challenging to address industrial subsectors. The Energy and Emissions Intensive Industries (E2I) program within IEDO focuses on improving efficiency and decarbonizing industries with the largest energy use and GHG emissions (i.e. chemicals and refining, iron and steel, cement and concrete, forest and paper products, food and beverage, and other industries such as glass and aluminum).

TEAMING LIST

To add your organization to the Teaming List please see section below Submission Deadlines for the link to the Teaming List. You can also search for it by clicking the Teaming List option in the left menu of Exchange.

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE

will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

Please see the full FOA in the DOCUMENTS section below.

DOCUMENTS

- [DE-FOA-0003219_FY24_EEII_FOA_MOD0002](#) (Last Updated: 6/14/2024 06:10 AM ET)
- [Question & Answer Spreadsheet](#) (Last Updated: 8/12/2024 04:00 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
- fy24eeiifoa@ee.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 3/19/2024 5:00 PM ET
- Full Application Submission Deadline: 7/2/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 8/8/2024 8:00 AM ET – 8/13/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003236: PLATFORM TECHNOLOGIES FOR TRANSFORMATIVE BATTERY MANUFACTURING

This Funding Opportunity Announcement (FOA) is being issued by the Office of Energy Efficiency and Renewable Energy's (EERE) Advanced Materials and Manufacturing Technologies Office (AMMTO). The goals of this FOA are to advance manufacturing platform technologies in the following specific areas:

- Platforms for next generation battery manufacturing - focusing on manufacturability and scalability of critical battery components and system architectures as well as the role of machines for battery technologies (i.e., sodium-ion batteries (NIBs), flow batteries, and nanolayered films)
- Smart manufacturing platforms for battery production - developing innovative ways to revolutionize battery production by maximizing the benefits of smart manufacturing

This FOA will support activities to advance platform technologies that enable flexible, scalable, and highly controllable battery manufacturing processes. Topics include:

1. Platforms for Next Generation Battery Manufacturing

- 1.1 Processes and Machines for Sodium-ion Batteries
- 1.2 Processes and Design for Manufacturability of Flow Batteries
- 1.3 Scalable Manufacturing of Nanolayered Films for Energy Storage

2. Smart Manufacturing Platforms for Battery Production

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

Please see the full FOA in the DOCUMENTS section below.

DOCUMENTS

- [Funding Opportunity Announcement](#) (Last Updated: 1/23/2024 05:46 PM ET)
- [Q&A Spreadsheet](#) (Last Updated: 4/22/2024 10:02 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
- PlatformBatManFOA@ee.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 3/4/2024 5:00 PM ET
- Full Application Submission Deadline: 5/7/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 6/19/2024 5:00 AM ET – 6/24/2024 11:59 PM ET

DE-FOA-0003304: RFI ON SUPPORTING SUCCESS FOR LOW-INCOME AND DISADVANTAGED COMMUNITY SOLAR PROGRAM DESIGN, IMPLEMENTATION, AND ADOPTION

The purpose of this RFI is to solicit feedback from industry; state, territory, Tribal, and local government agencies; utilities; nonprofit organizations; solar developers and installers; solar industry organizations; subscriber management organizations; community-based organizations; financial institutions; philanthropic organizations; academia; research laboratories; advocacy organizations; community action agencies; environmental justice organization; consumer protection agencies; community members; and other stakeholders on issues related to successfully deploying distributed solar and related technologies through industry, government, and utility-led programs designed to serve low-income and disadvantaged communities (LIDAC).

EERE is specifically interested in information as identified in the “Request for Information Categories and Questions” section of this document. This is solely a request for information and not a Funding Opportunity Announcement (FOA). **EERE is not accepting applications.**

Please see the full RFI document in the Documents section below.

This is an RFI only. DOE will not pay for information provided under this RFI and no project will be supported as a result of this RFI. This RFI is not accepting applications for financial assistance or financial incentives. DOE may or may not issue a Funding Opportunity Announcement (FOA) based on consideration of the input received from this RFI.

Responses to this RFI must be submitted electronically to EquitableSolar@ee.doe.gov no later than **5:00pm (ET) on February 23, 2024**. Responses must be provided as attachments to an email.

DOCUMENTS

- [DE-FOA-0003304 Request for Information Supporting Successful Solar Plus Storage Deployment Serving Low-Income and Disadvantaged Communities](#) (Last Updated: 1/23/2024 12:32 PM ET)

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: 2/23/2024 5:00 PM ET

DE-FOA-0003275: RECEIVERS AND REACTORS FOR CONCENTRATING SOLAR-THERMAL POWER PLANTS AND SOLAR INDUSTRIAL PROCESS HEAT

This request for information (RFI) is intended to inform the U.S. Department of Energy (DOE) Solar Energy Technologies Office (SETO) on specific research, development, and demonstration opportunities to enable near term deployment of receivers for concentrating solar-thermal power (CSP) plants, and reactors for CSP industries.

To build a clean and equitable energy economy and address the climate crisis, SETO invests in innovative research, development, and demonstration (RD&D) projects that work to drive down costs of solar technologies and develop next-generation products ready for commercialization. This RFI seeks information to help advance the goals of achieving carbon-pollution-free electricity by 2035, and to “deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050.

This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

DOCUMENTS

- [DE-FOA-0003275 Receivers and Reactors for Concentrating Solar-Thermal Power Plants and Solar Industrial Process Heat](#) (Last Updated: 1/22/2024 10:42 AM ET)

CONTACT INFORMATION

- SETO.RFI.CSP@ee.doe.gov
- ExchangeSupport@hq.doe.gov

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: 2/20/2024 5:00 PM ET

DL-000039: TEAMING PARTNER LIST FOR DE-FOA-0003097 MARINE ENERGY UNIVERSITY FOUNDATIONAL R&D

This teaming partner list is for FOA DE-FOA-0003097, Marine Energy University Foundational R&D and associated NOI DE-FOA-0003129. A teaming partner list may be used to facilitate the formation of new project teams for the announcement/topic area. The list allows organizations to express their interest and to explore potential partnerships, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); and partnerships with Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or tribal nations.

- Updates to the Teaming Partner List will be available on the EERE eXCHANGE website. The Teaming Partner List will be regularly updated to reflect new teaming partners who have provided their organization's teaming partner information.
- SUBMISSION INSTRUCTIONS: Any organization that would like to be included on this list should submit their information to Teaming Partner List via EERE eXCHANGE.
- DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are self-identifying themselves for placement on this Teaming Partner List #TPL-0000039. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

DOCUMENTS

- [Topic Information for Teaming Partner List](#) (Last Updated: 1/12/2024 01:55 PM ET)

CONTACT INFORMATION

- EERE-eXCHANGESupport@hq.doe.gov EERE-eXCHANGE Helpdesk

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003308: SMALL INNOVATIVE PROJECTS IN SOLAR: CONCENTRATING SOLAR POWER AND PHOTOVOLTAICS (SIPS: CSP & PV) – ANNUAL

This funding opportunity announcement (FOA) is being issued by the U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE) Solar Energy Technologies Office (SETO) to invest in innovative research and development (R&D) that accelerates the large-scale development and deployment of solar technologies to support an equitable transition to a decarbonized electricity system by 2035 and decarbonized energy sector by 2050. Achieving this goal will support the nationwide effort to meet the threat of climate change and ensure that all Americans benefit from the transition to a clean energy economy.

This Small Innovative Projects in Solar (SIPS) FOA solicits seedling R&D projects for both photovoltaic and concentrating solar thermal power technologies. The funding opportunity is designed to streamline the application process and to encourage applicants with a diverse range of backgrounds.

This FOA is expected to be re-issued on an annual basis and will provide applicants the opportunity to submit new applications for consideration. EERE intends to modify this FOA at a future time to solicit applications for subsequent fiscal years.

The current issuance of this FOA solicits applications for fiscal year 2024.

DOCUMENTS

- [DE-FOA-0003308 Small Innovative Projects In Solar Concentrating Solar Power and Photovoltaics \(SIPS CSP&PV\) - Annual](#) (Last Updated: 1/17/2024 03:51 PM ET)
- [DE-FOA-0003308 FY24 SIPS FOA- Q A 8.22](#) (Last Updated: 8/22/2024 10:04 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- SETO.SIPS@ee.doe.gov
- EERE-ExchangeSupport@hq.doe.gov

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: 3/6/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 1/18/2024 5:00 PM ET – 1/18/2025 5:00 PM ET

DE-FOA-0003302: OFFSHORE WIND NATIONAL AND REGIONAL RESEARCH AND DEVELOPMENT PRIORITIES

The purpose of this RFI is to solicit feedback from industry, academia, research laboratories, government agencies, project financiers and insurance providers, community organizations, workforce development and labor organizations, and other stakeholders on issues related to offshore wind and research and development (R&D) and deployment needs that are national and regional in focus, including needs relevant to the Atlantic, Pacific, Great Lakes, and Gulf of Mexico.

EERE is specifically interested in information as identified in the "Request for Information Categories and Questions" section of this document. This is solely a request for information and not a Funding Opportunity Announcement (FOA). **EERE is not accepting applications.**

Please see the full RFI document in the Documents section below.

This is an RFI only. DOE will not pay for information provided under this RFI and no project will be supported as a result of this RFI. This RFI is not accepting applications for financial assistance or financial incentives. DOE may or may not issue a Funding Opportunity Announcement (FOA) based on consideration of the input received from this RFI.

Responses to this RFI must be submitted electronically to WindEnergyRFI@ee.doe.gov no later than **5:00pm (ET)** on **February 20, 2024**. Responses must be provided as attachments to an email.

DOCUMENTS

- [DE-FOA-0003302 Request for Information \(RFI\)](#) (Last Updated: 1/17/2024 12:13 PM ET)

CONTACT INFORMATION

- WindEnergyRFI@ee.doe.gov
For responses to this Request for Information.
- ExchangeHelp@hq.doe.gov
For questions related to the use of the EERE-Exchange website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: TBD
- Full Application Submission Deadline: TBD

DE-FOA-0003097: MARINE ENERGY FOUNDATIONAL R&D

Modification 0002: The purpose of this modification is to revise the Estimated Funding Table for Topic Area 2a.

Modification 0001: The purpose of this modification is to revise the deadlines for the Full Application and Reply to Reviewer Comments submissions.

The Funding Opportunity Announcement (FOA) is being issued by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) on behalf of the Water Power Technologies Office (WPTO) and the Wind Energy Technologies Office (WETO).

This FOA supports foundational research at domestic institutions of higher education, including Minority Serving Institutions (MSI), to address challenges faced by marine energy industries and spur innovation and development. Universities offer an array of exceptional capabilities and resources that create a rich ecosystem for high-level research combining intellectual capital, advanced infrastructure, a commitment to knowledge creation and dissemination, and a training ground for the next generation of scientists and scholars.

This FOA will provide funding for foundational R&D activities to advance marine energy and offshore wind technologies, enabling broader utilization of ocean renewable energy sources through the following topic areas:

1. Publicly Available Marine Energy Data Analysis & Test Platform(s) to Produce Publicly Available Data
2. Sustainable & Scalable Offshore Wind, Marine Energy, and Aquaculture
3. Undergraduate Senior Design and/or Research Project
4. Open Topic Area

Please Note: In the event that an applicant experiences technical difficulties with a submission, the applicant should contact the eXCHANGE helpdesk for assistance at eere-exchangesupport@hq.doe.gov

DOCUMENTS

- [Mod_0002_DE-FOA-0003097_Marine_Energy_Foundational_R&D_FOA](#) (Last Updated: 4/11/2024 11:21 AM ET)
- [Q&A Spreadsheet \(Updated 05-07-2024\)](#) (Last Updated: 5/7/2024 01:52 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

Public informational webinar will be held on Wednesday January 24, 2024 at 3:00 pm ET/1:00 pm MT

Please use the link to register for the webinar: <https://doe.webex.com/weblink/register/r8d2866225ef89ec56c2dcbdd107f53cf>

- [FOA 3097 Informational Webinar Slides](#) (Last Updated: 1/25/2024 11:37 AM ET)

CONTACT INFORMATION

- MarineEnergyFOA@ee.doe.gov FOA Mailbox
Questions on the content of the FOA
- eere-exchangesupport@hq.doe.gov EERE-eXCHANGE Helpdesk
For questions related to EERE-eXCHANGE support

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 2/20/2024 5:00 PM ET
- Full Application Submission Deadline: 5/6/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 7/13/2024 8:00 PM ET – 7/19/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003257: NATIONAL DEFINITION FOR A ZERO EMISSIONS BUILDING: PART 1 OPERATING EMISSIONS

The public comment period in response to this RFI has been extended to March 6, 2024.

This Request for Information (RFI) is soliciting feedback from industry, academia, research laboratories, government agencies, and other stakeholders on Part 1 of a draft National Definition for a Zero Emissions Building. Responses to this RFI will help to develop a definition that will provide a clear market signal and consistent target, backed by measurable data, that is intended to help move the building sector to zero emissions. President Biden has called for net-zero emissions, economy-wide, by 2050 and a 100% clean energy electricity sector by 2035. Within the building sector, the Biden Administration has set the goal to make zero emissions resilient new construction and retrofits common practice by 2030. Accomplishing these goals will require increasing efficiency, expanding clean energy capacity, and plugging both new and existing buildings into a grid that is rapidly becoming cleaner.

Developing a broadly accepted common definition of a zero emissions building, as well as a pathway for verification, is foundational to efforts by public and private entities to transition the building sector to zero emissions. The National Definition for a Zero Emissions Building will create a standardized, consistent, and measurable basis for zero emissions buildings. The definition will act as a framework, offering designers and operators multiple pathways to influence the design and operation of buildings, thereby reduce building sector emissions.

As is proposed currently, the definition of a zero emissions building is one that is:

1. Highly energy efficient,
2. Free of on-site emissions from energy use, and
3. Powered solely from clean energy

Part 1 of the draft definition in full, which includes details on the criteria above, is available here:

<https://www.energy.gov/eere/buildings/national-definition-zero-emissions-building>. This RFI aims to gather more extensive insights on the definition. DOE will consider responses to this RFI before finalizing version 1.00 of Part 1 of the National Definition for a Zero Emissions Building.

Responses to this RFI must be submitted electronically to <https://forms.office.com/g/Y0Ss3UFdL3>, no later than 5:00 pm (ET) on **March 6, 2024**. This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications at this time.

DOCUMENTS

- [DE-FOA-0003257 Zero Emissions Building Part 1 Operating Emissions RFI - Comment Period Extended](#) (Last Updated: 2/16/2024 10:15 AM ET)
- [National Definition of a Zero Emissions Building](#) (Last Updated: 1/2/2024 04:52 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0003247: NOTICE OF INTENT TO ISSUE FY24 VTO R&D FOA DE-FOA-0003248

This FOA will advance research, development, demonstration and deployment (RDD&D) in several areas critical to achieving net-zero greenhouse (GHG) emission by 2050 including:

Development of innovative battery chemistries, reducing GHG emissions in off-road vehicles, improving transportation efficiency via connected vehicles, domestic production of electric steels and improved cybersecurity for electric vehicle charging.

The anticipated FOA targets Vehicle Technologies research and development projects potentially including:

Next Generation Phosphate-Based Cathodes

Na-ion Battery Seedling Projects for Electric Vehicle Applications

Low GHG Concepts for Off-Road Vehicles

Saving Energy with Connectivity

DOCUMENTS

- [DE-FOA-0003247_FY24_VTO_R&D_Notice_of_Intent_Final](#) (Last Updated: 12/20/2023 10:49 AM ET)

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0003249: NOTICE OF INTENT TO ISSUE FY24 VTO TECHNOLOGY INTEGRATION FOA DE-FOA-0003250

The anticipated FOA targets technology integration projects potentially including:

- Clean Cities Outreach, Engagement, and Technical Assistance
- Training on Zero Emission Vehicle and Infrastructure Technologies for Critical Emergency Response Workers
- Demonstration and Deployment – Open Topic

DOCUMENTS

- [EERE_T_540](#) (Last Updated: 12/20/2023 09:43 AM ET)

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003270: SUPERCRITICAL CARBON DIOXIDE BASED TURBOMACHINERY FOR CONCENTRATING SOLAR POWER PLANTS

NOTE: This deadline for submissions as related to DE-FOA-0003270 has been extended to February 20, 2024, at 5:00 p.m. Eastern Standard Time (EST).

This request for information (RFI) is intended to inform the U.S. Department of Energy (DOE) Solar Energy Technologies Office (SETO) on the specific research, development, and demonstration opportunities to enable near term deployment of supercritical carbon dioxide (sCO₂) based turbomachinery for concentrating solar power plants.

DOCUMENTS

- [DE-FOA-0003270_FY24_sCO2_Turbomachinery_for_Concentrating_Solar-Thermal_Power_Plants_RFI](#) (Last Updated: 12/20/2023 11:25 AM ET)
- [DE-FOA-0003270_FY24_sCO2_Turbomachinery_for_Concentrating_Solar-Thermal_Power_Plants_RFI_Mod_000001](#) (Last Updated: 1/29/2024 10:28 AM ET)

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: 2/20/2024 5:00 PM ET

DE-FOA-0003120: BIPARTISAN INFRASTRUCTURE LAW (BIL) FY23 BIL ELECTRIC DRIVE VEHICLE BATTERY RECYCLING AND SECOND LIFE APPLICATIONS

The activities to be funded under this FOA support BIL section 40208, Electric Drive Vehicle Battery Recycling and Second-Life Applications Program, and the broader government-wide approach to strengthen domestic supply chains for critical materials to maximize the benefits of the clean energy transition as the nation works to curb the climate crisis, empower workers, and advance environmental justice. This BIL section is focused on research, development, and demonstration of:

- **second-life applications** for electric drive vehicle batteries that have been used to power electric drive vehicles; and
- **technologies and processes** for final recycling and disposal of electric drive vehicle batteries

DOCUMENTS

- [DE-FOA-0003120_Funding_Opportunity_Announcement](#) (Last Updated: 12/18/2023 12:09 PM ET)
- [DE-FOA-0003120_Questions_and_Answers_Through_4_19_2024](#) (Last Updated: 4/19/2024 10:38 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- DE-FOA-0003120@netl.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 2/7/2024 5:00 PM ET
- Full Application Submission Deadline: 4/19/2024 5:00 PM ET

TPL-000037: TEAMING PARTNER LIST FOR FOA DE-FOA-0003209 REGIONAL RESOURCE HUBS FOR PURPOSE-GROWN ENERGY CROPS

This teaming list is for FOA DE-FOA-0003209.

DOE is compiling a Teaming Partner List to facilitate the formation of new project teams for the FOA. All entities interested in participating as part of an applicant team can provide their contact information for the Teaming Partner List. The list allows organizations to express their interest and to explore potential partners.

- Updates to the Teaming Partner List will be available on the EERE eXCHANGE website. The Teaming Partner List will be regularly updated to reflect new teaming partners who have provided their organization's teaming partner information.
- SUBMISSION INSTRUCTIONS: Any organization that would like to be included on this list should submit their information to the Teaming Partner List via EERE eXCHANGE.
- DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are self-identifying themselves for placement on this Teaming Partner List. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

DOCUMENTS

- [Teaming Partner List TPL-000037 for DE-FOA-0003209 Regional Resource Hubs for Purpose-Grown Energy Crops](#) (Last Updated: 12/18/2023 10:44 AM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

DE-FOA-0003233: NOTICE OF INTENT TO PUBLISH REGIONAL RESOURCE HUBS FOR PURPOSE-GROWN ENERGY CROPS

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Bioenergy Technologies Office (BETO), a Funding Opportunity Announcement (FOA) entitled "Regional Resource Hubs for Purpose-Grown Energy Crops".

If issued, this FOA will support the Bioenergy Technologies Office's research and development (R&D) priorities in the area of Renewable Carbon Resources (RCR). The RCR subprogram develops science and engineering-based strategies and technologies to cost-effectively transform renewable carbon resources into high-quality, environmentally sustainable, conversion-ready feedstocks for biofuels and bioproducts. These strategies and technologies are designed to improve the efficiency, sustainability, and reliability of feedstock production, harvesting or collection, storage, preprocessing, and transportation, and identify the key feedstock quality and operational variables for conversion performance.

Developing a domestic supply chain of purpose-grown energy crops is critical to decarbonizing the U.S. transportation and industrial sectors and can contribute to decarbonization of adjacent sectors of the economy, such as the agricultural and power sector. The Regional Resource Hubs for Purpose-Grown Energy Crops FOA will address the U.S. National Blueprint for Transportation Decarbonization by funding high-impact R&D focused on mobilizing low carbon intensity, purpose-grown energy crops. These crops will support the Clean Fuels and Products Shot™ and contribute to the 2050 sustainable aviation fuel (SAF) production targets of the SAF Grand Challenge. In order to verify greenhouse gas benefits and encourage grower adoption and deployment, long-term yield and sustainability of production crop varieties need to be demonstrated along with the agricultural and silvicultural practices that can provide low carbon intensity feedstocks for the production of renewable fuels and products.

It is anticipated that the FOA may include the following Area of Interest:

Area of Interest (AOI) 1: Purpose-Grown Energy Crops

The goal of this AOI will be to demonstrate the long-term yield and sustainability of purpose-grown energy crops across varied agronomic and geographic landscapes that will accelerate feedstock supply chain development through the generation of data for use by analysts, policy makers, and industry. Verification and validation of the effectiveness of improved agronomic practices on reducing the carbon intensity of biomass resources across multiple regions, feedstock types, and growing seasons will also be essential to meet the 85% GHG emission reduction goal of the Clean Fuels and Products Shot™ compared to fossil-based sources by 2035. Feedstocks of interest include, but are not limited to, algae (microalgae, macroalgae, and cyanobacteria), herbaceous crops (switchgrass, miscanthus, energy cane, sweet sorghum, and high-biomass sorghum), short-rotation woody crops (hybrid poplars and shrub willows), and intermediate crops (carinata, pennycress, and camelina). Each application selected from this FOA will become a member of the Regional Biomass Resource Hub Initiative that will work together with DOE's established Regional Biomass Resource Hub Initiative Coordinator, Idaho National Laboratory (INL), to

coordinate experimental plans, report data, and collectively achieve the FOA objectives. Selected projects will be mapped to a Regional Biomass Resource Hub (RBRH) based on the proposed feedstock(s) and region(s) included in their application.

Please note: Due to INL's role as Initiative Coordinator and involvement in FOA strategy discussions, INL is not eligible to apply for funding as a Prime Recipient under the FOA and may not be proposed as a Subrecipient on another entity's application. Any application that includes INL as a Prime Recipient or Subrecipient will be deemed ineligible, non-responsive, and will not be further considered.

This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All of the information contained in this Notice is subject to change. EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions.

EERE plans to issue the FOA in or around January 2024 via the EERE eXCHANGE website <https://eere-eXCHANGE.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in EERE eXCHANGE. When the FOA is released, applications will be accepted only through EERE eXCHANGE.

DOCUMENTS

- [DE-FOA-0003233 Notice of Intent to Issue DE-FOA-0003209 Regional Resource Hubs for Purpose-Grown Energy Crops](#) (Last Updated: 12/15/2023 04:16 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003213: HYDROGEN AND FUEL CELL TECHNOLOGIES OFFICE FOA TO ADVANCE THE NATIONAL CLEAN HYDROGEN STRATEGY

Modification 0002: The purpose of this modification is to:

- Update the minimum non-federal cost share amount for Topic 1; and
- Provide clarification on blended cost share.

Modification 0001: The purpose of this modification is to:

- Update estimated funding for Topic Area 4;
- Clarify the requirements for DOE/NNSA and Non-DOE/NNSA FFRDCs regarding a Cooperative Research and Development Agreement (CRADA);
- Add language to the Content and Form of the Full Application for Topics 4 and 5;
- Add the Community Benefits Plan template;
- Clarify RDD&D Community Benefits Plan language for Topics 2 and 3;
- Add reporting requirements to track progress toward key departmental goals.

The Office of Energy Efficiency and Renewable Energy (EERE) is issuing Funding Opportunity Announcement (FOA) DE-FOA-0003213 on behalf of the Hydrogen and Fuel Cell Technologies Office (HFTO), which coordinates hydrogen activities with offices across DOE as described in the *DOE Hydrogen Program Plan*. These activities align with the *U.S. National Clean Hydrogen Strategy and Roadmap*, the *U.S. National Blueprint for Transportation Decarbonization*, and other DOE initiatives as described below.

Building a clean and equitable energy economy and addressing the climate crisis are top priorities of the Biden Administration. This FOA will advance the Biden Administration's goals to achieve carbon pollution-free electricity by 2035, "to deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions economy-wide by no later than 2050, to the benefit of all Americans". The Department of Energy is committed to pushing the frontiers of science and engineering; catalyzing clean energy jobs through research, development, demonstration, and deployment (RDD&D); and ensuring environmental justice and inclusion of underserved communities.

The research, development, demonstration, and deployment (RDD&D) activities to be funded under this FOA will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. Specifically, this FOA will support the goals of the H2@Scale Initiative, which aims to advance affordable hydrogen production, transport, storage, and utilization to enable decarbonization and revenue opportunities across multiple sectors. These objectives align with DOE's Hydrogen Energy Earthshot™ (Hydrogen Shot), which targets affordable clean hydrogen production at \$1/kg by 2031. Advancing technologies that will facilitate the use of clean hydrogen will support the goal of net zero GHG emissions by 2050.

In addition to RDD&D topics, this FOA will focus on enabling hydrogen deployments through safety and permitting support, equitable community engagement, and developing strategies for effective community benefits.

As part of the whole-of-government approach to advance equity, it is the policy of the Biden Administration that the federal government should pursue a comprehensive approach to advancing equity for all, including people of color and others who have been historically underserved, marginalized, and adversely affected by persistent poverty and inequality. As part of this approach, this FOA encourages the participation of underserved communities and underrepresented groups.

Topics Include:

Topic 1: Components for Hydrogen Fueling of Medium-and Heavy-Duty Vehicles

Topic 2: Standardized Hydrogen Refueling Station of the Future

Topic 3: Hydrogen Fuel Cell Powered Port Equipment

Topic 4: Enabling Permitting and Safety for Hydrogen Deployment

Topic 5: Equitable Hydrogen Technology Community Engagement

Please see the 'Full FOA Document' in the DOCUMENTS section below.

Questions regarding the FOA must be submitted to H2FCFOA@ee.doe.gov

The Teaming Partner List is transferred from Notice of Intent (NOI) DE-FOA-0003212. The list will remain open and will be updated at least weekly until the close of the Full Application period, to reflect new Teaming Partners who have provided their information.

Applicants must submit a Concept Paper by 5:00pm ET on the due date listed in the FOA to be eligible to submit a Full Application. Concept Papers and Full Applications will only be accepted through EERE eXCHANGE.

Applicants that experience issues with submissions PRIOR to the Deadline: In the event an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov).

The eXCHANGE system is designed to enforce hard deadlines for Concept Paper and Full Application submissions. The "APPLY" and "SUBMIT" buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

DOCUMENTS

- [DE-FOA-0003213_Hydrogen_Q&A_Log_7.22.2024](#) (Last Updated: 7/22/2024 12:09 PM ET)
- [DE-FOA-0003213_MOD_2_Advance_National_Clean_Hydrogen_Strategy](#) (Last Updated: 3/5/2024 04:59 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.
- H2FCFOA@ee.doe.gov
For questions related to the content of the FOA.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 1/26/2024 5:00 PM ET
- Full Application Submission Deadline: 3/22/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 4/30/2024 8:00 AM ET – 5/3/2024 5:00 PM ET

TPL-0000036: TEAMING PARTNER LIST FOR DE-FOA-0003226, SOLAR ENERGY EVOLUTION AND DIFFUSION STUDIES 4 (SEEDS 4) FOA

DOE is compiling a Teaming Partner List to facilitate the formation of project teams for this FOA. The Teaming Partner List allows organizations that may wish to participate on a project to express their interest to other applicants and explore potential partnerships.

The Teaming Partner List will be available on EERE eXCHANGE and will be regularly updated to reflect new teaming partners who provide their organization's information.

SUBMISSION INSTRUCTIONS: View the Teaming Partner List by visiting the EERE eXCHANGE homepage and clicking on "Teaming Partners" within the left-hand navigation pane. This page allows users to view published Teaming Partner Lists. To join the Teaming Partner List, submit a request within eXCHANGE. Select the appropriate Teaming Partner List from the drop-down menu and fill in the following information: Investigator Name, Organization Name, Organization Type, Topic Area, Background and Capabilities, Website, Contact Address, Contact Email, and Contact Phone.

DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are identifying themselves for placement on this Teaming Partner List. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

CONTACT INFORMATION

- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the EERE Exchange website

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003226: SOLAR ENERGY EVOLUTION AND DIFFUSION STUDIES 4 (SEEDS 4)

This funding opportunity announcement (FOA) is being issued by the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) Solar Energy Technologies Office (SETO) to invest in innovative social science research that generates actionable insights to improve large-scale solar (LSS) siting processes and outcomes for host communities—particularly those that are

disadvantaged—and the solar industry.

This topic will fund research programs that study the social dimensions of large-scale solar siting. This includes the dynamics of community acceptance of proposed projects, the role of public attitudes and other factors in the permitting process, and impacts of large-scale solar projects on communities. The goal of the award is to identify community engagement strategies, process changes, and other interventions that improve siting processes so that they are procedurally fair, create equitable benefits for communities, and balance the national need to site large-scale solar generation.

Outcomes of interest include:

- Community acceptance or opposition
- Permitting and land use decisions, predictability, and timeliness
- Community impacts (including meaningful benefits, burdens, and equity and procedural and distributional justice)

DOE is compiling a Teaming Partner List to facilitate the formation of project teams for this FOA. The Teaming Partner List allows organizations that may wish to participate on a project to express their interest to other applicants and explore potential partnerships. Please see the Teaming List section of the FOA document for more information.

EERE eXCHANGE is designed to enforce the deadlines specified in this FOA. The “Apply” and “Submit” buttons will automatically disable at the defined submission deadlines. Should applicants experience problems with EERE eXCHANGE, the following information may be helpful.

Applicants that experience issues with submission PRIOR to the FOA deadline: In the event that an applicant experiences technical difficulties with a submission, the applicant should contact the EERE eXCHANGE helpdesk for assistance (EERE-eXCHANGESupport@hq.doe.gov). The EERE eXCHANGE helpdesk and/or the EERE eXCHANGE system administrators will assist applicants in resolving issues.

DOCUMENTS

- [DE-FOA-0003226 EERE SETO SEEDS4 FOA](#) (Last Updated: 12/13/2023 02:32 PM ET)
- [DE-FOA-0003226 FOA QandA Spreadsheet 03.12](#) (Last Updated: 3/12/2024 05:33 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

An informational webinar was held on December 18, 2023, from 1 PM – 2 PM ET.

A recording of the webinar can be accessed here: [SEEDS 4 FOA Webinar](#)

- [SEEDS 4 Webinar Slides](#) (Last Updated: 12/19/2023 04:34 PM ET)

CONTACT INFORMATION

- EERE-eXCHANGESupport@hq.doe.gov
for questions related to the registration process and use of the EERE eXCHANGE website.
- SEEDS4-FOA@ee.doe.gov
for questions related to the content of this FOA.

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 1/30/2024 5:00 PM ET
- Full Application Submission Deadline: 3/15/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 4/9/2024 3:00 PM ET – 4/11/2024 11:59 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003155: CRITICAL MATERIALS ACCELERATOR

The Critical Materials Accelerator aims to validate and prototype technologies and processes that address critical materials challenges by developing alternatives, diversifying and expanding supply, increasing manufacturing and material efficiency, and establishing a circular economy. The Accelerator intends to speed up the adoption of innovation while promoting safe, sustainable, economic, and environmentally just solutions to meet current and future critical materials supply chain needs.

This FOA solicits proposals that advance innovation to realize the Department’s critical minerals and materials vision of a reliable, resilient, affordable, diverse, sustainable, and secure domestic supply chains for the clean energy economy. Projects funded under this FOA will de-risk innovation and mature technology development in partnership with industry to reduce demand through alternative materials or technologies, extend the lifetime of critical materials, and advance secure and sustainable critical materials manufacturing technologies. Each topic area of the FOA addresses priority technologies and supply chain gaps identified by the Critical Materials Collaborative.

Topics include:

- Topic 1 – Use of Magnets with Reduced Critical Materials Content
- Topic 2 – Improved Unit Operations of Processing and Manufacturing of Critical Materials
- Topic 3 – Critical Material Recovery from Scrap and Post-Consumer Products
- Topic 4 – Reduced Critical Material Demand for Clean Energy Technologies

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

DOCUMENTS

- [DE-FOA-0003155 AMMTO CM Accelerator, MOD 0001](#) (Last Updated: 12/6/2023 11:43 AM ET)
- [DE-FOA-0003155 - Critical Materials Accelerator Q&A, 09/18/2024](#) (Last Updated: 9/18/2024 10:54 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- eere-exchangesupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.
- cmacceleratorfoa@ee.doe.gov
For questions related to the content of the FOA.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 1/5/2024 5:00 PM ET
- Full Application Submission Deadline: 3/22/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 3/22/2024 5:00 PM ET – 5/6/2024 11:59 PM ET

DE-FOA-0003251: REQUEST FOR INFORMATION: CLEAN ENERGY CAREERS FOR ALL PROGRAM DE-FOA-0003251

Please see the full RFI document in the Documents section below.

The Biden Administration is committed to ensuring that overburdened, underserved, and underrepresented individuals and communities have access to federal resources, and specifically that 40% of the overall benefits of certain federal investments flow to disadvantaged communities, as described in its Justice40 Initiative. The clean energy transition should advance equity³ for people of color, people with disabilities, and others who have been historically underserved, marginalized, and adversely affected by persistent poverty and inequality. Advancing equity, civil rights, racial justice, and equal opportunity is the responsibility of the entire government. As part of the whole of government approach, DOE is taking proactive steps to lower barriers to entry.

EERE supports research, development, demonstration, and deployment (RDD&D) of renewable energy and energy efficiency technologies. DOE funds RDD&D activities in climate and energy technologies through a variety of mechanisms, including external competitive solicitations and through its 17 national laboratories. In addition, DOE programs support building and sustaining an innovation ecosystem for climate and energy technologies, encompassing early career and workforce development, entrepreneurial programs and resources for individuals and organizations, and technical and financial assistance for communities and regions.

The purpose of this RFI is to solicit public feedback about issues related to educational and professional development programming—created and delivered by diverse science and engineering non-profits—that inspires students, alumni, and professionals to explore, pursue, and succeed in STEM-related careers in clean energy. The expansion of the clean energy economy presents an opportunity to include those who have been underrepresented in the clean energy industry.

Responses to this RFI must be submitted electronically to CECFA@ee.doe.gov no later than 5 p.m. ET on Friday, January 26, 2024. Responses must be provided as attachments to an email. To ensure message delivery, DOE recommends that respondents compress (i.e., zip) attachments with file sizes exceeding 25 MB. Responses must be provided as a Microsoft Word (.docx) email attachment of no more than 6 pages in length, 12-point font, 1-inch margins. DOE will only accept electronic responses.

This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

DOCUMENTS

- [DE-FOA-0003251 Request For Information: Clean Energy Careers for All Program](#) (Last Updated: 11/21/2023 05:29 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
EERE Exchange Support Help
- CECFA@ee.doe.gov
Responses to this RFI must be submitted electronically to CECFA@ee.doe.gov.

SUBMISSION DEADLINES

- Full Application Submission Deadline: 1/26/2024 5:00 PM ET

TPL-000034: TEAMING PARTNER LIST FOR DE-FOA-0003103

The teaming list is for FOA DE-FOA-0003103, Strategies to Increase Hydropower Flexibility.

DOE is compiling a Teaming Partner List to facilitate the formation of new project teams for the FOA. All entities interested in participating as part of an applicant team can provide their contact information for the Teaming Partner List. The list allows organizations to express their interest and to explore potential partners.

- Updates to the Teaming Partner List will be available on the EERE eXCHANGE website. The Teaming Partner List will be regularly updated to reflect new teaming partners who have provided their organization's teaming partner information.
- **SUBMISSION INSTRUCTIONS:** Any organization that would like to be included on this list should submit their information to Teaming Partner List via EERE eXCHANGE.
- **DISCLAIMER:** By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are self-identifying themselves for placement on this Teaming Partner List #TPL-000034. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the EERE Exchange website

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003186: PROGRESSION TO NET-ZERO EMISSION PROPULSION TECHNOLOGIES FOR THE RAIL SECTOR

DE-FOA-0003186: PROGRESSION TO NET-ZERO EMISSION PROPULSION TECHNOLOGIES FOR THE RAIL SECTOR

Amendment 000001 - The purpose of this modification is to extend the submission deadline to February 12th, 2024.

Please see the full RFI document in the Documents section below.

The U.S. National Blueprint for Transportation Decarbonization set the goal to achieve net-zero carbon emissions in the transportation sector – including rail – by 2050.[1] This transformation requires coordination among all aspects of the rail supply chain including feedstock supply, alternative fuel production, locomotive engine manufacturers, safety implementation, customer demand, and government regulation.

To set domestic rail on an ambitious net-zero emission trajectory, commercially viable, well-to-wheel net-zero emission line-haul locomotives are needed in the domestic fleet by 2030. Thus, an ambitious alliance is needed between the private sector, research institutes and regulatory entities to develop, demonstrate, and deploy net-zero locomotives and infrastructure together by 2030 to make net-zero propulsion the natural choice for railroads. The propulsion technologies under consideration for this RFI for **transitional, interim use until 2030 are:** biodiesel, renewable diesel, ammonia, methanol, hydrogen fueled internal combustion engines, and ethanol. The technologies under consideration for this RFI for **mid- to long-term use are:** hydrogen fuel cells, batteries (tenders or built-in), and direct electrification (catenary), or a combination of different technologies. Each alternative propulsion technology comes with its own set of regionally sensitive advantages and disadvantages.

The purpose of this RFI is to aggregate knowledge from rail stakeholders to help direct actions regarding future propulsion technologies, infrastructure requirements, and coordination among key stakeholders to ensure that the rail sector is meeting or exceeding U.S. decarbonization milestones. DOE's Office of Energy Efficiency and Renewable Energy (EERE) is specifically interested in information on the rail sector stakeholder's current alternative fuels trajectory, the driving forces behind it, and the key barriers to achieving this transition.

Responses to this RFI must be submitted electronically to GreenRail@ee.doe.gov no later than 5:00pm (ET) on **February 12th, 2024**. Responses must be provided as attachments to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Responses must be provided as a Microsoft Word (.docx) attachment to the email, and no more than 15 pages in length, 12 point font, 1 inch margins. Only electronic responses will be accepted.

This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

Please see the full RFI document in the Documents section below.

[1] <https://www.energy.gov/eere/us-national-blueprint-transportation-decarbonization-joint-strategy-transform-transportation>

DOCUMENTS

- [MOD000001 DE-FOA-0003186 RFI Progression to Net-Zero Emission Propulsion Technologies for the Rail Sector](#) (Last Updated: 1/5/2024 10:30 AM ET)

CONTACT INFORMATION

- GreenRail@ee.doe.gov
Submit questions and responses on the RFI to the following email.
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website, please contact the following address.

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: 2/12/2024 5:00 PM ET

TPL-000030: TEAMING PARTNER LIST FOR DE-FOA-0003219: FY24 ENERGY AND EMISSIONS INTENSIVE INDUSTRIES

SUBMISSION INSTRUCTIONS: Any organization that would like to be included on this list should submit the following information through EERE eXCHANGE: Organization Name, Contact Name, Contact Address, Contact Email, Contact Phone, Organization Type, Area of Technical Expertise, Brief Description of Capabilities, and Area of Interest.

DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating this Teaming Partner List, EERE does not endorse or otherwise evaluate the qualifications of the entities that self-identify themselves for placement on the Teaming Partner List. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

CONTACT INFORMATION

- EERE-eXCHANGESupport@hq.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003218: NOTICE OF INTENT TO ISSUE FOA - DE-FOA-0003219: FY24 ENERGY AND EMISSIONS INTENSIVE INDUSTRIES

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Industrial Efficiency and Decarbonization Office (IEDO), a funding opportunity announcement (FOA) titled "IEDO FY24 Energy and Emissions Intensive Industries FOA."

This FOA will advance the Biden Administration's goals to achieve carbon pollution-free electricity by 2035 and to "deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050 to the benefit of all Americans. The Department of Energy (DOE) is committed to pushing the frontiers of science and engineering, catalyzing clean energy jobs through research, development, demonstration, and deployment (RDD&D), and ensuring environmental justice and inclusion of underserved communities.

This notice of intent is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All the information contained in this notice is subject to change. EERE will not respond to questions concerning this notice. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

EERE plans to issue the FOA in or about December 2023 via the EERE eXCHANGE website: <https://eere-eXCHANGE.energy.gov/>. If applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in EERE eXCHANGE. When the FOA is released, applications will be accepted only through EERE eXCHANGE.

DOCUMENTS

- [DE-FOA-0003218 Notice of Intent to Issue DE-FOA-0003219 IEDO Energy & Emissions-Intensive Industries Program](#) (Last Updated: 11/17/2023 08:52 AM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003206: INDUSTRIAL EFFICIENCY AND DECARBONIZATION OFFICE (IEDO) FISCAL YEAR 2024 CROSS-SECTOR TECHNOLOGIES FOA

This Funding Opportunity Announcement (FOA) is issued by the Industrial Efficiency and Decarbonization Office (IEDO) to advance transformational cross-sector technologies and innovations needed to reduce industrial energy use and GHG emissions through high-impact applied research, development, and pilot-scale technology validation and demonstration projects. The RD&D activities to be funded under this FOA will advance the strategies identified in DOE's Industrial Decarbonization Roadmap and will support the goals of the Industrial Heat Shot, ultimately helping put the nation on a pathway to achieve net-zero carbon emissions by 2050.

The Topic Areas included in this FOA are:

- Topic Area 1: Electrification of Industrial Heat
- Topic Area 2: Efficient Energy Use in Industrial Systems
- Topic Area 3: Decarbonizing Organic Wastewater and Wet Waste Treatment

IEDO expects additional funding opportunities to focus on transformational technologies to address subsector-specific challenges in energy- and emissions-intensive industries.

This FOA is part of DOE's Technologies for Industrial Emissions Reduction Development (TIEReD) Program. This program leverages resources across DOE's applied research offices to invest in fundamental science, research, development, initial pilot-scale demonstrations projects, and technical assistance and workforce development. Rooted in the principles identified in the 2022 Industrial Decarbonization Roadmap, DOE is building an innovation pipeline to accelerate the development and adoption of industrial decarbonization technologies. The TIEReD Program leverages resources, expertise, and investments from the Offices of Energy Efficiency and Renewable Energy (EERE), Fossil Energy and Carbon Management (FECM), Nuclear Energy (NE), ARPA-E, and Science (SC) to achieve deep decarbonization across the U.S. industrial sector. The program complements the demonstration and large-scale deployment efforts led by DOE's Offices of Clean Energy Demonstrations (OCED) and Manufacturing and Energy Supply Chains (MESC) and the Loan Programs Office (LPO).

MOD0001

Changes include an update to the following section:

In Section I.B. on page 9, within Topic Areas, the description of Tier 2 projects was updated to eliminate phases and to require 50% cost share.

MOD0002

Changes include updates to the following sections:

In Section I.B on page 11, within Topic Areas, an edit was made in the Note on IEDO FY23 Multi-Topic FOA paragraph. "...anticipated to be covered..." was removed in the first sentence.

In Section III.iii on page 34, within Topic Area Eligibility, an edit was made to the bulleted list of entities eligible as subrecipients but not eligible as prime recipients. "whether for profit or otherwise" was removed in the second bullet, Foreign Entities.

In Section III.B.vi. on page 37, within the first paragraph of the Cost Share Payment section, the last sentence was deleted.

MOD0003

Changes include updates to the following sections:

In Section I.B on page 28, within Topic Area 3, "Applications that employ algae in any part of the treatment process" was added to the Not of Interest statement.

MOD0004

Changes include updates to the following sections:

On the cover page of the FOA, the Submission Deadline for Full Applications has been updated to 3/26/2024 at 5:00 PM ET.

On the cover page of the FOA, the Expected Submission Deadline for Replies to Reviewer Comments has been updated to 5/3/2024 at 5:00 PM ET.

On the cover page of the FOA, the Expected Date of EERE Selection Notifications has been updated to 7/30/2024.

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov).

DOCUMENTS

- [DE-FOA-0003206_IEDO_FY24_Cross_Sector_Technologies_FOA_MOD_0004](#) (Last Updated: 2/16/2024 05:05 PM ET)
- [FY24_IEDO_CST_FOA_Q&A_Spreadsheet](#) (Last Updated: 3/14/2024 08:48 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- IEDOCSTFOA@ee.doe.gov
For questions related to the content of the FOA.
- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 12/18/2023 5:00 PM ET
- Full Application Submission Deadline: 3/26/2024 5:00 PM ET

DE-FOA-0003103: STRATEGIES TO INCREASE HYDROPOWER FLEXIBILITY

Modification 0004: The purpose of this modification is to extend Full Application deadline from 5/3/24 to 5/17/24 and revise the Expected Submission deadline for Replies to Reviewer comments from 6/28/24 to 7/12/24.

Modification 0003: The purpose of this modification is to revise cost share requirements for federally recognized Indian Tribes under Topic Area 1.

Modification 0002: The purpose of this modification is to extend the Concept Paper deadline to February 9, 2024, and revise the deadlines for Full Applications and the Reply to Reviewer Comments.

Modification 0001: The purpose of this modification is to extend the Concept Paper deadline to February 1, 2024, and revise the deadlines for Full Applications and the Reply to Reviewer Comments.

This Funding Opportunity Announcement (FOA) is being issued by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) on behalf of the Water Power Technologies Office (WPTO).

This FOA supports three complementary strategies for increasing the flexibility of hydropower: demonstrating hydropower hybrids, supporting innovative advanced hydropower equipment, and developing new operational strategies. WPTO's HydroWIRES Initiative seeks to understand, enable, and improve the contribution of hydropower, including pumped storage hydropower (PSH) to reliability, resilience, and integration in the rapidly evolving U.S. electricity system. Hydropower's flexibility is central to enhancing all these contributions. Through these three topics, this FOA will develop a suite of advancements that improve hydropower flexibility at multiple scales: improved components within the plant, improved hybridized capabilities at the plant interconnection, and improved operations across the fleet.

1. Hydropower Hybrids Demonstration
2. Technologies to Increase Flexibility
3. Operational Flexibility

Please Note: In the event that an applicant experiences technical difficulties with a submission, the applicant should contact the eXCHANGE helpdesk for assistance at eere-exchangesupport@hq.doe.gov

DOCUMENTS

- [DE-FOA-0003103 - Funding Opportunity Announcement](#) (Last Updated: 5/10/2024 05:47 PM ET)
- [DE-FOA-0003103 - Question & Answer Spreadsheet \(updated 05-15-2024\)](#) (Last Updated: 5/15/2024 06:14 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

Public informational webinar will be held on Thursday November 30, 2023 at 2:30 pm ET/12:30 pm MT

The "WPTO FOA 3103 Informational Webinar" video. Thank you.

<https://youtu.be/QdIIUXQqxbk>

- [DE-FOA-0003103 Applicant Webinar Presentation](#) (Last Updated: 12/14/2023 04:30 PM ET)

CONTACT INFORMATION

- HydropowerFOA@ee.doe.gov
For questions related to the content of the FOA
- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 2/9/2024 5:00 PM ET
- Full Application Submission Deadline: 5/17/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 7/8/2024 5:00 PM ET – 7/12/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

This lab call represents the combined effort of fourteen different U.S. Department of Energy (DOE) program offices and the Office of Technology Transitions (OTT). This solicitation offers an opportunity for private industry to partner with DOE's National Labs to advance energy-related National Lab-developed technology toward commercialization and to reduce the barriers to commercializing lab-developed energy-related technologies and IP. The intent is to increase the volume and speed to which energy-related lab-developed technologies make it to market from an improved lab commercialization ecosystem.

For Fiscal Year 2024 (FY24), DOE continues to implement the previous year's (FY23) approach for TCF Base Annual Appropriations addressing persistent barriers, bridging known gaps that deter the commercialization of laboratory technologies, and identifying where improvements are still needed. The intent of the Commercialization Enabling Topics (Topics 1, 2, 3, 5, and 6 of this lab call) is to fill in missing infrastructure pieces and strengthen those already there by addressing core commercialization challenges, barriers, and gaps, as well as their root causes (inside and outside of the labs). Additionally, the lab call will seek proposals from DOE's National Labs to advance the commercialization of individual energy-related technologies (Topic 4).

Navigate to [TPL-000027](#) to access the Teaming Partner List for this solicitation.

DOCUMENTS

- [DE-LC-000L110_FY24_TCF_Base_Joint_Lab_Call_Final_2.29](#) (Last Updated: 2/29/2024 04:52 PM ET)
- [DE-LC-000L110_FY24_TCF_Base_CLIMR_Lab_Call_Webinar_Slides](#) (Last Updated: 11/20/2023 09:41 AM ET)
- [SOW_Template](#) (Last Updated: 2/27/2024 02:31 PM ET)
- [Budget_Spend_Plan_Template](#) (Last Updated: 3/4/2024 10:55 AM ET)
- [FY24_CLIMR_Q&A_04.25](#) (Last Updated: 4/25/2024 11:55 AM ET)

WEBINAR DETAILS

An informational webinar occurred on November 15, 2023, from 2–3 pm ET. This informational webinar went over important details of the lab call and provided an opportunity for attendees to ask questions. The webinar slides are in the documents section. A recording of the webinar is available here: <https://www.zoomgov.com/rec/share/dRX630xoCxxUtZLDzM182KsET-O2N1z8M8Wdoagx5js83OcRWSPq0ilt8ncyRgTV.NBVPZX2KcDjfZojL>

Please note that as of 2/29/2024, the full application deadline has been updated to March 18, 2024, at 3 p.m. ET, which is not shown in the webinar slides.

CONTACT INFORMATION

- TCF@HQ.DOE.GOV
For questions regarding this lab call please contact this email.
- EERE-ExchangeSupport@HQ.DOE.GOV
For Exchange support please contact this email.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 1/16/2024 3:00 PM ET
- Full Application Submission Deadline: 3/18/2024 3:00 PM ET
- View Full Application Reviewer Comments Period: 4/23/2024 1:00 PM ET – 4/26/2024 3:00 PM ET

TPL-000027: TEAMING PARTNER LIST FOR THE FY24 TCF BASE CLIMR LAB CALL

This Teaming Partner List is for the FY24 Technology Commercialization Fund Base Annual Appropriations CLIMR Lab Call (DE-LC-000L110).

DOE is compiling a "Teaming Partner List" to facilitate the formation of project teams for this Lab Call. The Teaming Partner List allows organizations who may wish to participate on an application to express their interest to other applicants and to explore potential partnerships, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); and partnerships with Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or tribal nations).

Updates to the Teaming Partner List will be available on the Exchange website. The Teaming Partner List will be regularly updated to reflect new teaming partners who provide their organization's information.

CONTACT INFORMATION

- TCF@hq.doe.gov
Please contact this email with questions regarding this Lab Call and Teaming Partner List.
- EERE-ExchangeSupport@hq.doe.gov
Please contact this email for questions regarding Exchange

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

TPL-000028: TEAMING PARTNER LIST FOR FOA DE-FOA-0003072 WASTE: WASTE ANALYSIS AND STRATEGIES FOR TRANSPORTATION END-USES

The teaming list is for FOA DE-FOA-0003072.

DOE is compiling a Teaming Partner List to facilitate the formation of new project teams for the FOA. All entities interested in participating as part of an applicant team can provide their contact information for the Teaming Partner List. The list allows organizations to express their interest and to explore potential partners.

Updates to the Teaming Partner List will be available on the EERE eXCHANGE website. The Teaming Partner List will be regularly updated to reflect new teaming partners who have provided their organization's teaming partner information.

- **SUBMISSION INSTRUCTIONS:** Any organization that would like to be included on this list should submit their information to Teaming Partner List via EERE eXCHANGE.
- **DISCLAIMER:** By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are self-identifying themselves for placement on this Teaming Partner List #TPL-0000028. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003137: NOTICE OF INTENT TO ISSUE: FUNDING ANNOUNCEMENT NUMBER DE-FOA-0003072

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Bioenergy Technologies Office and the Vehicles Technologies Office, a Funding Opportunity Announcement (FOA) entitled "WASTE: Waste Analysis and Strategies for Transportation End-uses".

If issued, this FOA will support the development of planning and strategies for utilizing organic waste as a feedstock for various transportation fuel end products. For many communities, organic waste streams present a variety of economic, environmental, and social sustainability challenges. These waste streams include food waste, municipal wastewater sludges, animal manure, fats, oils, and greases. There are significant costs associated with management of organic waste, including treatment, stabilization, hauling, and disposal costs or tipping fees. These waste streams also represent major sources of greenhouse gas emissions and contribute to other environmental issues including air and water quality degradation. Increasingly, State and local laws and regulations are requiring that organic waste streams be diverted from landfills, necessitating the implementation of new processing strategies and development of novel business models to meet these requirements.

Municipal entities and local transit authorities also have significant local demand for the energy that can be derived from these waste streams. There are examples where waste-derived biogas or renewable natural gas^[1] (RNG) are being used to fuel bus fleets and trash collection vehicles or produce hydrogen for hydrogen-fueled vehicles. These opportunities are often community-specific, and the planned FOA is intended to help communities realize these or similar synergies between waste infrastructure and sustainable transportation needs. Permissible fuels from projects funded under this FOA could include renewable natural gas, partially upgraded biogas, hydrogen, biocrude, renewable diesel, renewable di-methyl-ether, or others.

^[1] Note: unless otherwise indicated, for purposes of this FOA, "renewable natural gas" is biogas that has been upgraded to pipeline standard gas and/or another pipeline-transportable, fungible standard.

Recognizing that communities may be at different stages in their planning efforts, the planned FOA will seek a phased approach to achieve the outcomes described above. Topic Area 1 is intended to support feasibility studies. For communities that may have already identified potential solutions for their waste/transportation needs, Topic Area 2 would support more detailed engineering design work to position these entities for future projects and demonstrations.

It is therefore anticipated the FOA may include the following Areas of Interest:

Topic Area 1 is aimed at helping move communities beyond a conceptualization phase by supporting in-depth feasibility analysis relating to waste-to-fuels approaches. While technical assistance programs can accomplish some of these objectives, direct financial assistance can close this capacity gap.

Topic Area 2 is targeted toward communities that have previously completed feasibility analyses and are seeking funding to further refine their project concept. Lack of municipal and non-profit staff capacity and availability of funding often puts detailed design work out of reach for many communities; Topic Area 2 is intended to close that gap for completing detailed engineering design. Topic Area 2 will also allow a limited amount of experimental work, intended to generate the data required to refine the engineering design and/or data needed for permitting or air quality analysis. The experimental work can either take place on-site or be done remotely, provided the waste streams being used are sourced from the recipient community. Model waste streams will not be permitted. The use of real waste streams (as opposed to model waste streams) will increase the likelihood of technical success by ensuring the process is sufficiently robust.

This Notice is issued so that interested parties are aware of the EERE's intention to issue these FOAs in the near term. All of the information contained in this Notice is subject to change. EERE will not respond to questions concerning this Notice. Once the FOAs have been released, EERE will provide an avenue for potential Applicants to submit questions.

EERE plans to issue the FOAs in or around December 2023 via the EERE eXCHANGE website <https://eere-eXCHANGE.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding these FOAs, they should register in EERE eXCHANGE. When the FOAs are released, applications will be accepted only through EERE eXCHANGE.

DOCUMENTS

- [DE-FOA-0003137 Notice of Intent to Issue: DE-FOA-0003072, entitled "WASTE: Waste Analysis and Strategies for Transportation End-uses."](#) (Last Updated: 11/9/2023 10:12 AM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: TBD
- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003166: CHALLENGES AND OPPORTUNITIES AT THE INTERFACE OF WIND ENERGY AND RADAR TECHNOLOGY

The purpose of this RFI is to solicit public feedback to help inform DOE's implementation of the Infrastructure Investment and Jobs Act, also commonly known as the Bipartisan Infrastructure Law (BIL). To help inform DOE's implementation of BIL funds under the provision referenced above, this RFI seeks input on: 1) Siting challenges of wind energy developers related to radar interference, 2) Potential mitigation technologies at the radar and/or turbine level that currently exist or are in development to address wind turbine-radar interference, 3) Commercialization and market adoption of wind-radar interference mitigation measures, and what obstacles need to be overcome to accelerate commercialization and maximize adoption and 4) BIL Provisions and Requirements and Buy America Requirements. This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

Please see the full RFI document in the Documents section below.

This is an RFI only. DOE will not pay for information provided under this RFI and no project will be supported as a result of this RFI. This RFI is not accepting applications for financial assistance or financial incentives. DOE may or may not issue a Funding Opportunity Announcement (FOA) based on consideration of the input received from this RFI.

Responses to this RFI must be submitted electronically to WindEnergyRFI@ee.doe.gov no later than 5:00pm (ET) on Friday, January 12, 2024. Responses must be provided as attachments to an email.

DOCUMENTS

- [RFI_DE-FOA-0003166](#) (Last Updated: 11/7/2023 11:15 AM ET)

CONTACT INFORMATION

- WindEnergyRFI@ee.doe.gov
For responses to this Request for Information.
- ExchangeHelp@hq.doe.gov
For questions related to the use of the EERE-Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TPL-0000026: TEAMING PARTNER LIST FOR DE-FOA-0003158 BENEFIT FY24

This Teaming Partner List is for DE-FOA-0003158 Buildings Energy Efficiency Frontiers & Innovation Technologies (BENEFIT) – 2024 FOA.

A teaming partner list may be used to facilitate the formation of new project teams for the announcement/topic area. The list allows organizations to express their interest and to explore potential partnerships, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); and partnerships with Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or tribal nations.

DOCUMENTS

- [Topic Information](#) (Last Updated: 11/3/2023 04:25 PM ET)

CONTACT INFORMATION

- BENEFIT24@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003158: BUILDINGS ENERGY EFFICIENCY FRONTIERS & INNOVATION TECHNOLOGIES (BENEFIT) – 2024

Modification 0001

This modification incorporates the following changes:

Section I.B: Revised Performance Goal/Target Outcomes for Subtopic 1B.

Section III.E.i: Replaced Value/Funding and Cost Share sections with Section III.E.i.c. Funding, Cost Share, and Subaward with FFRDCs.

Additional revisions made throughout to align with the newest FOA template. Please download and review the FOA document for complete details. The Modifications table begins on page 2.

The Office of Energy Efficiency and Renewable Energy (EERE) is issuing, on behalf of the Building Technologies Office (BTO), a Funding Opportunity Announcement (FOA) titled "Buildings Energy Efficiency Frontiers & Innovation Technologies (BENEFIT) – 2024".

The 2024 BENEFIT FOA will invest up to \$30M (subject to appropriations) across four topic areas:

Topic 1: Heating, Ventilation, and Air Conditioning and Water Heating

Technologies with improved materials, components, equipment design, and engineering, lower cost manufacturing processes, and easier installation.

Topic 2: Innovative, Replicable, and Low-Cost Roof and Attic Retrofits

Technologies for affordable and scalable roof and attic retrofits that improve energy efficiency and address air and water infiltration.

Topic 3: Building Resilience and Capacity Constraints

Novel approaches to maintain essential loads during blackouts and add power capacity to buildings without the need for major infrastructure upgrades; localized thermal management systems and thermally resilient building envelopes to provide cooling and overheating protection against extreme heat events.

Topic 4: Commercial Lighting Retrofit Advancements

Low-cost, high-quality retrofit solutions for lagging sectors in energy-efficient lighting adoption (schools, certain commercial buildings).

DOE is compiling a Teaming Partner List to facilitate the formation of project teams for this FOA. The Teaming Partner List allows organizations that may wish to participate on a project to express their interest to other applicants and explore potential partnerships. Please see the Teaming List section of the FOA document for more information.

EERE eXCHANGE is designed to enforce the deadlines specified in this FOA. The "Apply" and "Submit" buttons will automatically disable at the defined submission deadlines. Should applicants experience problems with EERE eXCHANGE, the following information may be helpful.

Applicants that experience issues with submission PRIOR to the FOA deadline: In the event that an applicant experiences technical difficulties with a submission, the applicant should contact the EERE eXCHANGE helpdesk for assistance (EERE-eXCHANGESupport@hq.doe.gov). The EERE eXCHANGE helpdesk and/or the EERE eXCHANGE system administrators will assist applicants in resolving issues.

DOCUMENTS

- [DE-FOA-0003158-Buildings_Energy_Efficiency_Frontiers_&_Innovation_Technologies_\(BENEFIT\)_-_2024_Mod_0001](#) (Last Updated: 2/8/2024 10:34 AM ET)
- [DE-FOA-0003158_BENEFIT_FY24_-_Q&A](#) (Last Updated: 7/18/2024 05:08 PM ET)
- [USA_GA_Atlanta_Municipal](#) (Last Updated: 12/21/2023 01:42 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- BENEFIT24@ee.doe.gov
For questions about this FOA
- EERE-eXCHANGESupport@hq.doe.gov
For questions about eXCHANGE

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 12/18/2023 5:00 PM ET
- Full Application Submission Deadline: 3/5/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 4/10/2024 5:00 PM ET – 4/15/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003220: TRANSMISSION SYSTEM INTERCONNECTION ROADMAP DRAFT

Mod 00001 extends the submission date to 12/01/2023.

This request for information (RFI) solicits feedback on a draft Transmission System Interconnection Roadmap prepared by the U.S. Department of Energy's Interconnection Innovation e-Xchange (i2X) program. This roadmap covers interconnection solutions for the transmission system/bulk power system only. Feedback from interconnection stakeholders regarding the Roadmap's content (e.g., challenges, solution sets and key actions) will ensure the final version provides a comprehensive set of strategies to improve the interconnection process. Interconnection stakeholders include, but are not limited to, utilities, grid operators, grid reliability organizations, Tribal governments and utilities, Federal and state regulators, state and local governments, clean energy developers, energy justice groups, nonprofits, and trade associations. Read the draft i2X Transmission System Interconnection Roadmap:

<https://www.energy.gov/sites/default/files/2023-10/Draft%20i2X%20Transmission%20Roadmap.pdf>

DOCUMENTS

- [DE-FOA-0003220 Mod 00001 - RFI Transmission System Interconnection Roadmap Draft](#) (Last Updated: 11/21/2023 06:17 PM ET)

CONTACT INFORMATION

- i2x@ee.doe.gov
To respond to this RFI:

SUBMISSION DEADLINES

- Full Application Submission Deadline: 12/1/2023 5:00 PM ET

DE-FOA-0003167: REQUEST FOR INFORMATION IN THE AREA OF GRID INTEGRATION OF SOLAR ENERGY SYSTEMS AND OTHER INVERTER-BASED RESOURCES

The U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE), through its Solar Energy Technologies Office (SETO), is issuing a request for information (RFI) on technical challenges and opportunities for grid integration of solar energy systems and other inverter-based resources that include photovoltaics (PV) and energy storage facilities connected to bulk power systems, distribution systems, microgrids, and behind-the-meter systems. This RFI intends to solicit stakeholder feedback from industry, academia, research laboratories, government agencies, end-user groups, and other relevant organizations related to the cost-effective and reliable integration of solar and other variable and power-electronic based energy sources onto the electric grid. Some topic areas are specific to solar and battery energy storage, while others may be relevant to multiple variable or inverter-based resources. This feedback will help EERE and SETO identify key challenges, assess technology gaps, determine research needs and priorities, and develop new research, development, and demonstration (RD&D) initiatives to support rapid solar deployment and the smooth transition to a reliable, secure, resilient, and decarbonized grid of the future. This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

DOCUMENTS

- [DE-FOA-0003167 - RFI FY24 Grid Integration of Solar Energy Systems](#) (Last Updated: 10/20/2023 04:51 PM ET)

CONTACT INFORMATION

- SETO-SI-2023-RFI@ee.doe.gov
- ExchangeSupport@hq.doe.gov

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: 12/15/2023 5:00 PM ET

DE-FOA-0003205: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY DE-FOA-0003206: IEDO FISCAL YEAR 2024 CROSS-SECTOR TECHNOLOGIES FOA

This notice is intended to announce a potential FOA that will aim to advance the strategies identified in the Industrial Decarbonization Roadmap and support the goals of the Industrial Heat Shot™ through a focus on cross-sector approaches for industrial decarbonization. Cross-sector technologies are decarbonization- enabling components, equipment, and systems that underpin processes and products across the industrial sector. Key themes of IEDO's strategy for cross-sector technologies include:

1. Transforming electricity into useful industrial heat cost competitively and without putting undue stress on the grid;
2. Developing combustion systems that enable fuel switching to hydrogen and other low- carbon fuels;
3. Developing systems for the onsite production, storage, delivery, and recovery of energy;
4. Reducing barriers to the integration of low-carbon electricity with industrial loads;
5. Improving the energy efficiency of industrial processes; and
6. Reducing the energy used for industrial water and wastewater treatment.

The FOA will address a subset of these priorities, as described in the topics listed below. Topics 1 and 2 are anticipated to allow for multiple tiers of funding: a lower tier for research and development-only projects and a higher tier for projects that include scope for technology demonstration integrated into industrial operations. All topics are expected to allow applications between Technology Readiness Level (TRL) 3 and 7.

Topic Area 1 - Electrification of Industrial Heat

Topic Area 2 - Next-Generation Energy Systems

Topic Area 3 - Decarbonizing Organic Wastewater and Wet Waste Treatment

EERE plans to issue the FOA on or about November 2023 via the EERE eXCHANGE website <https://eere-eXCHANGE.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in EERE eXCHANGE. When the FOA is released, applications will be accepted only through EERE eXCHANGE.

This notice of intent (NOI) is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

- [Notice of Intent DE-FOA-0003205 IEDO FY24 Cross-Sector Technologies FOA](#) (Last Updated: 10/22/2023 09:48 PM ET)

CONTACT INFORMATION

- EERE-eXCHANGESupport@hq.doe.gov
Questions regarding EERE Exchange website

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-LC-0000110: NOTICE OF INTENT TO PUBLISH THE FY24 TECHNOLOGY COMMERCIALIZATION FUND BASE ANNUAL APPROPRIATIONS CORE LABORATORY INFRASTRUCTURE FOR MARKET READINESS LAB CALL

The U.S. Department of Energy's (DOE's) Office of Technology Transitions (OTT) intends to issue its base annual appropriated Technology Commercialization Fund (TCF) solicitation, a call for proposals from DOE National Laboratories, DOE Plants and Sites (DOE National Labs and Facilities). The goal of TCF is to improve America's energy competitiveness and security by accelerating commercialization and the shepherding of critical clean energy technologies from the Lab to the market, where the private sector will continue to innovate.

The estimated DOE funding available for this Lab Call is \$37.7 to \$44 million, based on the FY23 budget. The FY24 CLIMR Lab Call represents the combined effort of fourteen distinct DOE Program Offices and OTT.

DOCUMENTS

- [FY24_TCF_Base_CLIMR_Notice_of_Intent](#) (Last Updated: 10/13/2023 10:56 AM ET)

CONTACT INFORMATION

- TCF@hq.doe.gov
For questions related to TCF.
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003189: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0003103

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Water Power Technologies Office (WPTO), a Funding Opportunity Announcement (FOA) entitled "Strategies to Increase Hydropower Flexibility."

The FOA supports complementary strategies for increasing and improving the flexibility of hydropower at multiple scales. WPTO's HydroWIRES Initiative seeks to understand, enable, and improve the contribution of hydropower, including pumped storage hydropower (PSH) to reliability, resilience, and integration in the rapidly evolving U.S. electricity system. Hydropower's flexibility is central to enhancing all these contributions.

It is anticipated that the FOA may include the following Topic Areas:

1. Hybridized Hydropower Demonstration
2. Technologies to Increase Flexibility
3. Operational Flexibility

This notice of intent (NOI) is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

- [DE-FOA-0003189_Notice_of_Intent](#) (Last Updated: 10/12/2023 08:03 AM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov EERE Exchange Helpdesk

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

TPL-0000025: DE-FOA-0003121: INSTALLATION NOISE REDUCTION AND RELIABLE MOORINGS FOR OFFSHORE WIND AND MARINE ENERGY

This Funding Opportunity Announcement (FOA) is being issued by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) on behalf of the Wind Energy Technologies Office (WETO), the Water Power Technologies Office (WPTO), as well as the U.S. Department of the Interior's Bureau of Ocean Energy Management (BOEM) and Bureau of Safety and Environmental Enforcement (BSEE). The goals of this FOA are to:

- Improve the reliability of moorings for floating offshore wind energy and marine energy converters; and
- Reduce noise associated with installing fixed-bottom offshore wind energy foundations.

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003121: INSTALLATION NOISE REDUCTION AND LIABLE MOORINGS FOR OFFSHORE WIND AND MARINE ENERGY

This Funding Opportunity Announcement (FOA) is being issued by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) on behalf of the Wind Energy Technologies Office (WETO), the Water Power Technologies Office (WPTO), as well as the U.S. Department of the Interior's Bureau of Ocean Energy Management (BOEM) and Bureau of Safety and Environmental Enforcement (BSEE). The goals of this FOA are to:

- Improve the reliability of moorings for floating offshore wind energy and marine energy converters; and
- Reduce noise associated with installing fixed-bottom offshore wind energy foundations.

Please Note: In the event that an applicant experiences technical difficulties with a submission, the applicant should contact the eXCHANGE helpdesk for assistance at eere-exchangesupport@hq.doe.gov

DOCUMENTS

- [Funding Opportunity Announcement \(FOA\) DE-FOA-0003121.0004](#) (Last Updated: 2/29/2024 05:19 PM ET)
- [FOA 3121 Q&A Spreadsheet](#) (Last Updated: 2/29/2024 08:35 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- eere-exchangesupport@hq.doe.gov EERE Help Desk
- WETO.OSW@ee.doe.gov FOA Mailbox

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 11/9/2023 5:00 PM ET
- Full Application Submission Deadline: 3/1/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 10/15/2024 8:00 AM ET – 10/15/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003141: INNOVATIVE DESIGNS FOR HIGH-PERFORMANCE LOW-COST HVDC CONVERTERS (IDEAL HVDC)

The U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) is issuing, on behalf of the Wind Energy Technologies Office (WETO) and Office of Electricity (OE), this Funding Opportunity Announcement (FOA).

The research and development (R&D) activities to be funded under this FOA will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. Specifically, this FOA will invest in R&D to support continued innovation and cost reduction for high-voltage direct current (HVDC) voltage-source converter (VSC) transmission systems. This investment is intended to enable future grid upgrades required to integrate increasing renewable energy generation on to the grid, both onshore and offshore.

Topic Area 1: Innovative Designs for HVDC VSC Technology

Please note: In the event that an applicant experiences technical difficulties with a submission, the applicant should contact the eXCHANGE helpdesk at eere-exchangesupport@hq.doe.gov

DOCUMENTS

- [DE-FOA-0003141 - IDEAL HVDC FOA](#) (Last Updated: 2/26/2024 11:52 AM ET)
- [FOA 3141 Q&A](#) (Last Updated: 2/26/2024 11:54 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- eere-exchangesupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.
- wetofoa@ee.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 11/14/2023 5:00 PM ET
- Full Application Submission Deadline: 2/5/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 3/20/2024 5:00 PM ET – 3/26/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

To apply, please register with the American-Made Network online application portal, HeroX, at [Energy Program for Innovation Clusters \(EPIC\) Round 3 | HeroX](#). Rules and required forms for Full Applications are available on the HeroX website.

EPIC Round 3 Overview:

The Energy Program for Innovation Clusters (EPIC) Round 3 is a \$4 million to \$9 million (pending FY24 appropriations) program to support incubators developing new programs that support energy entrepreneurs and startups.

The U.S. Department of Energy (DOE's) Office of Technology Transitions (OTT) developed EPIC to encourage robust growth of regional energy innovation ecosystems across the United States. Innovation ecosystems, or clusters, increase the productivity of startups, drive the direction and pace of innovation, and stimulate the formation of new businesses, which further reinforces the cluster itself.

In this program, (DOE) seeks to fund organizations that aid in the development of new business ventures, including incubators, accelerators, co-working startup communities, or any other organizations that self-identify as advocates for innovation and entrepreneurship. DOE encourages these organizations to compete in EPIC.

This program consists of five components:

1. **Phase 1 - Prize Competition:** Competitors will design a minimum viable program (MVP) and demonstrate that they have a plan, access to the right networks, and the skills and expertise to successfully implement their MVP. It is expected that during Phase 1, competitors solicit and incorporate feedback from key stakeholders on their program design to ensure they can start implementing quickly in Phase 2.

Any non-governmental entity that meets the eligibility requirements can apply to Phase 1. Winners will each receive a \$150,000 cash prize.

2. **Phase 2 – Prize Competition Resulting in a Cooperative Agreement:** Only winners of Phase 1 are eligible to compete in Phase 2. In Phase 2, competitors will begin implementation of their MVP and should move as quickly as possible from MVP planning and program design to implementation. It is expected that by the end of Phase 2, competitors have recruited startups, successfully implemented a portion of their MVP, can speak to progress toward the metrics proposed in Phase 1, and have developed a 3-year plan to transition from MVP to full program.

Winners of Phase 2 will enter directly into negotiations with OTT for a \$1,000,000 multiyear cooperative agreement to scale their MVP.

3. **Cooperative Agreement:** The cooperative agreement will provide the winners of EPIC Phase 2 with a multiyear, stable source of funding - contingent on satisfactory performance of agreed upon goals - to scale the highest potential EPIC MVPs to support energy tech startups and grow their regional innovation ecosystems. All cooperative agreements will be governed by 2CFR200 and 2CFR910.

4. **Startup Pitch Competitions:** As part of EPIC, OTT and NREL will host at least two national pitch competitions for energy-related startups. The competing startups will be nominated by EPIC winners (past and present). Competing startups must be focused on hard-tech development. \$105,000 is available to energy-related startups for each pitch competition.

5. **Bonus Prizes:** EPIC is intended to serve as a scalable and replicable framework for efficiently deploying support to incubators serving energy entrepreneurs and startups. At any time, DOE Technical Program Offices may leverage this framework by sponsoring one or more Bonus Prizes up to \$600,000 in additional prizes. These Bonus Prizes may be added to any of the three previous categories (Prize Competition, Cooperative Agreement, or Startup Pitch Competition). At this time there are not any current Bonus Prizes, but they may be added at any point. Any updates will be posted on the HeroX page.

To apply, please register with the American-Made Network online application portal, HeroX, at [Energy Program for Innovation Clusters \(EPIC\) Round 3 | HeroX](#). Rules and required forms for Full Applications are available on the HeroX website.

DOCUMENTS

- [EPIC Round 3 Overview](#) (Last Updated: 9/21/2023 05:54 PM ET)

WEBINAR DETAILS

OTT will host an EPIC Round 3 Informational Webinar in Fall 2023. Please visit the [EPIC Round 3 page on HeroX.com](#) for more information.

CONTACT INFORMATION

- OTT-EPIC@hq.doe.gov

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0003157: SUSTAINABLE AVIATION FUEL (SAF) GRAND CHALLENGE: BUILDING SUPPLY CHAINS REQUEST FOR INFORMATION

Please see the full RFI document in the **Documents** section below.

Amendment 000001 - The purpose of this amendment is to extend the submission deadline for DE-FOA-0003157 Request for Information (RFI) Sustainable Aviation Fuel Grand Challenge Building Supply Chains from November 2, 2023 to November 17, 2023.

The Sustainable Aviation Fuel (SAF) Grand Challenge set forth long-term goals to reduce cost, enhance sustainability, and expand domestic production of sustainable aviation fuel. The SAF Grand Challenge Roadmap outlines a whole-of-government approach, with coordinated policies and specific activities, that should be undertaken by federal agencies to support achievement of both the 2030 and 2050 SAF Grand Challenge goals.

The SAF Grand Challenge Roadmap lists "Building Supply Chains" as one of six major action areas with the potential to impact the SAF Grand Challenge objectives. This action area encompasses an extremely complicated system of systems and this RFI seeks feedback from stakeholders to better understand the challenges facing critical elements within the SAF supply chain and to identify opportunities to enable the rapid development of effective supply chains capable of meeting future SAF demand.

Responses to this RFI must be submitted electronically to SAFSupplyChainRFI@ee.doe.gov no later than 5:00pm (ET) on November 17, 2023. Responses must be provided as attachments to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Responses must be provided as a Microsoft Word (.docx) attachment to the email, and no more than 10 pages in length, 12 point font, 1 inch margins. Only electronic responses will be accepted.

This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

Please see the full RFI document in the **Documents** section below.

DOCUMENTS

- [Amendment 000001 - DE-FOA-0003157 Request for Information \(RFI\) Sustainable Aviation Fuel Grand Challenge Building Supply Chains](#) (Last Updated: 11/1/2023 03:31 PM ET)

CONTACT INFORMATION

- SAFSupplyChainRFI@ee.doe.gov
- EERE-ExchangeSupport@hq.doe.gov

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: 11/17/2023 5:00 PM ET

DE-FOA-0003080: SOLAR-THERMAL FUELS AND THERMAL ENERGY STORAGE VIA CONCENTRATED SOLAR-THERMAL ENERGY

This funding opportunity announcement (FOA) is being issued by the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) Solar Energy Technologies Office (SETO). This FOA will advance the Biden Administration's goals to achieve carbon pollution-free electricity by 2035 and to "deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050" to the benefit of all Americans. The research, development, and demonstration (RD&D) activities to be funded under this FOA will support the government-wide approach to the climate crisis by driving innovations that can lead to the largescale deployment of clean energy technologies.

Specifically, this FOA will implement two approaches to energy storage in concentrated solar-thermal (CST) systems: thermochemical storage via solar fuel production and local thermal energy storage (TES) for dispatchable energy. The two technologies will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection.

MOD 00001: Modified the Full Application Deadline and expected date for Selections Notifications; see the cover page of the FOA.

DOCUMENTS

- [DE-FOA-0003080-Solar-thermal Fuels and Thermal Energy Storage via Concentrated Solar-thermal Energy_MOD_000001](#) (Last Updated: 11/30/2023 04:53 PM ET)
- [DE-FOA-0003080 Solar-thermal Fuels and Thermal Energy Storage via Concentrated Solar-thermal Energy](#) (Last Updated: 9/21/2023 12:13 PM ET)
- [FOA_QA_Spreadsheet - 3080_2024_07_25](#) (Last Updated: 7/25/2024 10:46 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

Informational Webinar;

10/16/2023 1:00 p.m. ET

Webinar Registration Link: [Register Here](#)

- [Slide deck for the FY23 Solar - Thermal Fuels and Thermal Energy Storage Webinar](#) (Last Updated: 10/23/2023 03:51 PM ET)

CONTACT INFORMATION

- SETO.FOA.CSP@ee.doe.gov For questions regarding this FOA
- EERE-eXCHANGEsupport@hq.doe.gov For questions about eXCHANGE

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 11/3/2023 5:00 PM ET
- Full Application Submission Deadline: 2/1/2024 5:00 PM ET
- View Full Application Reviewer Comments Period: 3/7/2024 5:00 PM ET – 3/14/2024 5:00 PM ET

DE-000023: TEAMING PARTNER LIST FOR CRITICAL MATERIALS ACCELERATOR FOA

This Teaming Partner List is for the Critical Materials Accelerator Notice of Intent issued by the Advanced Materials and Manufacturing Technologies Office (AMMTO).

DOE is compiling a Teaming Partner List to facilitate the formation of new project teams for the FOA. All entities interested in participating as part of an applicant team can provide their contact information for the Teaming Partner List. The list allows organizations to express their interest and to explore potential partnerships, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); and partnerships with Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or tribal nations.

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003154: NOTICE OF INTENT TO ISSUE CRITICAL MATERIALS ACCELERATOR FUNDING OPPORTUNITY ANNOUNCEMENT

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Advanced Materials and Manufacturing Technologies Office (AMMTO), a Funding Opportunity Announcement (FOA) entitled, "Critical Materials Accelerator".

The global effort to reduce carbon emissions is accelerating demand for clean energy technologies and the materials they rely on. The United States seeks to strengthen domestic supply of materials that are essential to a decarbonized energy infrastructure. Projects funded under this FOA will prototype and mature technologies or processes that address critical material challenges in high impact areas.

By accelerating innovative critical material manufacturing technologies, the U.S. positions itself at the forefront of clean energy production while securing a reliable domestic critical material supply chain needed to enable a clean energy future. This effort not only promotes secure and sustainable practices but also creates valuable American manufacturing jobs. It further supports communities with mining and energy backgrounds while establishing responsible and ethical networks for critical material supply.

EERE is not accepting applications for this Notice of Intent (NOI). This NOI is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

- [Notice of Intent DE-FOA-0003154 Critical Materials Accelerator FOA](#) (Last Updated: 9/21/2023 09:33 AM ET)

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-LC-000L107: FY24 SPRING ENERGY I-CORPS LAB CALL

The Office of Technology Transitions (OTT) is issuing this lab call to solicit proposals for the Energy I-Corps (EIC) program. The goal of EIC is to train researchers at the National Laboratories, plants, and sites to learn about market pathways for their technology. This call solicits proposals from National Laboratory, plant, and site technology transfer offices to participate in EIC, for researchers to develop skills in commercialization, and to investigate the market potential for DOE-funded technologies at a critical juncture on the path toward commercialization.

OTT expects to award up to \$500K across Topics 1 and 3 in this instance of the EIC lab call. However, additional funding may be available based on proposals alignment with DOE program office goals. Decisions on Topic 2 funding will be made by individual DOE program offices and partner agencies.

DOE expects to select EIC projects in the following three topics:

Topic 1: EIC Pipeline Development - This topic seeks proposals for projects and programming that have the potential to directly increase participation in EIC Training Cohorts (Topic 2) in future EIC lab calls. [Deadline - November 3, 2023; 3pm ET](#)

Topic 2: EIC Training Cohort (Cohort 18) - This topic seeks team applications to participate in EIC Cohort 18. Selected teams of researchers will participate in an intensive two-month, curriculum-based program to learn the principles of the business model canvas, define value proposition, and identify customer segments. Teams will develop hypotheses on these elements and interview at least 75 stakeholders as part of the customer discovery process to iterate on their business model canvas and to better understand the market's adoption readiness of the lab technology. [Deadline - October 27, 2023; 3pm ET](#)

Topic 3: Post EIC - This topic intends to support a small subset of the most promising EIC Training Cohort (Topic 2) graduates and U.S. National Science Foundation's Innovation Corps graduates who have a high likelihood of commercializing their National Lab, plant, site technology. The funds are not meant to support the teams' full commercialization effort. Instead, the funds are intended to cover costs of the next actionable step in technology commercialization and facilitate the teams in reaching their next source of more substantive support to continue their commercialization journey. [Deadline - November 3, 2023; 3pm ET](#)

DOCUMENTS

- [DE-LC-000L107 FY24 Spring Energy I-Corps Lab Call](#) (Last Updated: 9/20/2023 12:16 PM ET)
- [DE-LC-000L107 FY24 Spring EIC Lab Call Q&A 10.26](#) (Last Updated: 10/26/2023 10:27 AM ET)

WEBINAR DETAILS

An informational webinar was hosted on Tuesday, September 26, 2023 at 12:00 PM (ET). Please see attached presentation slides.

CONTACT INFORMATION

- EnergyCorps@hq.doe.gov
- EERE-ExchangeSupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: 11/3/2023 3:00 PM ET

DE-FOA-0003058: ADVANCING U.S. THIN-FILM SOLAR PHOTOVOLTAICS

Mod 0002: Defines prime recipient as representing the "majority of the work performed (over 50%) at I A i Program Purpose and III A i Domestic Entities, and revises the deadline for expected E/D decision and Applicant interviews.

Mod 0001: The purpose of this modification is to revise the expected date for Concept Paper Encourage/Discourage Decision date from 11/7 to 11/14, and revise the full application deadline from 12/12 to 12/18/2023.

The Advancing U.S. Thin-Film Solar Photovoltaics FOA will focus on accelerating the capabilities of two thin-film photovoltaic (PV) technologies: metal-halide perovskite PV and cadmium telluride (CdTe) PV technologies. It will fund innovative industrial research and development (R&D) projects that will enable future commercialization of hybrid tandem perovskite PV, defined as a perovskite PV in combination with another technology such as silicon or CdTe. It will also fund industrial research, development, and demonstration (RD&D) projects across the materials, equipment, installation, and performance monitoring sectors to improve the competitiveness of the domestic CdTe PV industry. This FOA promotes American leadership in thin-film PV technology by promoting the domestic manufacture of thin-film PV modules. With this goal in mind, only for-profit entities and teams led by for-profit entities may apply to this FOA (see Section III.A for more details on eligibility criteria) and all work must be performed in the United States (see Section IV.I.iii. and Appendix C).

DOCUMENTS

- [FOA Q&A Spreadsheet - 3058_2024_04_11](#) (Last Updated: 4/11/2024 11:17 AM ET)
- [DE-FOA-0003058_Advancing_U.S Mod 0002](#) (Last Updated: 11/13/2023 11:49 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

Informational Webinar:

The webinar took place on 9/26/23 at 1:00 p.m. ET.

You can download the slide deck below and [view the recording here](#) (password: cAvMZqP6).

- [Slide deck for the Advancing U.S. Thin-Film Solar Photovoltaics Informational Webinar](#) (Last Updated: 10/3/2023 03:08 PM ET)

CONTACT INFORMATION

- thinfilmFOA@ee.doe.gov
For questions regarding this FOA:
- EERE-ExchangeSupport@hq.doe.gov
For questions about Exchange

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 10/24/2023 5:00 PM ET
- Full Application Submission Deadline: 12/18/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 9/11/2023 5:00 PM ET – 9/11/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003140: NOTICE OF INTENT (NOI) TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0003121

The U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Wind Energy Technologies Office (WETO), a Funding Opportunity Announcement (FOA) entitled "Installation Noise Reduction and Reliable Moorings for Offshore Wind and Marine Energy".

It is anticipated that the FOA may include the following Topic Areas:

1. Reliable Moorings for Floating Offshore Wind and Marine Energy Systems
2. Noise Reduction for Fixed-Bottom Offshore Wind Installation

This notice of intent (NOI) is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TPL-000022: DE-FOA-0003141 TEAMING PARTNER LIST FOR IDEAL HVDC FOA

The U.S Department of Energy (DOE)'s Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Wind Energy Technologies Office (WETO) and the Office of Electricity (OE), a Funding Opportunity Announcement (FOA) entitled "Innovative DEsigns for high-performAnce Low-cost HVDC Converters (IDEAL HVDC)".

The activities under this anticipated FOA support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. Specifically, the planned FOA would invest in research and development to support continued innovation and cost reduction for high-voltage direct current (HVDC) voltage source converter (VSC) transmission systems. This investment is intended to enable future cost-effective grid upgrades required to integrate increasing renewable energy generation on to the grid, both onshore and offshore.

DOE is compiling a "Teaming Partner List" to facilitate the formation of new project teams for this FOA. The Teaming Partner List allows organizations to express their interest and to explore potential partnerships, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); and partnerships with Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or tribal nations.

Updates to the Teaming Partner List will be available in the EERE Exchange website. The Teaming Partner List will be regularly updated to reflect new teaming partners who provide their organization's information.

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions regarding EERE-Exchange

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003142: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0003141

The U.S Department of Energy (DOE)'s Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Wind Energy Technologies Office (WETO) and the Office of Electricity (OE), a Funding Opportunity Announcement (FOA) entitled "Innovative DEsigns for high-performAnce Low-cost HVDC Converters (IDEAL HVDC)".

The activities under this anticipated FOA support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. Specifically, the planned FOA would invest in research and development to support continued innovation and cost reduction for high-voltage direct current (HVDC) voltage source converter (VSC) transmission systems. This investment is intended to enable future cost-effective grid upgrades required to integrate increasing renewable energy generation on to the grid, both onshore and offshore.

This notice of intent (NOI) is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

- [Notice_of_Intent__\(NOI\)_0003142_IDEAL_HVDC_Final](#) (Last Updated: 8/30/2023 01:34 PM ET)

CONTACT INFORMATION

- eere-exchangesupport@hq.doe.gov EERE Helpdesk

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: TBD
- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003129: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0003097

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Water Power Technologies Office (WPTO) and the Wind Energy Technologies Office (WETO), a Funding Opportunity Announcement (FOA) entitled "Marine Energy University Foundational R&D."

This FOA supports EERE's goals of increasing energy affordability, domestic economic prosperity, and energy security while enhancing the reliability and resiliency of the U.S. power grid. To achieve these goals, WPTO and WETO will fund research related to marine energy renewable energy technologies under this FOA. Marine energy is inclusive of energy from waves, tides, currents, and/or ocean thermal gradients.

It is anticipated that the FOA may include the following Topic Areas:

1. Open-Source Marine Energy Converter (MEC) Test Platforms to Produce Open-Source Data
2. Sustainable & Scalable Offshore Wind, Marine Energy, and Aquaculture
3. Undergraduate Senior Design and/or Research Project Development
4. Open Topic

This notice of intent (NOI) is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

- [DE-FOA-0003129_Notice_of_Intent](#) (Last Updated: 8/24/2023 10:49 AM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov EERE Exchange Helpdesk

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003119: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0003120

The anticipated FOA and any related activities support BIL section 40208, Electric Drive Vehicle Battery Recycling and Second-Life Application Program aimed at research, development, and demonstration of

- **second-life applications** for electric drive vehicle batteries that have been used to power electric drive vehicles; and
- **technologies and processes** for final recycling and disposal of the [electric drive vehicle batteries].

DOCUMENTS

- [NOI_BIL_DE-FOA-0003119](#) (Last Updated: 8/17/2023 08:29 AM ET)

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0003156: DEVELOPMENT OF GREEN SHIPPING CORRIDORS BETWEEN THE UNITED STATES AND THE UNITED KINGDOM

Please see the full RFI document in the **Documents** section below.

The United States (U.S.) envisions green shipping corridors as maritime routes that showcase zero- and near zero- emission lifecycle fuels and technologies with the ambition to achieve zero greenhouse gas emissions across all aspects of the corridor in support of sector-wide decarbonization no later than 2050. Green shipping corridors can spur early and rapid adoption of these fuels and technologies placing the maritime industry on a pathway to full decarbonization.

Analysis has shown that achieving long-term decarbonization of the maritime industry to meet the International Maritime Organization's (IMO) objective of reaching net-zero greenhouse gas (GHG) emissions from international shipping close to 2050 would require 5% of the international fuel mix be made up of well-to-wake zero- and near zero- emission fuels by 2030. To reach this tipping point, demonstration of not only standalone technologies, but entire shipping networks and systems is needed.

The U.S. and the United Kingdom (UK) are publishing simultaneous, but separate Requests for Information (RFIs) to help lay the groundwork for the establishment of green shipping corridors between the two countries. The purpose of this RFI is to solicit feedback from maritime stakeholders including ports, shippers, cargo owners, fuel producers, marine terminal operators (MTO), trade organizations, industry, academia, research laboratories, government agencies, and other stakeholders on issues related to the establishment of green shipping corridors between the U.S. and the UK.

Responses to this RFI must be submitted electronically to GreenShipping@ee.doe.gov no later than 5:00pm (ET) on September 29th, 2023. Responses must be provided as attachments to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Responses must be provided as a Microsoft Word (.docx) attachment to the email, and no more than 10 pages in length, 12 point font, 1 inch margins. Only electronic responses will be accepted.

This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

Please see the full RFI document in the **Documents** section below.

DOCUMENTS

- [DE-FOA-0003156 RFI Development of Green Shipping Corridors Between the United States and the United Kingdom](#) (Last Updated: 8/7/2023 02:34 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
EERE-ExchangeSupport@hq.doe.gov
- GreenShipping@ee.doe.gov
GreenShipping@ee.doe.gov

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: 9/29/2023 5:00 PM ET

TPL-0000021: TEAMING PARTNER LIST FOR DE-FOA-0002985 BIPARTISAN INFRASTRUCTURE LAW (BIL) - MATERIALS, OPERATION, AND RECYCLING OF PHOTOVOLTAICS (MORE PV)

This Teaming Partner List is for the Bipartisan Infrastructure Law (BIL) - Materials, Operation, and Recycling of Photovoltaics (MORE PV) FOA. This FOA supports multi-stakeholder collaborations to reduce material usage, improve installation quality and resilience of PV systems, and address handling of PV systems at the end of life. This FOA calls for diverse teams to assess impact of the developed technologies on all the life stages of PV systems in terms of energy use, cost, and environmental impact. To review the full announcement details navigate to [DE-FOA-0002985 in EERE Exchange](#).

This Teaming Partner List is available to facilitate the widest possible national participation in the formation of applicant teams for the FOA. The Teaming Partner List allows organizations that may wish to participate on a project to express their interest to other applicants and explore potential partnerships.

Updates to the Teaming Partner List will be available in the [EERE Exchange website](#). The Teaming Partner List will be regularly updated to reflect new teaming partners who provide their organization's information. Please include information about your organization type/characteristics in the "Background, Interest, Capabilities" field in Exchange to help other participants identify your capabilities.

CONTACT INFORMATION

- PVRD@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0002985: BIPARTISAN INFRASTRUCTURE LAW (BIL) - MATERIALS, OPERATION, AND RECYCLING OF PHOTOVOLTAICS (MORE PV)

FOA Modification 000001: Full Application due date extended to 11/30/2023.

Through this Funding Opportunity Announcement (FOA), the Solar Energy Technologies Office (SETO) will provide funding for multi-stakeholder collaborations to reduce material usage, improve installation quality and resilience of PV systems, and address handling of PV systems at the end of life. This FOA calls for diverse teams to assess impact of the developed technologies on all the life stages of PV systems in terms of energy use, cost, and environmental impact. The holistic technological solutions developed in the projects funded by this FOA will facilitate rapid growth of PV deployment in the U.S. in the next decade.

Topic Area 1: MORE Connection: Connecting PV Materials, Design, Installation, Performance, and End of Life

This Topic Area will use \$12 million of non-Bipartisan Infrastructure Law (BIL) funding to fund collaborations of diverse stakeholders who can bring expertise from all life stages of the PV system lifecycle to reduce cost and lifecycle impacts of a PV system and its components, including co-located storage. Projects funded in this topic area will develop technology and design solutions to optimize the interconnected energy, economic, and environmental impact metrics in pursuit of rapid and sustainable scale-up of PV technologies.

Specific areas of interest include:

- Design of PV systems and PV system components that minimizes the use of materials, especially critical materials.
- Development of characterization and non-destructive testing of bill of materials (BOM) of PV system components throughout their life.
- Development and implementation of holistic design for engineering, procurement, and construction (EPC) of PV systems that can simultaneously optimize energy, economic, and environmental metrics during the system's useful life under relevant operating conditions, in a high deployment environment.
- Scalable hardware and software solutions for robust, error-free, low-maintenance tools, components, and methods for installation, quality management, and maintenance.

Topic Area 2: Solar Partnership to Advance Recycling and Circularity (Solar PARC)

This topic area uses funds designated by the BIL and seeks to fund one research partnership at a maximum of \$8 million dedicated to improving materials recovery efficiency and developing safe end-of-life (EOL) practices for PV system components, including modules, inverters, and other balance-of-system (BOS) components. The partnership will focus on technologies and methods to enable low-cost reuse, refurbishing, repair, and recycling of photovoltaic materials, and best practices for safe disposal of these materials, and will include data collection, analysis, and working groups to enable effective collaborations and technology transfer.

The teaming list for the FOA is TPL-0000021: TEAMING PARTNER LIST FOR DE-FOA-0002985 MATERIALS, OPERATION, AND RECYCLING OF PHOTOVOLTAICS (MORE PV).

DOCUMENTS

- [Funding Opportunity Announcement](#) (Last Updated: 11/20/2023 06:42 PM ET)
- [MORE PV FOA Q&A](#) (Last Updated: 8/21/2024 05:14 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

MORE PV FOA informational webinar was held on Wednesday, July 26th at 1:00pm ET.

[Webinar Recording](#)

- [MORE PV FOA Informational Webinar Slides](#) (Last Updated: 7/27/2023 04:41 PM ET)
- [MORE PV FOA Informational Webinar Transcript](#) (Last Updated: 7/27/2023 04:41 PM ET)

CONTACT INFORMATION

- PVRD@ee.doe.gov
For questions related to the content of the FOA.
- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Letter of Intent Deadline: 9/6/2023 5:00 PM ET
- Concept Paper Submission Deadline: 9/13/2023 5:00 PM ET
- Full Application Submission Deadline: 11/30/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 1/8/2024 12:00 PM ET – 1/13/2025 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003057: BIPARTISAN INFRASTRUCTURE LAW: SILICON SOLAR MANUFACTURING, AND DUAL-USE PHOTOVOLTAICS INCUBATOR

Mod 000001: Added “Applicant Education Services” section IV.A.ii.

This funding opportunity announcement (FOA) is being issued by the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE), Solar Energy Technologies Office (SETO). Some of the awards made under this FOA will be funded with funds appropriated by the Infrastructure Investment and Jobs Act, also known as the Bipartisan Infrastructure Law (BIL).

BIL is a once-in-a-generation investment in modernizing and upgrading American infrastructure to enhance U.S. competitiveness, drive the creation of good-paying union jobs, tackle the climate crisis, and ensure strong access to economic, environmental, and other benefits for disadvantaged communities. BIL appropriates more than \$62 billion to the U.S. Department of Energy (DOE)⁴ to invest in American manufacturing and workers; expand access to energy efficiency and clean energy; deliver reliable, clean, and affordable power to more Americans; and demonstrate and deploy the technologies of tomorrow through clean energy demonstrations.

DOE's BIL investments will support efforts to build a clean and equitable energy economy that achieves a zero-carbon electricity system by 2035, and to put the United States on a path to achieve net-zero emissions economy-wide by no later than 2050 to benefit all Americans.

This FOA will invest appropriations of \$45 million over three years for development of new solar photovoltaics (PV) technologies to improve U.S. domestic manufacturing and competitiveness and secure our domestic energy supply chains.

The activities under this FOA are partly funded by BIL section 41007(c)(2)—the Advanced Solar Energy Manufacturing Initiative, which appropriates \$20 million to carry out this activity, and was authorized by the Energy Act of 2020. In addition, appropriations from fiscal year 2023 will be used, authorized under Division Z Section 3004(b) of the Energy Act of 2020, (42 U.S.C. 16238(b)). These activities support the broader government-wide approach to strengthening critical domestic manufacturing and supply chains and to maximize the benefits of the clean energy transition as the nation works to curb the climate crisis, empower workers, and advance environmental justice. These BIL sections are focused on: Photovoltaics and Manufacturability of low cost, high quality solar systems

This funding opportunity has two topic areas. Topic 1 is focused on demonstration activities that support the domestic silicon PV module supply chain. Topic 2 is focused on RD&D and product development for dual-use PV with the aim of developing these market segments in the United States and increasing deployment. In both Topic Areas, SETO funding aims to retire technical, business, and market risks of solar hardware to validate pathways to commercial success through customer engagement and trials. Successful awardees will be well positioned to attract follow-on private investment, grow their businesses, generate revenue, and create jobs. This will help address SETO's aims to support U.S. manufacturing across the solar value chain.

DOCUMENTS

- [DE-FOA-0003057 - BIL Silicon Solar Manufacturing, and Dual-use Photovoltaics Incubator Mod 000001](#) (Last Updated: 7/18/2023 12:45 PM ET)
- [FOA Q&A Spreadsheet - 3057 2023 11 14](#) (Last Updated: 11/14/2023 12:01 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

July 12, 2023, 4:00pm ET

Get Support

- [3057_BIL_FOA_Webinar_-_2023_07_12_FINAL](#) (Last Updated: 7/13/2023 10:05 AM ET)

CONTACT INFORMATION

- solar.manufacturing@ee.doe.gov
For questions about this FOA
- EERE-eXCHANGESupport@hq.doe.gov
For questions about EERE eXCHANGE

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 9/27/2023 5:00 PM ET
- Full Application Submission Deadline: 11/14/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 5/21/2024 5:00 PM ET – 5/28/2025 5:00 PM ET

TPL-0000020: TEAMING PARTNER LIST FOR DE-FOA-0003058: ADVANCING U.S. THIN-FILM SOLAR PHOTOVOLTAICS

This Teaming Partner List is for the Advancing U.S. Thin-Film Solar Photovoltaics Funding Opportunity Announcement (FOA). This FOA will focus on accelerating the capabilities of two thin-film photovoltaic (PV) technologies: metal-halide perovskite PV and cadmium telluride (CdTe) PV technologies. It will fund innovative industrial research and development (R&D) projects that will enable future commercialization of hybrid tandem perovskite PV, defined as a perovskite PV in combination with another technology such as silicon or CdTe. It will also fund industrial research, development, and demonstration (RD&D) projects across the materials, equipment, installation, and performance monitoring sectors to improve the competitiveness of the domestic CdTe PV industry. This FOA promotes American leadership in thin-film PV technology by promoting the domestic manufacture of thin-film PV modules. With this goal in mind, only for-profit entities and teams led by for-profit entities may apply to this FOA and all work must be performed in the United States.

The United States has world-leading domestic research and development (R&D) capabilities in thin-film PV across a multitude of universities and national laboratories. The United States is also in the process of rebuilding PV manufacturing equipment capabilities. It is expected that private for-profit entities, who are the target prime recipients for this FOA, will benefit greatly from developing strong partnerships with this ecosystem. As such, teaming arrangements are strongly encouraged.

This Teaming Partner List is available to facilitate the widest possible national participation in the formation of applicant teams for the FOA. The Teaming Partner List allows organizations that may wish to participate on a project to express their interest to other applicants and explore potential partnerships.

This FOA will encourage potential applicants to form partnerships with academia, national laboratories, other industry members, supply chain partners, equipment developers, and with institutions representing diverse individuals such as, but not limited to, tribal communities; minority-serving institutions (MSI), including historically black colleges and universities (HBCU) and other minority institutions (OMI); minority business enterprises; minority-, woman-, and veteran-owned businesses; entities located in an underserved community or through linkages with Opportunity Zones. Applicants are particularly encouraged to partner with a diverse set of organizations to advance demonstration and field-testing activities.

Updates to the Teaming Partner List will be available in the EERE Exchange website. The Teaming Partner List will be regularly updated to reflect new teaming partners who provide their organization's information. Please include information about your organization type/characteristics in the "Background, Interest, Capabilities" field in Exchange to help other participants identify your capabilities.

CONTACT INFORMATION

- eere-exchangesupport@hq.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003060: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT (FOA) "ADVANCING U.S. THIN-FILM SOLAR"

The U.S. Department of Energy (DOE) Solar Energy Technologies Office (SETO) intends to release the Advancing U.S. Thin-Film Solar Funding Opportunity Announcement (FOA) of up to \$36 million for research, development, and demonstration projects on two major thin-film photovoltaic (PV) technologies: metal halide perovskite PV and cadmium telluride (CdTe) PV. This FOA will promote American leadership in thin-film PV technology, and the domestic manufacture of thin-film PV modules. This FOA will also support SETO in meeting Congressional direction provided in fiscal year 2023 to spend no less than \$25 million each to support the advancement of both perovskite PV and CdTe PV technologies (\$50 million in total). The FOA is expected to be released in September 2023 and is expected to be restricted to for-profit lead applicants.

Up to \$20 million will fund projects on industrial perovskite PV research and development to enable future commercialization by reaching specific thresholds of efficiency, long-term reliability, manufacturability, and economic viability. Quantitative guidelines within the NOI describe what a competitive application is expected to include for a given funding level. This information is being communicated through the NOI so potential applicants can take advantage of the intervening time before a FOA is released to identify and fill possible gaps in their capabilities.

Up to \$16 million will fund projects to advance cadmium telluride (CdTe) PV research, development, demonstration, and commercialization across the materials, equipment, installation, and performance monitoring supply chain to improve the competitiveness of the domestic CdTe PV technology industry.

SETO anticipates to award 3 or more financial assistance awards in the form of cooperative agreements. These awards will last 18-36 months, with \$3 million to 20 million federal share per project and a cost share requirement of 20-50%.

Navigate to [TPL-0000020](#) in EERE Exchange to access the Teaming Partner List for this solicitation

DOCUMENTS

- [DE-FOA-0003060 NOI to Issue Advancing US Thin-Film Solar](#) (Last Updated: 6/14/2023 01:07 PM ET)
- [Thin-Film FOA NOI Webinar Slides](#) (Last Updated: 7/10/2023 03:45 PM ET)
- [NOI-3060 Spreadsheet with questions and answers from webinar](#) (Last Updated: 7/21/2023 01:59 PM ET)

CONTACT INFORMATION

- ExchangeSupport@hq.doe.gov
Contact information for technical issues related to the EERE Exchange Website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003107: ZERO-EMISSION SHIPPING MISSION (ZESM): PROGRESSION TO NET-ZERO EMISSION FUELS STATE OF THE INDUSTRY

Amendment 000001 - DOE is extending the submission deadline for this Request for Information to August 18th, 2023.

Please see the full RFI document in the **Documents** section below.

The maritime industry set a goal to transition to net-zero emission fuels by 2050. This transformation requires coordination among all aspects of the shipping supply chain including feedstock supply, alternative fuel production, ship and engine manufacturers, port management, safety implementation, and government regulation. One of the largest and most nuanced discussions around emissions reduction is which alternative fuel(s) to utilize, which have primarily included biofuels (biodiesel, renewable diesel, bio-intermediates/residuals), renewable natural gas (RNG), methanol, hydrogen, and ammonia. Each fuel comes with its own set of regionally-sensitive advantages and disadvantages. This has made selection of future fuels extremely difficult and is one reason why the Mission Innovation: Zero Emission Shipping Mission (ZESM), which the United States co-leads with Norway, Denmark, the Global Maritime Forum, and the Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping, was formed.

To date, the ZESM created and published our Industry Road Map and Action Plan. The purpose of this RFI is to understand the maritime industry's current alternative fuels trajectory, the driving forces behind it, and the key barriers to achieving this transition to ensure the current ZESM Industry Road Map and Action Plan still align. ZESM co-lead, the Global Maritime Forum recently released the results of a 2022 survey, titled "The shipping industry's fuel choices on the path to net zero", which focused on shippers and a subset of alternative fuels. This RFI intends to supplement this survey and is an attempt to aggregate knowledge from stakeholders to help direct actions regarding future fuels. This is solely a request for information and not a Funding Opportunity Announcement (FOA).

Responses to this RFI must be submitted electronically to ZESM@ee.doe.gov no later than 5:00pm (ET) on August 18th, 2023. Responses must be provided as attachments to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Responses must be provided as a Microsoft Word (.docx) attachment to the email, and no more than 10 pages in length, 12 point font, 1 inch margins. Only electronic responses will be accepted.

This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

Please see the full RFI document in the **Documents** section below.

DOCUMENTS

- [DE-FOA-0003107 Request for Information Zero-Emission Shipping Mission \(ZESM\) Amendment 000001](#) (Last Updated: 7/13/2023 11:40 AM ET)

CONTACT INFORMATION

- ZESM@ee.doe.gov
- EERE-ExchangeSupport@hq.doe.gov

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0003085: REQUEST FOR INFORMATION TO PROVIDE FEEDBACK ON CRITICAL MATERIALS ASSESSMENT

The U.S. Department of Energy (DOE) invites public comment on its Request for Information (RFI) number DE-FOA-003085 regarding the DOE Critical Materials Assessment for energy. This RFI seeks public comment to improve the DOE Critical Materials Assessment including the methodology inclusive of the underlying data and assumptions, results, and draft list of critical materials. Specially, this RFI seeks input on the following categories: (1) Data and information to support revision of the analysis and (2) Improvements to the methodology.

EERE plans to issue the RFI on or about May 31, 2023 via the EERE eXCHANGE website <https://eere-eXCHANGE.energy.gov/>. If Applicants who wish to receive official notifications and information from EERE regarding this RFI, they should register in EERE

EXCHANGE. When the RFI is released, public comment will be accepted only through the official email account CriticalMaterialsRFI@ee.doe.gov.

Responses to this RFI must be submitted electronically to CriticalMaterialsRFI@ee.doe.gov no later than 5:00pm (ET) on June 20, 2023. Responses must be provided as attachments to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Responses must be provided as a Microsoft Word (.docx) attachment to the email, and no more than 10 pages in length, 12 point font, 1 inch margins. Only electronic responses will be accepted.

MOD0001

Revised Request for Information document to state no more than 10 pages in length instead of 5 pages.

DOCUMENTS

- [DE-EE0003085_Request_for_Information_on_Critical_Materials_Mod0001](#) (Last Updated: 6/20/2023 02:28 PM ET)

CONTACT INFORMATION

- ee-re-exchangesupport@hq.doe.gov
- CriticalMaterialsRFI@ee.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: 6/20/2023 5:00 PM ET

TPL-0000011: TEAMING PARTNER LIST FOR DE-FOA-0002881 BIPARTISAN INFRASTRUCTURE LAW (BIL): JOINT OFFICE OF ENERGY AND TRANSPORTATION RIDE AND DRIVE ELECTRIC, FISCAL YEAR 2023 FOA

This Teaming Partner List is issued in conjunction with DE-FOA-0002881 "Bipartisan Infrastructure Law (BIL) Joint Office of Energy and Transportation Ride and Drive Electric, Fiscal Year 2023 Funding Opportunity Announcement." The Teaming Partner List allows organizations that may wish to participate on an application to express their interest to other applicants and to explore potential partnerships.

CONTACT INFORMATION

- de-foa-0002881@netl.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0002881: BIPARTISAN INFRASTRUCTURE LAW (BIL) JOINT OFFICE OF ENERGY AND TRANSPORTATION RIDE AND DRIVE ELECTRIC, FISCAL YEAR 2023 FOA

****Applicants are reminded to not call or email any member of DOE or the Joint Office directly. All questions must be sent to the FOA email address below and all documents must be submitted via Exchange.****

Amendment 000002 - 07/12/2023

The purpose of this amendment is the following:

- Extend the Full Application Due Date
- Extend the timeframe for DOE Selection Notifications and timeframe for Award Negotiations

Amendment 000001 - 06/05/2023

The purpose of this amendment is the following:

- Clarified general requirement listed in Topic 1
- Clarified language in Topic 2A
- Removed the strategy listed in Topic 2B: "Development of a registered apprenticeship program approved by the U.S. Department of Labor that focuses on EV charger maintenance"
- Corrected Section VII to reflect that questions must be submitted no later than five business days prior to the application due date and time.

The Joint Office of Energy and Transportation (Joint Office), through the U.S. Department of Energy Office of Energy Efficiency and Renewable Energy (EERE), is issuing a Funding Opportunity Announcement (FOA) entitled "Joint Office of Energy and Transportation Ride and Drive Electric, Fiscal Year 2023 Funding Opportunity Announcement." Awards made under this FOA will be funded, in whole or in part, with funds appropriated by the Infrastructure Investment and Jobs Act, more commonly known as the Bipartisan Infrastructure Law (BIL).

DOCUMENTS

- [Q&A_Spreadsheet_DE-FOA-0002881_through_8.25](#) (Last Updated: 8/25/2023 12:20 PM ET)
- [DE-FOA-0002881-Amendment_000002](#) (Last Updated: 7/12/2023 11:13 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- DE-FOA-0002881@netl.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 6/16/2023 5:00 PM ET
- Full Application Submission Deadline: 8/25/2023 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0002954: WETO OFFSHORE WIND 2023 CENTERS OF EXCELLENCE

Modification 0003: The purpose is to update the language of Section IV.D.iv Letters of Commitment.

Modification 0002: The purpose is to correct inconsistent SOPO length requirements from Section IV.D.v. And to pdate Reply to Reviewer Comments expected date on cover page.

Modification 0001: The purpose is to remove erroneous Community Partnership Documentation requirement from Section IV.D.i, Full Application Content Requirements, of the FOA.

The Office of Energy Efficiency and Renewable Energy (EERE) is issuing, on behalf of the Wind Energy Technologies Office (WETO), this Funding Opportunity Announcement (FOA) titled "WETO Offshore Wind 2023 Centers of Excellence FOA".EERE expects to make a total of approximately \$4.75 million of federal funding available for new awards under this FOA, subject to the availability of appropriated funds.

The university-led Centers of Excellence funded through this opportunity are intended to accelerate and maximize the effectiveness, reliability, and sustainability of U.S. offshore wind deployment and operation through partnership with industry participants, including wind project developers and technology manufacturers; other institutions of higher education; other research institutions, such as national laboratories; non-governmental organizations; tribes; and state and local-level governments.

Applicants that experience issues with submissions PRIOR to the Deadline: In the event an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov).

DOCUMENTS

- [DE-FOA-0002954](#) (Last Updated: 7/31/2023 04:57 PM ET)
- [FOA Q&A for DE-FOA-00002954 WETO](#) (Last Updated: 1/10/2024 11:03 AM ET)

CONTACT INFORMATION

- WETOFOA@ee.doe.gov
For questions related to the content of the FOA.
- EERE-eXCHANGESupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 6/8/2023 5:00 PM ET
- Full Application Submission Deadline: 8/28/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 10/4/2023 5:00 PM ET – 10/11/2023 5:00 PM ET

DE-FOA-0002845: BIPARTISAN INFRASTRUCTURE LAW (BIL), SECTION 41006(A)(2): U.S. TIDAL ENERGY ADVANCEMENT

Modification 0003:

The purpose of this modification is to include language for TA2 applications outlining requirements for Letters of Intent, Letters of Support, and Letters of Commitment on page 45 and to update Letters of Commitment language in Section IV.D.iv on page 94. These are required for TA2.

Modification 0002:

The purpose of this modification is to clarify language to:

Better distinguish between site market transformation and technology transformation plan (pages 20, 27, 28, 38, 121, 121).

Further clarifying teaming arrangements in full applications between site developer and technology developers, demonstrating past successful relevant experiences and further demonstrating commitments between partners (page 124).

Highlight of the importance of site commercialization and technology integration, removing potentially confusing references to any 'product' commercialization (page 121).

Highlight stakeholder support to commercialization of the site in the Industry Adoption Plan (page 122).

Modification 0001:

1. The purpose of this modification is to clarify language on Page 17: WPTO's longer term vision for the site is to have this site expand to include additional devices.

The Water Power Technologies Office (WPTO) is issuing this Funding Opportunity Announcement (FOA) "Bipartisan Infrastructure Law (BIL), Section 41006(a)(2): U.S. Tidal Energy Advancement" to significantly advance the state of tidal and/or current technologies in the U.S. Awards made under this FOA will be funded with funds appropriated by the Infrastructure Investment and Jobs Act[1], more commonly known as the Bipartisan Infrastructure Law (BIL).

Through this FOA, DOE will invest \$35,000,000 under Section 41006(a)(2) to fund the first large-scale investment for the development of a pilot tidal and/or current Research, Development and Demonstration (RD&D) site in the U.S., with the aim to position tidal and/or current energy generation as a key clean energy contributor ready for net-zero emissions power sector while creating good jobs. An additional \$10,000,000 under Section 41006(a)(2) will be invested in a community-led tidal and/or current energy project, where balancing community energy priorities and technology innovation will accelerate tidal and current energy technologies for the generation of power to promote the resilience and economic development of coastal communities.

Topic Area 1: Tidal and/or Current Site Development

Topic Area 2: Community-Led Tidal and/or Current Energy Planning and Project Execution (**Applications must be submitted under DE-TA2-0002845**)

Please Note: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov).

DOCUMENTS

- [BIL 41006.a2 EERE Tidal FOA FINAL MOD 0003](#) (Last Updated: 8/24/2023 05:34 PM ET)
- [FOA2845 Bipartisan Infrastructure Law Section 41006\(a\)\(2\) U.S. Tidal Energy Advancement Webinar – Text Version](#) (Last Updated: 6/29/2023 12:09 PM ET)
- [Q&A Spreadsheet DE-FOA-0002845 \(Updated on 10/12/2023\)](#) (Last Updated: 10/12/2023 11:41 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

An Informational [Webinar](#) will be held on May 30, 2023.

(<https://doe.webex.com/webex/register/rfe17dc1ebf741411b185162bddd624>)

CONTACT INFORMATION

- MarineEnergyFOA@ee.doe.gov
- EERE-ExchangeSupport@hq.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 6/5/2023 5:00 PM ET
- Full Application Submission Deadline: 7/25/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 9/8/2023 11:00 AM ET – 9/21/2023 5:00 PM ET

DE-TA2-0002845: BIPARTISAN INFRASTRUCTURE LAW (BIL), SECTION 41006(A)(2) U.S. TIDAL ENERGY ADVANCEMENT

Modification 0003:

The purpose of this modification is to include language for TA2 applications outlining requirements for Letters of Intent, Letters of Support, and Letters of Commitment on page 45 and to update Letters of Commitment language in Section IV.D.iv on page 94. These are required for TA2.

Modification 0002:

The purpose of this modification is to clarify language to:

Better distinguish between site market transformation and technology transformation plan (pages 20, 27, 28, 38, 121, 121).

Further clarifying teaming arrangements in full applications between site developer and technology developers, demonstrating past successful relevant experiences and further demonstrating commitments between partners (page 124).

Highlight of the importance of site commercialization and technology integration, removing potentially confusing references to any 'product' commercialization (page 121).

Highlight stakeholder support to commercialization of the site in the Industry Adoption Plan (page 122).

Modification 0001:

The purpose of this modification is to clarify language on Page 17: WPTO's longer term vision for the site is to have this site expand to include additional devices.

Topic Area 2 Applicants only

The Water Power Technologies Office (WPTO) is issuing this Funding Opportunity Announcement (FOA) "Bipartisan Infrastructure Law (BIL), Section 41006(a)(2): U.S. Tidal Energy Advancement" to significantly advance the state of tidal and/or current technologies in the U.S.

Awards made under this FOA will be funded with funds appropriated by the Infrastructure Investment and Jobs Act[1], more commonly known as the Bipartisan Infrastructure Law (BIL).

Through this FOA, DOE will invest \$35,000,000 under Section 41006(a)(2) to fund the first large-scale investment for the development of a pilot tidal and/or current Research, Development and Demonstration (RD&D) site in the U.S., with the aim to position tidal and/or current energy generation as a key clean energy contributor ready for net-zero emissions power sector while creating good jobs. An additional \$10,000,000 under Section 41006(a)(2) will be invested in a community-led tidal and/or current energy project, where balancing community energy priorities and technology innovation will accelerate tidal and current energy technologies for the generation of power to promote the resilience and economic development of coastal communities.

Topic Area 1: Tidal and/or Current Site Development (**Applications must be submitted under DE-FOA-0002845**)

Topic Area 2: Community-Led Tidal and/or Current Energy Planning and Project Execution (**Applications must be submitted under DE-TA2-0002845**)

Please Note: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov).

DOCUMENTS

- [BIL 41006.a2 EERE Tidal DE-FOA-0002845 FINAL MOD 0003](#) (Last Updated: 8/24/2023 05:38 PM ET)
- [FOA2845 Bipartisan Infrastructure Law Section 41006\(a\)\(2\) U.S. Tidal Energy Advancement Webinar – Text Version](#) (Last Updated: 6/29/2023 12:10 PM ET)
- [Q&A Spreadsheet DE-FOA-0002845 \(Updated on 10/12/2023\)](#) (Last Updated: 10/12/2023 11:42 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

An Informational [Webinar](#) will be held on May 30, 2023 at 3:00pm ET.

(<https://doe.webex.com/webex/register/rffe17dc1ebf741411b185162bddd624>)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
- MarineEnergyFOA@ee.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 7/13/2023 11:00 PM ET
- Full Application Submission Deadline: 10/19/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 12/5/2023 4:00 PM ET – 12/8/2023 5:00 PM ET

DE-FOA-0003084: NOTICE OF INTENT TO ISSUE CRITICAL MATERIALS ASSESSMENT REQUEST FOR INFORMATION

The U.S. Department of Energy (DOE) invites public comment on its Request for Information (RFI) number DE-FOA-003085 regarding the DOE Critical Materials Assessment for energy. This RFI seeks public comment to improve the DOE Critical Materials Assessment including the methodology inclusive of the underlying data and assumptions, results, and draft list of critical materials. Specially, this RFI seeks input on the following categories: (1) Data and information to support revision of the analysis and (2) Improvements to the methodology.

This Notice of Intent (NOI) is for informational purposes only. Any information contained in this NOI is subject to change. Questions and comments regarding this NOI are not being sought and will not be accepted for consideration at this time.

EERE plans to issue the RFI on or about May 31, 2023 via the EERE eXCHANGE website <https://eere-eXCHANGE.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding this RFI, they should register in EERE eXCHANGE. When the RFI is released, public comment will be accepted only through an official email account that will be specified in the RFI.

DOCUMENTS

- [Notice of Intent Critical Materials Assessment RFI](#) (Last Updated: 5/3/2023 08:25 AM ET)

CONTACT INFORMATION

- eere-exchangesupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TPL-0000018: TEAMING PARTNERS LIST FOR DE-FOA-0003034: (OPTIMA) OPERATIONS AND PLANNING TOOLS FOR INVERTER-BASED RESOURCE MANAGEMENT AND AVAILABILITY FOR FUTURE POWER SYSTEMS

This Teaming Partners List is for DE-FOA-0003034: Operations and Planning Tools for Inverter-Based Resource Management and Availability for Future Power Systems (OPTIMA).

A teaming partner list may be used to facilitate the formation of new project teams for the announcement/topic area. The list allows organizations to express their interest and to explore potential partnerships, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); and partnerships with Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or tribal nations.

DOCUMENTS

- [Topic Information](#) (Last Updated: 4/20/2023 12:16 PM ET)

CONTACT INFORMATION

- SETO.OPTIMA.FOA@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0003034: OPERATION AND PLANNING TOOLS FOR INVERTER-BASED RESOURCE MANAGEMENT AND AVAILABILITY FOR FUTURE POWER SYSTEMS (OPTIMA)

Modification 000002: The Full Application Submissions Deadline has been extended.

Modification 000001: The Concept Paper Submissions Deadline has been extended.

This Funding Opportunity Announcement (FOA) is being issued by the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) Solar Energy Technologies Office (SETO). This FOA will advance the Biden Administration's goals to achieve carbon pollution-free electricity by 2035 and to "deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050" to the benefit of all Americans.

The research, development, and demonstration (RD&D) activities to be funded under this FOA will support the government-wide approach to the climate crisis by driving innovations that can lead to the large-scale deployment of clean energy technologies.

This FOA will fund research in three (3) Topics Areas that develop technologies to address emerging challenges and enhance the benefits of variable renewable energy sources (VRE), inverter-based resources (IBR), and distributed energy resources (DER), in utility long-term planning activities and the daily operation of the grid. The new state-of-the-art planning and operations tools developed under this FOA will enable solar energy to be more optimally utilized over time and allow it to be utilized in place of traditional generation, providing Americans with more cheap and secure sources of clean energy.

Topic Area 1: System Planning Tools for Future Power Systems

This topic seeks to improve the long-term planning process of the bulk power grid by incorporating the unique features of VRE and new technologies that support VRE into the planning process.

Topic Area 2: Variability Management in Grid Operations

Projects funded under this topic area will develop tools for grid operators to optimally utilize and control IBR connected to the bulk power grid, as well as large numbers of DER, to achieve a more reliable and predictable grid with high penetrations of VRE.

Topic Area 3: Rapid System Health and Risk Assessment Tools for Grid Operators

This topic seeks to develop software tools, and the data systems that support them, for grid operators to identify emerging system risks that are driven by the faster dynamics and uncertain operating states of IBR.

DOCUMENTS

- [DE-FOA-0003034 - Operation and Planning Tools for IBR Management and Availability \(OPTIMA\) MOD 000002](#) (Last Updated: 7/26/2023 04:48 PM ET)
- [DE-FOA-0003034 QandA Spreadsheet 030124](#) (Last Updated: 3/1/2024 07:13 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

A recording of this webinar can be found here: [DE-FOA-0003034 Informational Webinar Recording](#)

EERE will conduct one informational webinar during the FOA process. It will be held after the initial FOA release but before the due date for Concept Papers.

Attendance is not mandatory and will not positively or negatively impact the overall review of any applicant submissions. As the webinar will be open to all applicants who wish to participate, applicants should refrain from asking questions or communicating information that would reveal confidential and/or proprietary information specific to their project. Specific dates for the webinar can be found on the cover page of the FOA.

Thursday, May 4, 2023, 3:00pm-4:00pm ET

To attend this event, you must pre-register by following this link:

<https://doe.webex.com/webink/register/r24f6b53c6d71c03a6ec449c77cd8f246>

CONTACT INFORMATION

- SETO.OPTIMA.FOA@ee.doe.gov
For questions related to the content of the FOA.
- EERE-eXCHANGESupport@hq.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 6/12/2023 5:00 PM ET
- Full Application Submission Deadline: 9/14/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 10/24/2023 8:00 AM ET – 10/27/2023 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-LC-000023: MICROELECTRONIC DEVICES FOR ENERGY EFFICIENCY SCALING

Modification 0002 Announcement:

Updated the Full Application Submission Deadline to June 6, 2023

Modification 0001 Announcement:

Corrected the email address for specific questions about this Lab Call throughout the lab call document. The correct email address is: micro.electronics@ee.doe.gov

The research and development (R&D) activities to be funded under this Lab Call will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. Specifically, this Lab Call will be a critical element of an effort within DOE's Office of Energy Efficiency and Renewable Energy (EERE) with goals to simultaneously spur technology leadership in microelectronics -- a foundational technology for clean energy -- and to stop exponential growth in microelectronics energy use. Achieving the former goal will accelerate and lower costs of innovation needed to achieve carbon pollution-free electricity by 2035; achieving the latter goal will prevent a spike in GHG emissions in the near term and also avoid strain on the electricity grid as the economy evolves rapidly towards microelectronics-dependent net zero technologies in all sectors by 2050.

This Lab Call is focused on flattening the slope of microelectronics energy use as part of AMMTO's broader microelectronics R&D Roadmapping effort now called "Energy Efficiency Scaling for two Decades" (EES2). The intent of this Lab Call is to support manufacturing and other R&D on prototype devices to advance them to at least technology readiness level (TRL) 6 where they are ready to be matured and commercialized in lab/industry partnerships.

DOCUMENTS

- [AMMTO FY23 Microelectronics Lab Call FINAL MOD0002](#) (Last Updated: 5/20/2023 04:51 PM ET)
- [AMMTO LC-000023 Q&A_5-24-2023](#) (Last Updated: 5/24/2023 10:27 AM ET)

CONTACT INFORMATION

- Micro_electronics@ee.doe.gov
- EERE-eXCHANGESupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: 6/6/2023 5:00 PM ET

DE-LC-000027: NATIONAL LABORATORY CALL FOR PROPOSALS STRENGTHENING DOMESTIC CAPABILITIES IN SOLID-STATE AND FLOW BATTERY MANUFACTURING

Modification 0001 Announcement:

Updated the section for "Waiver Requests: Foreign Entities and Foreign Work (if applicable)" on page 27.

The RD&D activities to be funded under this Lab Call will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. Specifically, the solid-state and flow battery manufacturing technologies in this Lab Call each have the potential to make a unique contribution to decarbonization of the grid, industry, and transportation. Generally, this Lab Call supports battery manufacturing innovation to enable the energy infrastructure needed for carbon pollution-free electricity by 2035 and net zero GHG emissions by 2050.

This Lab Call is divided into two topics: Topic 1) Developing Innovative Solid-State Battery Manufacturing Capabilities, and Topic 2) Developing Innovative Flow Battery Manufacturing Capabilities.

DOCUMENTS

- [AMMTO LC-000027 Q&A_6-22-23](#) (Last Updated: 6/22/2023 05:21 PM ET)
- [Battery Manufacturing Lab Call, Modification 0001](#) (Last Updated: 4/28/2023 03:50 PM ET)

CONTACT INFORMATION

- BatManLabCall@ee.doe.gov
- EERE-eXCHANGESupport@hq.doe.gov

SUBMISSION DEADLINES

- Pre-Application Submission Deadline: 5/12/2023 5:00 PM ET

DE-FOA-0002888: SMALL INNOVATIVE PROJECTS IN SOLAR: CONCENTRATING SOLAR POWER AND PHOTOVOLTAIC (SIPS: CSP & PV) - ANNUAL

This funding opportunity announcement (FOA) is being issued by the U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE) Solar Energy Technologies Office (SETO) to invest in innovative research and development (R&D) that accelerates the large-scale development and deployment of solar technologies to support an equitable transition to a decarbonized electricity system by 2035 and decarbonized energy sector by 2050. Achieving this goal will support the nationwide effort to meet the threat of climate change and ensure that all Americans benefit from the transition to a clean energy economy.

This Small Innovative Projects in Solar (SIPS) FOA solicits seedling R&D projects for both photovoltaic and concentrating solar thermal power technologies. The funding opportunity is designed to streamline the application process and to encourage applicants with a diverse range of backgrounds.

This FOA is expected to be re-issued on an annual basis and will provide applicants the opportunity to submit new applications for consideration. EERE intends to modify this FOA at a future time to solicit applications for subsequent fiscal years.

The current issuance of this FOA solicits applications for fiscal year 2023.

****DOE expects to make the announcement on Selections for the FY23 FOA in early January 2024****

DOCUMENTS

- [DE-FOA-0002888_Small_Innovative_Projects_In_Solar_Concentrating_Solar_Power_and_Photovoltaics_\(SIPS_CSP&PV\)_-Annual_Funding_Modification_000001](#) (Last Updated: 4/26/2023 06:01 PM ET)
- [Q&A Log SIPS FOA](#) (Last Updated: 6/21/2023 11:52 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- SETO.SIPS@ee.doe.gov
For questions related to the content of the FOA.
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the registration process and use of the EERE eXCHANGE website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: 6/1/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 1/11/2024 5:00 PM ET – 1/11/2025 5:00 PM ET

DE-FOA-0003023: DOMESTIC NEAR NET SHAPE MANUFACTURING TO ENABLE A CLEAN AND COMPETITIVE ECONOMY

Modification 0001

Changes include removal of all language related to Replies to Reviewer Comments as they will no longer be provided prior to award selections. The following sections will be updated:

1. III.C. Compliance Criteria
2. IV.E. Content and Form of Replies to Reviewer Comments
3. V.A.iii. Criteria for Replies to Reviewer Comments

The intent of this FOA topic is to accelerate the development and commercialization of innovative manufacturing technologies to increase the competitiveness of the domestic Near Net Shape (NNS) manufacturing base and strengthen the clean energy manufacturing supply chains. The technical and economic viability of the proposed manufacturing technologies will be established by producing a full-scale component as part of the requirements. The component must be relevant to a clean energy manufacturing application with a weight over 10 tons (20,000 lbs.). Project teams are expected to represent multiple segments of the value/supply chain.

EERE eXCHANGE is designed to enforce the deadlines specified in this FOA. The "Apply" and "Submit" buttons will automatically disable at the defined submission deadlines. Should applicants experience problems with EERE eXCHANGE, the following information may be helpful.

Applicants that experience issues with submission PRIOR to the FOA deadline: In the event that an applicant experiences technical difficulties with a submission, the applicant should contact the EERE eXCHANGE helpdesk for assistance (EERE-eXCHANGEsupport@hq.doe.gov). The EERE eXCHANGE helpdesk and/or the EERE eXCHANGE system administrators will assist applicants in resolving issues.

Please see the full FOA in the DOCUMENTS section below.

The Teaming Partner List is transferred from Notice of Intent (NOI) DE-FOA-0003022. The list will remain open and updated at least weekly until the close of the Full Application period, to reflect new Teaming Partners who have provided their information.

DOCUMENTS

- [Funding Opportunity Announcement_MOD0001](#) (Last Updated: 6/21/2023 04:08 PM ET)
- [Question & Answer Spreadsheet](#) (Last Updated: 6/14/2023 01:55 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- EERE-eXCHANGESupport@hq.doe.gov
For questions regarding the Exchange system
- NNS.FOA.FY23@ee.doe.gov
For questions related to the funding opportunity

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 5/11/2023 5:00 PM ET
- Full Application Submission Deadline: 6/23/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 8/1/2023 5:00 PM ET – 8/2/2023 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0003074: SCALING THE U.S. SOLAR MANUFACTURING WORKFORCE

This request for information (RFI) is intended to inform the U.S. Department of Energy (DOE) Solar Energy Technologies Office (SETO) on the challenges and opportunities associated with scaling the domestic solar manufacturing workforce. This RFI pertains to job roles associated with operating U.S.-based manufacturing facilities involved in the production of photovoltaic (PV) modules and related components and materials.

DOCUMENTS

- [Scaling the U.S. Solar Manufacturing Workforce RFI_DE-FOA-0003074](#) (Last Updated: 4/6/2023 10:10 AM ET)

CONTACT INFORMATION

- solarworkforce@ee.doe.gov
For RFI questions and to submit responses
- EERE-ExchangeSupport@hq.doe.gov
For questions related to using the EERE Exchange Website

SUBMISSION DEADLINES

- Full Application Submission Deadline: 6/2/2023 5:00 PM ET

TPL-000015: TEAMING PARTNER LIST FOR NOI DE-FOA-0003022: DOMESTIC NNS MANUFACTURING

SUBMISSION INSTRUCTIONS: Any organization that would like to be included on this list should submit the following information through EERE eXCHANGE: Organization Name, Contact Name, Contact Address, Contact Email, Contact Phone, Organization Type, Area of Technical Expertise, Brief Description of Capabilities, and Area of Interest.

DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating this Teaming Partner List, EERE does not endorse or otherwise evaluate the qualifications of the entities that self-identify themselves for placement on the Teaming Partner List. DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0002988: BI-PARTISAN INFRASTRUCTURE LAW (BIL) ENERGY EFFICIENCY CONSERVATION BLOCK GRANT (EECBG) COMPETITIVE PROGRAM

Please click [here](#) for information on this announcement.

**This is for informational purposes only - Concept Papers and Full Applications must be submitted on the Infrastructure Exchange website: <https://infrastructure-exchange.energy.gov/Default.aspx#Foaldccc9117-bb5a-489f-a8c2-a35bb3ed19d2>

DOCUMENTS

- [DE-FOA-0002988 - Bi-PartisanInfrastructure Law \(BIL\) Energy Efficiency and Conservation Block Grant \(EECBG\) Competitive Program FOA](#) (Last Updated: 4/5/2023 11:22 AM ET)

CONTACT INFORMATION

- ExchangeHelp@hq.doe.gov
For questions about this FOA.
- community@hq.doe.gov
Questions about this FOA

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 6/5/2023 5:00 PM ET
- Full Application Submission Deadline: 8/7/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 9/4/2023 5:00 PM ET – 9/8/2023 5:00 PM ET

DE-FOA-0003064: DE-FOA-0003064 NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002954: WETO OFFSHORE WIND 2023 CENTERS OF EXCELLENCE

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Wind Energy Technologies Office (WETO), a Funding Opportunity Announcement (FOA) entitled “WETO Offshore Wind 2023 Centers of Excellence”.

EERE seeks to seed one to three university-led Centers of Excellence to catalyze an education, research, and partnership ecosystem to address technology, deployment, and workforce needs for developing U.S. offshore wind industry leadership. The university-led Centers of Excellence funded through this opportunity are intended to accelerate and maximize the effectiveness, reliability, and sustainability of U.S. offshore wind deployment and operation through partnership with industry participants, including wind project developers and technology manufacturers; other institutions of higher education; other research institutions, such as national laboratories; non-governmental organizations; tribes; and state and local-level governments. The ideal institution will have relevant existing credentials; robust diversity and inclusion strategies; and expansive regional partnerships to excite and supercharge the next generation of the renewable energy workforce. This Notice is issued so that interested parties are aware of the EERE’s intention to issue this FOA in the near term. All of the information contained in this Notice of Intent is subject to change. EERE will not respond to questions concerning this Notice.

Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions. EERE plans to issue the FOA in April of 2023 via the EERE eXCHANGE website <https://eere-eXCHANGE.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in EERE eXCHANGE. When the FOA is released, applications will be accepted only through EERE eXCHANGE.

DOCUMENTS

- [Notice of Intent_\(NOI\)_WETO Offshore Wind 2023 FOA Centers of Excellence](#) (Last Updated: 3/30/2023 01:30 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website. EERE-ExchangeSupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0003059: REQUEST FOR INFORMATION ON CHALLENGES AND OPPORTUNITIES OF INCREASING MATERIAL CIRCULARITY

The purpose of this RFI is to solicit feedback from industry, academia, research laboratories, government agencies, and other stakeholders on issues related to the key opportunities and challenges associated with increased material circularity.

EERE is specifically interested in information on:

- Challenges and opportunities of transitioning from a linear to a circular economy
- Life Cycle Databases and tools used in generating Environmental Product Declarations
- Prizes to incentivize innovation and reduce demand for virgin materials
- Potential for electronic waste (e-waste) to be a viable source of critical materials and associated barriers.

This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications. DOE will not publish the information collected through this RFI. DOE may use the information provided through this RFI to develop funding opportunities, challenges, and prize competitions.

Responses to this RFI must be submitted electronically to CircularEconomyRFI@ee.doe.gov no later than 5:00pm (ET) on May 1, 2023. Responses must be provided as attachments to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Responses must be provided as a Microsoft Word (.docx) attachment to the email, and no more than 10 pages in length, 12 point font, 1 inch margins. Only electronic responses will be accepted.

DOCUMENTS

- [RFI FOA-0003059 Circular Economy](#) (Last Updated: 3/23/2023 01:25 PM ET)

CONTACT INFORMATION

- CircularEconomyRFI@ee.doe.gov
- ExchangeHelp@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: 5/1/2023 5:00 PM ET

E-LC-000021: VTO FISCAL YEAR 2023 LAB CALL

The Vehicle Technologies Office (VTO) is issuing this lab call for fiscal year 2023 (FY2023) to solicit project proposals in new and on-going research areas. Depending on the Area of Interest (AOI), project awards from this year's Lab Call will initially be funded through either FY2023 or FY2024 appropriations, subject to the availability of funds.

To the extent possible and appropriate, VTO seeks lab projects that involve industry engagement or industry partners and encourages multiple-lab, multi-disciplined team-based approaches. VTO will award only a portion of its total planned FY23 and FY24 lab funding through this lab call process. There is approximately \$35.8 million in annual funding available to fund all projects solicited in this Lab Call with the potential for future year funding pending appropriations.

Some labs have continuing multi-year projects that have already gone through the merit review process. These will continue to be reviewed through the annual peer review process. Labs should work with VTO project and program managers to ensure that ongoing projects are included in the annual operating plans (AOPs) to meet AOP deadlines.

This lab call will only pertain to the new topic areas below.

AOI 1: Technology Commercialization Fund

AOI 2: Composites Core Program 2.0

AOI 3: Powertrain Materials Core Program 2.0

AOI 4: Lightweight Metals Core Program 2.0

AOI 5: EEMS Tools and Technologies

AOI 6: Freight-in-the-Loop

AOI 7: Data and Tools for Vehicle Grid Integration

DOCUMENTS

- [VTO_FY23_Lab_Call_Mod_1](#) (Last Updated: 4/7/2023 02:49 PM ET)
- [DE-LC-00000-21_VTOFY23_Lab_Call_QA_4.21](#) (Last Updated: 4/24/2023 01:13 PM ET)

CONTACT INFORMATION

- VTOLabCall@ee.doe.gov
- EERE-ExchangeSupport@Hq.Doe.Gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: 4/27/2023 11:59 PM ET

TPL-000014: TEAMING PARTNER LIST FOR BIPARTISAN INFRASTRUCTURE LAW TECHNOLOGY COMMERCIALIZATION FUND: COLLABORATIVE ALIGNMENT FOR CRITICAL TECHNOLOGY INDUSTRIES LAB CALL

DOE is compiling a Teaming Partner List to facilitate the formation of new project teams for Lab Call [DE-LC-000L002](#) entitled "Bipartisan Infrastructure Law Technology Commercialization Fund: Collaborative Alignment for Critical Technology Industries."

As a lab call, only DOE national laboratories, plants, and sites are eligible prime applicants. Successful projects will involve partnerships with stakeholders across the clean hydrogen and long duration energy storage value chains. The Teaming Partner List allows organizations who may wish to participate on an application to express their interest to other applicants and to explore potential partnerships.

Updates to the Teaming Partner List will be available in the EERE Exchange website. The Teaming Partner List will be regularly updated to reflect new teaming partners who provide their organization's information.

To review the full announcement, navigate to <https://oecd-exchange.energy.gov/Default.aspx#Foaldba814b86-222a-41de-ba48-b0b3f58fa4e5>.

DOCUMENTS

- [DE-LC-000L002_TCF_BIL_CACTI_LAB_CALL](#) (Last Updated: 3/23/2023 02:39 PM ET)

CONTACT INFORMATION

- TCF.BIL@hq.doe.gov
For questions related to the lab call or BIL TCF program.
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the Exchange website.

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-LC-000102: PLACEHOLDER FOR TEAMING PARTNER LIST FOR BIPARTISAN INFRASTRUCTURE LAW TECHNOLOGY COMMERCIALIZATION FUND: COLLABORATIVE ALIGNMENT FOR CRITICAL TECHNOLOGY INDUSTRIES LAB CALL

This is a placeholder for Teaming Partner List TPL-0000014.

DOCUMENTS

- [DE-LC-000L002_TCF_BIL_CACTI_LAB_CALL](#) (Last Updated: 3/23/2023 02:23 PM ET)

CONTACT INFORMATION

- TCF.BIL@hq.doe.gov
For questions related to TCF BIL.
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-LC-0000019: TECHNICAL RESOURCES FOR INDUSTRIAL PURSUIT OF LOWER EMISSIONS (TRIPLE)

Mod. No. 0001

Description of Modification:

On Pages 36 and 41, removed erroneous references to Authorization for non-DOE/NNSA or DOE/NNSA FFRDCs, as the document is not a required element of Applications to this Lab Call.

Lab Call Description:

The Industrial Efficiency and Decarbonization Office (IEDO) is issuing this lab call to solicit proposals to support the Technical Assistance and Workforce Development subprogram. Activities will support the subprogram's focus on delivering technical assistance and developing partnerships with industry to increase the adoption of energy efficiency, decarbonization technologies, energy management programs, and water/waste reduction technologies and practices across the industrial sector. Topic areas will follow the recommendations of DOE's Industrial Decarbonization Roadmap and enable expansion and integration of programmatic activities in the areas of energy efficiency, energy management systems, onsite renewables and storage, energy-water nexus, and workforce development. Topic areas include:

Topic 1: Onsite Energy Deployment Program Support – This topic seeks proposals for a technical analysis team that will provide subject matter expertise, research, and analysis covering a broad range of renewable and storage technologies in support of the overall Onsite Energy Program.

Topic 2: Controlled Environment Agriculture (CEA) Accelerator – This topic seeks proposals to launch a CEA Accelerator to demonstrate the energy, water, and decarbonization benefits that can be achieved through efficient operation of CEA.

Topic 3: Multiple Benefits Resources – This topic seeks proposals to establish a protocol to help manufacturers understand how to uncover and quantify multiple or non-energy benefits during energy efficiency and decarbonization assessments in manufacturing plants.

Topic 4: Workforce Development Consortium – This topic seeks proposals to launch a workforce development consortium that will convene and financially support three-to-five key manufacturing workforce organizations running successful regional- or industry-specific programs that can be scaled to national and broad reach.

DOCUMENTS

- [DE-LC-0000019.0001](#) (Last Updated: 4/27/2023 04:43 PM ET)
- [IEDO_LC-0000019_Q&A_5-4-2023](#) (Last Updated: 5/4/2023 04:27 PM ET)

CONTACT INFORMATION

- IEDOLabCall@ee.doe.gov
- EERE-eXCHANGESupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: 5/19/2023 5:00 PM ET

DE-FOA-0003022: NOTICE OF INTENT TO ISSUE FOA - DE-FOA-0003023: DOMESTIC NEAR NET SHAPE MANUFACTURING TO ENABLE A CLEAN AND COMPETITIVE ECONOMY

The intent of this FOA topic is to accelerate the development and commercialization of innovative manufacturing technologies to increase the competitiveness of the domestic Near Net Shape (NNS) manufacturing base and strengthen the clean energy manufacturing supply chains. The technical and economic viability of the proposed manufacturing technologies will be established by producing a full-scale component as part of the requirements. The component must be relevant to a clean energy manufacturing application and have a minimum weight of 10 tons (20,000 lbs.). Project teams are expected to represent multiple segments of the value/supply chain.

This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All of the information contained in this Notice of Intent is subject to change. EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions. EERE plans to issue the FOA on or about mid-December via the EERE eXCHANGE website <https://eere-eXCHANGE.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in EERE eXCHANGE. When the FOA is released, applications will be accepted only through EERE eXCHANGE.

DOCUMENTS

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0002922: BIPARTISAN INFRASTRUCTURE LAW: CLEAN HYDROGEN ELECTROLYSIS, MANUFACTURING, AND RECYCLING

Modification 0001: The purpose of this modification is:

1. Section IV. D. ix: Directs applicants to EERE eXCHANGE to access a summary slide template. Further defines the information that is required in the summary slides.
2. Section I.B.i.: In Topic 3, Subtopic 3a, removes the anode catalyst activity target for PEM electrolyzers to emphasize integrated MEA performance.

The Office of Energy Efficiency and Renewable Energy (EERE) is issuing Funding Opportunity Announcement (FOA) DE-FOA-0002922 on behalf of the Hydrogen and Fuel Cell Technologies Office (HFTO), which coordinates hydrogen activities with offices across the Department of Energy (DOE) as described in the DOE Hydrogen Program Plan. These activities align with the DOE National Clean Hydrogen Strategy and Roadmap and specific DOE initiatives. Awards made under this FOA will be funded, in whole or in part, with funds appropriated by the Infrastructure Investment and Jobs Act,[1] more commonly known as the Bipartisan Infrastructure Law (BIL).

This FOA implements two provisions within Section 40314 of the BIL, which amended Title VIII of the Energy Policy Act (EPA) of 2005 to include a new section 815, "Clean Hydrogen Manufacturing and Recycling" and a new section 816, "Clean Hydrogen Electrolysis Program." The FOA launches the first phase of funding for these programs and will provide up to \$750 million in Federal funding, subject to the availability of appropriated funds. These activities will support the broader government-wide approach to accelerate progress in clean hydrogen technologies and maximize the benefits of the clean energy transition as the nation works to curb the climate crisis, empower workers, and advance environmental justice.

The FOA provides funding for research, development, and demonstration to:

Improve the efficiency, increase the durability, and reduce the cost of producing clean hydrogen using electrolyzers to less than \$2 per kilogram by 2026 Advance new manufacturing technologies and techniques for clean hydrogen production and use equipment, specifically for electrolyzer and fuel cell technologies Create innovative and practical approaches to increase the reuse and recycling of clean hydrogen and fuel cell technologies

The following topics, in two areas of interest, are included in this funding opportunity.

Area of Interest 1: Clean Hydrogen Electrolysis Program

Topic 1: Low Cost, High-Throughput Electrolyzer Manufacturing: Research, development, and demonstration (RD&D) that accelerates manufacturing innovations, so that electrolyzer stack manufacturers can achieve greater economies of scale.

Topic 2: Electrolyzer Component and Supply Chain Development: Research and development (R&D) of advanced components critical to accelerate the commercialization of electrolyzers

Topic 3: Advanced Electrolyzer Technology and Component Development: R&D that develops materials, components, and designs that are at lower technology readiness levels (TRL) but show promise in achieving long-term cost, performance, and lifetime goals in next generation of electrolyzer technologies.

Area of Interest 2: Clean Hydrogen Manufacturing and Recycling

Topic 4: Fuel Cell Membrane Electrode Assembly and Stack Manufacturing and Automation: RD&D that accelerates fuel cell manufacturing innovation and scale-up by enabling diverse fuel cell manufacturer and supplier teams to flexibly address their greatest scale-up challenges and achieve economies of scale in medium- and heavy-duty vehicle (MDV/HDV) and cross-cutting applications.

Topic 5: Fuel Cell Supply Chain Development: R&D to address critical deficiencies in the domestic supply chain for MDV/HDV fuel cell materials and components.

Topic 6: Recovery and Recycling Consortium: Establish a single, broad-based nonprofit- or university-led consortium of industry, academia, and national labs to address a range of recovery, recycling, refurbishment, and reuse challenges for fuel cell and electrolyzer stacks and components.

Please see the 'Full FOA Document' in the DOCUMENTS section below.

The **Teaming Partner List** is transferred from Notice of Intent (NOI) DE-FOA-0002921. The list will remain open and will be updated at least weekly until the close of the Full Application period, to reflect new Teaming Partners who have provided their information.

Applicants must submit a Concept Paper by 5:00pm ET on the due date listed in the FOA to be eligible to submit a Full Application. Concept Papers and Full Applications will only be accepted through EERE eXCHANGE.

Applicants that experience issues with submissions PRIOR to the Deadline: In the event an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov).

DOCUMENTS

- [DE-FOA-0002922 Bipartisan Infrastructure Law Clean Hydrogen Electrolysis Manufacturing and Recycling MOD 1](#) (Last Updated: 3/31/2023 11:57 AM ET)
- [Teaming Partner List, Topic and Background Information](#) (Last Updated: 3/15/2023 06:28 PM ET)
- [Questions and Answers](#) (Last Updated: 7/19/2023 02:04 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
EERE Exchange Support
- Exchangehelp@hq.doe.gov
Exchange registration and deadline help
- HFTOBILFOA@ee.doe.gov
For specific questions about the FOA

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 4/19/2023 5:00 PM ET
- Full Application Submission Deadline: 7/19/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 9/15/2023 8:00 AM ET – 4/30/2024 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0002997: INDUSTRIAL EFFICIENCY AND DECARBONIZATION OFFICE (IEDO) FY23 MULTI-TOPIC FOA

MOD 0001

Changes include updates to the following sections:

1. Section I.B. on page 36, within Topic 4: Technology Focus, correct the NAICS code reference: Change “basic organic chemicals (NAICS 325519)” to “all other organic chemicals (NAICS 325199)”.
2. Section III.F. on page 64, within Limitation on Number of CPs and full apps eligible for review, change language allowing for multiple CPs and applications to be submitted to the FOA by a single entity.

This Funding Opportunity (FOA), issued by the Office of Energy Efficiency and Renewable Energy, on behalf of the Industrial Efficiency and Decarbonization Office (IEDO) will advance the strategies identified in the Industrial Decarbonization Roadmap and Industrial Heat Energy Earthshot and will focus on cross-sector approaches for industrial decarbonization (such as thermal processing, low-carbon fuels utilization, and exploratory cross-sector topics), along with high-GHG-emitting subsectors (such as chemicals, iron and steel, food and beverage, cement and concrete, and forest products). By accelerating the development and adoption of sustainable technologies that increase efficiency and eliminate industrial GHG emissions, the research, development, and prototype or pilot-scale technology validation and demonstration activities to be funded under this FOA will contribute to a clean and equitable energy economy, bolster the technological and economic competitiveness of domestic manufacturing, and boost the viability and competitiveness of U.S. industrial technology exports.

This FOA is part of an integrated industrial decarbonization technology development strategy for DOE's basic and applied research offices. Rooted in the principles identified in the 2022 Industrial Decarbonization Roadmap, DOE is building an innovation pipeline to accelerate the development and adoption of industrial decarbonization technologies with investments spanning foundational science; research, development, and demonstrations (RD&D); and technical assistance and workforce development. DOE's highly coordinated RD&D investments – leveraging resources and expertise from the Offices of Energy Efficiency and Renewable Energy, Fossil Energy and Carbon Management (FECM), Nuclear Energy (NE), and Science (SC) – are designed to achieve deep decarbonization across the industrial sector, targeting both industry-specific innovations and crosscutting technologies. This technology development strategy complements the demonstration and deployment efforts led by DOE's Offices of Clean Energy Demonstrations (OCED) and Manufacturing and Energy Supply Chains (MESCC) and the Loan Programs Office (LPO). This FOA and its associated projects are distinct from any existing or forthcoming efforts funded under the Bipartisan Infrastructure Law or Inflation Reduction Act, including activities related to Industrial Demonstration Projects..

The topics included are:

Topic 1: Decarbonizing Industrial Heat

Topic 2: Low-Carbon Fuels Utilization R&D

Topic 3a: Enabling Flexible Industrial Energy Use

Topic 3b: Enhanced Thermal Conductivity Materials

Topic 4: Decarbonizing Chemicals

Topic 5: Decarbonizing Iron and Steel

Topic 6: Decarbonizing Food and Beverage Products

Topic 7: Decarbonizing Cement and Concrete

EERE eXCHANGE is designed to enforce the deadlines specified in this FOA. The “Apply” and “Submit” buttons will automatically disable at the defined submission deadlines. Should applicants experience problems with EERE eXCHANGE, the following information may be helpful.

Applicants that experience issues with submission PRIOR to the FOA deadline: In the event that an applicant experiences technical difficulties with a submission, the applicant should contact the EERE eXCHANGE helpdesk for assistance (EERE-eXCHANGESupport@hq.doe.gov). The EERE eXCHANGE helpdesk and/or the EERE eXCHANGE system administrators will assist applicants in resolving issues.

DOCUMENTS

- [DE-EE0002997.0001 IEDO FY23 MT FOA](#) (Last Updated: 4/11/2023 05:33 PM ET)
- [DE-FOA-0002997 Questions & Answers](#) (Last Updated: 6/23/2023 01:19 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
- IEDOMultiTopicFOA@ee.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 4/17/2023 5:00 PM ET
- Full Application Submission Deadline: 6/23/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 7/20/2023 5:00 PM ET – 7/25/2023 5:00 PM ET

DE-LC-000L103: FY23 FALL ENERGY I-CORPS LAB CALL

The Office of Technology Transitions (OTT) is issuing this lab call to solicit proposals for the Energy I-Corps (EIC) program. The goal of EIC is to train National Laboratories and Federally Funded Research and Development Centers (FFRDCs) on the pursuit of energy-related technology commercialization. This call solicits proposals from national laboratory and FFRDC technology transfer offices to participate in EIC, for researchers to develop skills in commercialization, and to investigate the market potential for DOE-funded technologies at a critical juncture on the path toward commercialization.

OTT expects to award at least \$500k across the three topics included in this lab call. However, additional funding may be available based on proposals alignment with OTT and partner office goals. The topics are as follows:

Topic 1: EIC Pipeline Development - This topic seeks proposals for projects and programming that have the potential to directly increase participation in EIC Training Cohorts (Topic 2) in subsequent EIC lab calls.

Topic 2: EIC Training Cohort (Cohort 17) - This topic seeks team applications to participate in EIC Cohort 17, an intensive approximately two-month, curriculum-based program to understand market awareness and learn about market pathways for their national lab/FFRDC technology.

Topic 3: Post EIC - This topic intends to support a small subset of the most promising EIC Training Cohort (Topic 2) graduates that have a high likelihood of commercializing their technology. The funds are not meant to support the teams' full commercialization effort. Instead, the funds are intended to cover costs of the next actionable step in technology commercialization and facilitate the teams in reaching their next source of more substantive support to continue their commercialization journey.

DOCUMENTS

- [DE-LC-000L103 FY23 Fall Energy I-Corps Lab Call Amendment 00001](#) (Last Updated: 3/30/2023 02:32 PM ET)
- [DE-LC-000L103 FY23 Fall EIC Lab Call Q&A \(8\)](#) (Last Updated: 4/28/2023 09:37 AM ET)

WEBINAR DETAILS

Informational Webinar hosted on March 28, 2023 at 12:00 pm (ET). Please see attached presentation.

- [EIC FY23 Fall Lab Call Informational Webinar 3_28](#) (Last Updated: 4/14/2023 04:16 PM ET)

CONTACT INFORMATION

- EnergyICorps@hq.doe.gov
For questions related to the lab call or EIC program
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the Exchange website

SUBMISSION DEADLINES

- Full Application Submission Deadline: 4/28/2023 5:00 PM ET

TPL-0000012: TEAMING PARTNER LIST FOR DE-LC-000L101 - FY23 TCF BAS ANNUAL APPROPRIATIONS FECM PROGRAM-LED TOPICS LAB CALL

This Teaming Partner List is for the FY23 Technology Commercialization Fund Base Annual Appropriations FECM Program-Led Topics Lab Call ([DE-LC-000L101](#)).

DOE is compiling a "Teaming Partner List" to facilitate the formation of project teams for this Lab Call. The Teaming Partner List allows organizations who may wish to participate on an application to express their interest to other applicants and to explore potential partnerships, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); and partnerships with Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or tribal nations).

Updates to the Teaming Partner List will be available on the Exchange website. The Teaming Partner List will be regularly updated to reflect new teaming partners who provide their organization's information.

CONTACT INFORMATION

- FECM-TCF@hq.doe.gov
Please contact this email with questions regarding this Lab Call and Teaming Partner List
- EERE-ExchangeSupport@hq.doe.gov
Please contact this email for questions regarding Exchange

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

0000101: PLACEHOLDER FOR TEAMING PARTNER LIST FOR FY23 TCF BASE ANNUAL APPROPRIATIONS FECM PROGRAM-LED TOPICS LAB CALL

This is placeholder to publish the Teaming Partner List TPL-0000012.

The Lab Call is published under [DE-LC-000L101](#).

DOCUMENTS

- [DE-LC-000L101_FY23_TCF_Base_FECM_Program-led_Topics_Lab_Call_Final](#) (Last Updated: 3/3/2023 01:46 PM ET)

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-LC-000L101: FY23 TECHNOLOGY COMMERCIALIZATION FUND (TCF) BASE ANNUAL APPROPRIATIONS FOSSIL ENERGY AND CARBON MANAGEMENT PROGRAM-LED TOPICS LAB CALL

For Fiscal Year 2023 (FY23), Fossil Energy and Carbon Management (FECM) has elected to use a portion of its Base Annual Appropriations to fund program-led topics under this lab call in addition to the Core Laboratory Infrastructure for Commercialization topics under the DE-LC-000L098 FY23 TCF Base Core Laboratory Infrastructure for Market Readiness (CLIMR) Lab Call. The intent of the Technology-Specific, FECM program-led commercialization topics in this lab call (Topics 1, 2, 3, and 4) are to address critical technology gaps in the fields covered by FECM's strategic vision.

Given the pressing need for technologies that are critical for furthering several fields within FECM's strategic vision (specifically, carbon dioxide removal, hydrogen production with carbon management, mineral sustainability, and methane mitigation), FECM has elected to fund this lab call and associated program. This solicitation offers an opportunity for private industry to partner with DOE's National Labs to advance energy-related technologies and Lab intellectual property (IP) toward commercialization.

To submit to the Teaming Partner List ([TPL-0000012](#)) for this Lab Call please click [here](#).

DOCUMENTS

- [DE-LC-000L101_FY23_TCF_Base_FECM_Program-led_Topics_Lab_Call_Final](#) (Last Updated: 3/3/2023 12:42 PM ET)
- [FY23_TCF_Base_FECM_Program-Led_Topics_Q_A_6_20_23](#) (Last Updated: 6/20/2023 10:17 AM ET)
- [DE-LC-000L101_FY23_FECM_TCF_Program-Led_Lab_Call_Webinar_Slides](#) (Last Updated: 3/13/2023 04:56 PM ET)

WEBINAR DETAILS

An informational webinar was held on March 13, 2023 at 1:00 pm EST. The slides used during the webinar are available in the documents.

CONTACT INFORMATION

- FECM-TCF@hq.doe.gov
For questions about this lab call, please contact this email.
- eere-exchangesupport@hq.doe.gov
For issues with exchange please contact this email. Include the Lab Call name and number in the subject line.

SUBMISSION DEADLINES

- Full Application Submission Deadline: 5/25/2023 3:00 PM ET
- View Full Application Reviewer Comments Period: 6/14/2023 5:00 PM ET – 6/20/2023 5:00 PM ET

DE-FOA-0002996: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002997 "IEDO FY23 MULTI-TOPIC FOA"

The Office of Energy Efficiency and Renewable Energy intends to issue, on behalf of the Industrial Efficiency and Decarbonization Office (IEDO), a funding opportunity announcement titled "IEDO FY23 Multi-topic FOA."

This FOA will advance the strategies identified in the Industrial Decarbonization Roadmap and Industrial Heat Energy Earthshot and will focus on cross-sector approaches for industrial decarbonization (such as thermal processing, , low-carbon fuels utilization, and exploratory cross-sector topics), along with high-GHG-emitting subsectors (such as chemicals, iron and steel, food and beverage, cement and concrete, and forest products). By accelerating the development and adoption of sustainable technologies that increase efficiency and eliminate industrial GHG emissions, the research, development, and prototype or pilot-scale technology validation and demonstration activities to be funded under this FOA will contribute to a clean and equitable energy economy, bolster the technological and economic competitiveness of domestic manufacturing, and boost the viability and competitiveness of U.S. industrial technology exports.

This FOA is part of an integrated industrial decarbonization technology development strategy for DOE's basic and applied research offices. Rooted in the principles identified in the 2022 Industrial Decarbonization Roadmap, DOE is building an innovation pipeline to accelerate the development and adoption of industrial decarbonization technologies with investments spanning foundational science; research, development, and demonstrations (RD&D); and technical assistance and workforce development. DOE's highly coordinated RD&D investments – leveraging resources and expertise from the Offices of Energy Efficiency and Renewable Energy, Fossil Energy and Carbon Management (FECM), Nuclear Energy (NE), and Science (SC) – are designed to achieve deep decarbonization across the industrial sector, targeting both industry-specific innovations and crosscutting technologies. This technology development strategy complements the demonstration and deployment efforts led by DOE's Offices of Clean Energy Demonstrations (OCED) and Manufacturing and Energy Supply Chains (MESC) and the Loan Programs Office (LPO).

This notice of intent is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All the information contained in this notice is subject to change. EERE will not respond to questions concerning this notice. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

EERE plans to issue the FOA in or about March 2023 via the EERE eXCHANGE website: <https://eere-eXCHANGE.energy.gov/>. If applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in EERE eXCHANGE. When the FOA is released, applications will be accepted only through EERE eXCHANGE.

DOCUMENTS

- [DE-FOA-0002996 Notice of Intent IEDO FY23 Multi-topic FOA](#) (Last Updated: 2/28/2023 05:51 PM ET)

CONTACT INFORMATION

- eere-exchangesupport@hq.doe.gov
For questions regarding the Exchange system

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002883: BI-PARTISAN INFRASTRUCTURE LAW (BIL) REQUEST FOR INFORMATION ON ENERGY EFFICIENCY CONSERVATION BLOCK GRANT (EECBG) COMPETITIVE PROGRAM

Please click [here](#) for information on this announcement.

DOCUMENTS

- [DE-FOA-0002883 - Bi-Partisan Infrastructure Law \(BIL\) Request for Information on Energy Efficiency Conservation Block Grant \(EECBG\) Competitive Program](#) (Last Updated: 2/21/2023 03:22 PM ET)

CONTACT INFORMATION

- EECBG_RFI_Competitive@hq.doe.gov
- ExchangeHelp@hq.doe.gov
For questions about this FOA.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002887: BIPARTISAN INFRASTRUCTURE LAW: INDUSTRIAL ASSESSMENT CENTER (IAC) PROGRAM – IACS AT TRADE SCHOOLS, COMMUNITY COLLEGES, AND UNION TRAINING PROGRAMS; AND BUILDING TRAINING AND ASSESSMENTS CENTERS (BTAC)

Please click [here](#) for information on this announcement.

DOCUMENTS

- [DE-FOA-0002887 Notice of Intent: BIL IAC Program](#) (Last Updated: 2/21/2023 03:41 PM ET)

CONTACT INFORMATION

- IACProgram@doe.gov
- eere-exchangesupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002880: BIL- NOTICE OF INTENT (NOI) TO ISSUE DE-FOA-0002881 JOINT OFFICE OF ENERGY AND TRANSPORTATION RIDE AND DRIVE ELECTRIC, FISCAL YEAR 2023 FUNDING OPPORTUNITY ANNOUNCEMENT

The Joint Office of Energy and Transportation, through the U.S. Department of Energy Office of Energy Efficiency and Renewable Energy (EERE), intends to issue a Funding Opportunity Announcement (FOA) entitled "Joint Office of Energy and Transportation Ride and Drive Electric, Fiscal Year 2023 Funding Opportunity Announcement."

The Joint Office of Energy and Transportation (Joint Office) was created through the Infrastructure Investment and Jobs Act (Public Law 117-58), also known as the Bipartisan Infrastructure Law (BIL) under Title VIII, Division J, Federal Highway Administration - Highway Infrastructure Program to facilitate collaboration between the U.S. Department of Energy and the U.S. Department of Transportation. The

Joint Office's vision is a future where everyone can ride and drive electric, and the Office is a critical component in the implementation of the BL. Specifically, the Joint Office provides support and expertise to a multitude of programs that seek to deploy a network of electric vehicle chargers, zero-emission fueling infrastructure, and zero-emission transit and school buses. The Joint Office provides technical assistance related to zero emission vehicles, conducts data sharing, studies, training, and certification program development, invests in pilots and demonstrations, and pursues other actions to reduce transportation-related emissions and to mitigate the effects of climate change. This funding opportunity seeks to advance the mission and vision of the Joint Office by addressing discrete challenges to a convenient, affordable, reliable, and equitable electric vehicle (EV) charging network by enhancing institutional capacity, encouraging holistic approaches, fostering inclusive and equitable outcomes, and ensuring a world-class customer experience.

This Notice of Intent (NOI) is for informational purposes only. Any information contained in this NOI is subject to change. Questions and comments regarding this NOI are not being sought and will not be accepted for consideration at this time. If a FOA is issued, an avenue for potential Applicants to submit questions will be provided.

DOCUMENTS

- [DE-FOA-0002880 NOI](#) (Last Updated: 2/16/2023 09:01 AM ET)

CONTACT INFORMATION

- DE-FOA-0002881@netl.doe.gov

SUBMISSION DEADLINES

- Letter of Intent Deadline: TBD
- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0002943: REQUEST FOR INFORMATION: OFFSHORE WIND CENTERS OF EXCELLENCE AND SYNERGIES BETWEEN OFFSHORE WIND, MARINE ENERGY, AND AQUACULTURE

The purpose of this RFI is to solicit feedback from industry, academia, research laboratories, government agencies, and other stakeholders on issues related to two topic areas: 1) potential structure and capabilities of Centers of Excellence focused on offshore wind and 2) potential synergies between aquaculture production, offshore wind energy, and marine energy. This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

Please see the full RFI document in the Documents section below.

This is an RFI only. DOE will not pay for information provided under this RFI and no project will be supported as a result of this RFI. This RFI is not accepting applications for financial assistance or financial incentives. DOE may or may not issue a Funding Opportunity Announcement (FOA) based on consideration of the input received from this RFI.

Responses to this RFI must be submitted electronically to WindEnergyRFI@ee.doe.gov no later than 5:00pm (ET) on Friday, March 15, 2023. Responses must be provided as attachments to an email.

DOCUMENTS

- [RFI 2943 Offshore Wind Centers of Excellence and Synergies between Offshore Wind, Marine Energy, and Aquaculture](#) (Last Updated: 2/13/2023 11:34 AM ET)

CONTACT INFORMATION

- WindEnergyRFI@ee.doe.gov
For responses to this Request for Information.
- ExchangeHelp@hq.doe.gov
For questions related to the use of the EERE-Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002960: LARGE WIND TURBINE MATERIALS AND MANUFACTURING

Modification 0002 Announcement

Changes include updates to the submission deadlines on the cover page (Full Application and Replies to Reviewer Comments), as well as an update to the Expected Date for EERE Selection Notifications.

Modification 0001 Announcement

Changes include updates to the following sections:

- 1) IV.D.xvii Transparency of Foreign Connections
- 2) Appendix C.2 Waiver for Performance of Work in the United States (Foreign Work Waiver)

This Funding Opportunity Announcement (FOA) is being issued by the Office of Energy Efficiency and Renewable Energy (EERE) on behalf of the Advanced Materials and Manufacturing Technologies Office (AMMTO). The goals of this FOA are to:

- Further develop broad, foundational, manufacturing "platform" technologies and address gaps and barriers that are currently limiting use of composite materials in clean energy and decarbonization-related applications with wind energy applications as the primary FOA focus;
- Enable additive manufacturing processes for rapid prototyping, tooling, fabrication, and testing of large wind blades;

Apply additive manufacturing to non-blade wind turbine components; and

• Mature nascent technologies, processes, and methods that improve one or more aspects of advanced composites manufacturing, including automation, and sustainability (including recycling) of these materials.

EERE eXCHANGE is designed to enforce the deadlines specified in this FOA. The "Apply" and "Submit" buttons will automatically disable at the defined submission deadlines. Should applicants experience problems with EERE eXCHANGE, the following information may be helpful.

Applicants that experience issues with submission PRIOR to the FOA deadline: In the event that an applicant experiences technical difficulties with a submission, the applicant should contact the EERE eXCHANGE helpdesk for assistance (EERE-eXCHANGESupport@hq.doe.gov). The EERE eXCHANGE helpdesk and/or the EERE eXCHANGE system administrators will assist applicants in resolving issues.

Please see the full FOA in the DOCUMENTS section below.

DOCUMENTS

- [Funding Opportunity Announcement \(Modification 0002\)](#) (Last Updated: 4/25/2023 03:09 PM ET)
- [Q&A Spreadsheet \(Large Wind Turbine Materials and Manufacturing\)](#) (Last Updated: 6/7/2023 10:51 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
- A-WCAM@ee.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 3/23/2023 5:00 PM ET
- Full Application Submission Deadline: 5/17/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 6/14/2023 5:00 PM ET – 6/20/2023 5:00 PM ET

DE-FOA-0002910: REDUCING AGRICULTURAL CARBON INTENSITY AND PROTECTING ALGAL CROPS (RACIPAC)

Amendment 000001 - The purpose of this amendment is to modify the announcement document to correct an error by removing all references to the Letter of Intent phase of the application process, as it is not required for this FOA. See FOA DE-FOA-0002910/000001 for details.

Reducing Agricultural Carbon Intensity and Protecting Algal Crops (RACIPAC)

DE-FOA-0002910

The Bioenergy Technologies Office's (BETO's) Renewable Carbon Resources (RCR) program develops science-based strategies and technologies to cost-effectively transform renewable carbon resources such as agricultural waste and algae into high-quality, environmentally sustainable, conversion-ready feedstocks for biofuels and bioproducts. This funding opportunity announcement (FOA), through two distinct topic areas – the first focused on climate-smart agricultural practices and the second on algae crop protection – supports BETO's RCR Program's strategies for the development of conversion-ready feedstocks for biofuels and bioproducts and supports the Biden Administration's goal to produce sustainable aviation fuels.

Climate-smart agricultural practices, such as conservation tillage, cover crops, nutrient management, and soil amendments (e.g., biochar applications), are promising approaches to reduce carbon intensity and improve sustainable production of biomass resources. Topic Area 1 projects will assess the efficacy of climate-smart agricultural practices that reduce the carbon intensity (CI) of biomass feedstocks for biofuels. Implementation of climate-smart agricultural practices is essential to produce low CI feedstocks, particularly from agricultural residues to enable sustainable aviation fuel production with lower greenhouse gas emissions. **Topic Area 1**, Climate-Smart Agricultural Practices for Low Carbon Intensity Feedstocks, has two subtopic areas:

- Subtopic Area 1a: Climate-Smart Agricultural Practices to Produce Low CI Feedstocks Derived from Agricultural Residues, and
- Subtopic Area 1b: Biochar Strategies to Increase Soil Carbon Levels and Agronomic Benefits of Crops for Energy Production

Cultivating algae (micro-, macro-, and cyanobacteria) and converting it to biofuels and bioproducts is an important component of BETO's strategy for enabling the production of sustainable aviation fuels (SAF). One of the major cost contributors of producing algae is biomass loss due to predation, competition, and pest infestations. Developing effective strategies to protect algal biomass production is essential to meeting BETO's long-term goals of decarbonizing the transportation and industrial sectors via cost competitive algal-derived biofuels and bioproducts. **Topic Area 2**, Algae Crop Protection, focuses on developing crop protection methods and strategies for algae cultivation systems.

Questions regarding the FOA must be submitted to FY23BETORACIPACFOA@ee.doe.gov.

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance

(exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

Please see the full FOA in the DOCUMENTS section below.

The required Concept Paper due date for this FOA is 03/20/2023 at 5PM ET. The Full Application due date for this FOA is 05/16/2023 at 5PM ET.

DOCUMENTS

- [DE-FOA-0002910 Reducing Agricultural Carbon Intensity and Protecting Algal Crops \(RACIPAC\)](#) (Last Updated: 2/17/2023 03:44 PM ET)
- [DE-FOA-0002910 RACIPAC Question and Answer Log](#) (Last Updated: 7/14/2023 10:04 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

There will not be a webinar for this FOA.

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
- fy23betoracipacfoa@ee.doe.gov
- ExchangeHelp@hq.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 3/20/2023 5:00 PM ET
- Full Application Submission Deadline: 5/16/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 7/11/2023 5:00 PM ET – 7/14/2023 5:00 PM ET

DE-FOA-0002945: ONSITE ENERGY TECHNICAL ASSISTANCE PARTNERSHIPS

Modification 0001

Changes include updates to the following sections:

1. I.B.i. Topic Area 1: Regional Onsite Energy Technical Assistance Partnerships: Multi-State Regions
2. III.A.ii. Domestic Entities
3. III.A.iii. Foreign Entities
4. IV.D.i. Full Application Content Requirements
5. IV.D.ii. Technical Volume for Topic Area 1, Cover Page
6. IV.D.iii. Resumes
7. IV.J.iii. Performance of Work in the United States (Foreign Work Waiver)
8. Appendix A.2 Waiver for Performance of Work in the United States (Foreign Work Waiver)
9. Added section IV.D.xvi. Transparency of Foreign Connections
10. Added section IV.D.xvii. Potentially Duplicative Funding Notice
11. Added section IV.J.xi. Foreign Collaboration Considerations
12. Added section IV.J.xii. Prohibition Related to Foreign Government-Sponsored Talent Recruitment Programs

The Office of Energy Efficiency and Renewable Energy (EERE) is issuing, on behalf of the Industrial Efficiency and Decarbonization Office (IEDO), a Funding Opportunity Announcement (FOA) entitled "Onsite Energy Technical Assistance Partnerships." This FOA will invest up to \$23 million for the development and operations of the Onsite Energy Technical Assistance Partnerships (TAPs). This FOA supports DOE's industrial decarbonization strategy by providing technical assistance to help industrial facilities and other large energy users increase the adoption of clean onsite energy technologies.

For nearly two decades, DOE has supported a regional network of technical assistance providers, known as the CHP Technical Assistance Partnerships (CHP TAPs). The CHP TAPs promote and assist in transforming the market for CHP, waste heat to power, and district energy technologies throughout the United States. To meet the evolving needs in the industrial sector, EERE is initiating a broader TAP program with the goal of providing similar services for a broader set of technologies that include renewable energy and storage through a new Onsite Energy TAP Program.

Awards will fund entities to provide direct technical services to assist end-users and other stakeholders with identifying technology options for achieving clean energy objectives. Technical services can range from initial site screenings to more advanced analysis to support project installations. The Onsite Energy TAPs will also engage with policymakers, utilities, and other key stakeholders to accelerate pathways for integration of onsite energy technologies. Additional activities will include developing public tools and resources, sharing best practices, and building partnerships that drive decarbonization in the U.S. industrial sector.

This FOA will make awards in two Topic Areas.

Topic Area 1: Regional Onsite Energy TAPs will fund up to 10 entities to serve as regional Onsite Energy TAPs. Each TAP will represent a multi-state region and serve as the primary technical, market, and policy point of contact for end-users and other state and local stakeholders that engage with the Onsite Energy TAP Program.

Topic Area 2: Onsite Energy Technical Analysis and Support Center (TASC), will fund one (1) national entity to serve in the role of Onsite Energy Technical Analysis and Support Center. The TASC will centrally coordinate technical analysis and programmatic activities of the Onsite Energy TAP Program. The TASC will serve as the liaison between the regional Onsite Energy TAPs, the IEDO Program Manager, and national lab experts supporting this program.

EERE eXCHANGE is designed to enforce the deadlines specified in this FOA. The "Apply" and "Submit" buttons will automatically disable at the defined submission deadlines. Should applicants experience problems with EERE eXCHANGE, the following information may be helpful.

Applicants that experience issues with submission PRIOR to the FOA deadline: In the event that an applicant experiences technical difficulties with a submission, the applicant should contact the EERE eXCHANGE helpdesk for assistance (EERE-eXCHANGESupport@hq.doe.gov). The EERE eXCHANGE helpdesk and/or the EERE eXCHANGE system administrators will assist applicants in resolving issues.

Please see the full FOA in the DOCUMENTS section below.

The Teaming Partner List is transferred from Notice of Intent (NOI) DE-FOA-0002944. The list will remain open and updated at least weekly until the close of the Full Application period, to reflect new Teaming Partners who have provided their information.

DOCUMENTS

- [DE-FOA-0002945.0001 Onsite Energy TAP Program](#) (Last Updated: 3/14/2023 02:39 PM ET)
- [Question & Answer Spreadsheet](#) (Last Updated: 4/17/2023 03:40 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

An information webinar was held on February 22, 2023 at 1:00 PM ET

Link to Webinar Recording (password below):

<https://doe.webex.com/doe/ldr.php?RCID=3a84b6077c8cc7e60f417ebdd9ac9542>

Password: fFWYQcA2

- [Webinar Transcript](#) (Last Updated: 3/16/2023 03:01 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions regarding the Exchange website
- onsiteenergy@ee.doe.gov
For questions related to the funding opportunity announcement

SUBMISSION DEADLINES

- Letter of Intent Deadline: 2/28/2023 5:00 PM ET
- Full Application Submission Deadline: 4/21/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 5/16/2023 5:00 PM ET – 5/21/2023 5:00 PM ET

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0002864: AMMTO-BTO AND OE FY22 MULTI-TOPIC FOA

Modification 0003:

1. Changes include corrections to the naming convention of the Community Benefits Plan submissions under Section IV.D.i. and elimination of a paragraph referencing a separate submittal of a Diversity, Equity, and Inclusion Plan in Section IV.D.xv.

Modification 0002:

Changes include revisions to the following sections:

1. IV.D.iii Resumes
2. IV.D.xvi Current and Pending Support
3. IV.D.xvii Transparency of Foreign Connection

Modification 0001:

1. Changes include updates to FOA subtopics 1.1 and 1.3 in Section I.B
2. Updated maximum file size to 50MB in sections IV.B and IV.D.i
3. Updated Appendix C to include waiver information on Foreign Work

This multitopic FOA is a joint effort between EERE's Advanced Materials and Manufacturing Technologies Office (AMMTO), the Building Technologies Office (BTO), and DOE's Office of Electricity (OE).

Specifically, the goals of this multi-topic FOA are to:

- Validate and demonstrate next generation materials and manufacturing processes including domestic pilot demonstrations and related technologies to support the transition to U.S. manufacturing;
- Enable environmentally and socially responsible domestic manufacturing with diversified domestic supply of feedstocks including from recycled goods; and
- Mature nascent technologies, processes, and methods that improve the performance and market penetration of clean energy technologies and emerging building efficiency technologies.

This FOA will support activities to advance efficiency improvements and enhance manufacturing competitiveness through technological innovation by focusing on three main topic areas: (1) Next Generation Materials and Manufacturing Processes; (2) Secure and Sustainable Materials; and (3) Energy Technology Manufacturing. The multi-topic FOA integrates several identified research opportunities across AMMTO into a single funding opportunity that is intended to fund high-impact RD&D.

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

Please see the full FOA in the DOCUMENTS section below.

DOCUMENTS

- [DE-FOA-0002864 Multi-Topic FAQs - 5-10-23](#) (Last Updated: 5/10/2023 01:19 PM ET)
- [Modification 0003 to DE-FOA-0002864 AMMTO-BTO and OE FY22 Multi-Topic FOA](#) (Last Updated: 3/16/2023 03:08 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- AMMTO_MultitopicFOA@ee.doe.gov
- EERE-ExchangeSupport@hq.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 2/3/2023 5:00 PM ET
- Full Application Submission Deadline: 4/7/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 5/11/2023 9:00 AM ET – 5/15/2023 11:59 PM ET

DE-FOA-0002919: NOTICE OF INTENT (NOI) TO ISSUE HYDROGEN AND FUEL CELL TECHNOLOGIES OFFICE FUNDING OPPORTUNITY ANNOUNCEMENT IN SUPPORT OF HYDROGEN SHOT

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Hydrogen and Fuel Cell Technologies Office, a Funding Opportunity Announcement (FOA) entitled "Hydrogen and Fuel Cell Technologies Office FOA in Support of Hydrogen Shot."

Clean hydrogen and fuel cell technologies are important elements of a comprehensive energy portfolio, particularly for use in hard-to-decarbonize sectors of the economy (such as heavy-duty transportation and industrial applications) and to enable long duration energy storage for a clean electric grid. These elements directly support administration goals to put the United States on a path to achieving carbon pollution-free electricity by 2035 and net-zero emissions economy-wide by no later than 2050 to benefit all Americans. This FOA will support research, development, and demonstration (RD&D) of affordable hydrogen and fuel cell technologies, as aligned with the vision outlined in DOE's draft national clean hydrogen strategy and roadmap—*affordable clean hydrogen for a net-zero carbon future for a sustainable, resilient, and equitable economy*. This FOA will address significant challenges to successful implementation of the national clean hydrogen strategy and roadmap, including the need for cost reductions and performance improvements for both fuel cell and hydrogen infrastructure technologies.

This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All of the information contained in this Notice is subject to change. EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions.

EERE plans to issue the FOA on or about January 2023 via the EERE eXCHANGE website <https://eere-exchange.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in EERE eXCHANGE. When the FOA is released, applications will be accepted only through EERE eXCHANGE.

DOCUMENTS

- [Notice of Intent \(NOI\) to issue Hydrogen and Fuel Cell Technologies Funding Opportunity Announcement \(FOA\) in Support of Hydrogen Shot](#) (Last Updated: 12/23/2022 01:51 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions regarding the EERE Exchange System.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002813: BIPARTISAN INFRASTRUCTURE LAW: RESILIENT AND EFFICIENT CODES IMPLEMENTATION

The U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) Building Technologies Office (BTO) is issuing this Funding Opportunity Announcement (FOA) titled Bipartisan Infrastructure Law: Resilient and Efficient Codes Implementation.

The activities to be funded under this FOA support the BIL, as well as a broader government-wide approach to advance building codes and support their successful implementation. The primary focus centers around updating to more efficient building energy codes that save money for American homes and businesses, reduce greenhouse gas (GHG) emissions, and encourage more resilient buildings.

This FOA includes one topic area broadly focused on the cost-effective implementation of updated energy codes.

DOE expects to make a total of approximately \$45,000,000 of federal funding available for new awards under this FOA, subject to the availability of appropriated funds. DOE anticipates making approximately 10-30 awards under this FOA. DOE may issue one, multiple, or no awards. Individual awards may vary between \$500,000 and \$10,000,000.

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

DOCUMENTS

- [DE-FOA-0002813_BIL_Resilient_and_Efficient_Codes_Implementation](#) (Last Updated: 12/16/2022 06:15 PM ET)
- [20230127_RECI_Teaming_Partner_List](#) (Last Updated: 1/30/2023 10:38 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- RECI_FOA@ee.doe.gov
Questions about this FOA
- EERE-ExchangeSupport@hq.doe.gov
Problems with EERE Exchange. Include FOA name and number in the subject line.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 1/31/2023 5:00 PM ET
- Full Application Submission Deadline: 3/27/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 4/25/2023 8:00 AM ET – 5/23/2023 5:00 PM ET

TPL-0000006: TEAMING PARTNER LIST, BIPARTISAN INFRASTRUCTURE LAW: CLEAN HYDROGEN ELECTROLYSIS, MANUFACTURING, AND RECYCLING, FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002922

EERE is compiling a Teaming Partner List to facilitate the widest possible national participation in the formation of applicant teams for this potential FOA. The list allows organizations who may wish to participate in an application to express their interest to other potential applicants and to explore potential partners, including representation from Minority Serving Institutions (e.g., Historically Black Colleges and Universities (HBCUs)/Other Minority Serving Institutions); and partnerships with Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or tribal nations.

DOCUMENTS

- [Teaming_partner_list_-_Topic_and_Background_Information](#) (Last Updated: 12/17/2022 10:12 AM ET)

CONTACT INFORMATION

- HFTOBILFOA@ee.doe.gov

TEAMING PARTNERS

DE-FOA-0002921: NOTICE OF INTENT TO ISSUE BIPARTISAN INFRASTRUCTURE LAW (BIL) FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002922 “CLEAN HYDROGEN ELECTROLYSIS, MANUFACTURING, AND RECYCLING”

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue a Funding Opportunity Announcement (FOA) entitled “Bipartisan Infrastructure Law: Clean Hydrogen Electrolysis, Manufacturing, and Recycling.”

The activities to be funded under this FOA support Sec. 40314 of the Infrastructure Investment and Jobs Act (also known as the Bipartisan Infrastructure Law, or BIL[1]), which amended Title VIII of the Energy Policy Act (EPAAct) of 2005 to include a new section 815, “Clean Hydrogen Manufacturing and Recycling” and a new section 816, “Clean Hydrogen Electrolysis Program.” Through these provisions, the BIL will invest \$500 million for the development of manufacturing and recycling of clean hydrogen technologies, and \$1 billion for electrolyzer development for the five (5) year period encompassing Fiscal Years (FYs) 2022 through 2026. This FOA will be an integral part of the programs developed under these provisions. In addition to this FOA (which includes up to \$750M of the total \$1.5B), other activities included in the programs will include funding for national laboratories, Small Business Innovative Research projects, Prizes, and additional FOAs or other funding mechanisms. These activities will support the broader government-wide approach to accelerate progress in clean hydrogen technologies and maximize the benefits of the clean energy transition as the nation works to curb the climate crisis, empower workers, and advance environmental justice.

[1] Infrastructure Investment and Jobs Act, Public Law 117-58 (November 15, 2021). <https://www.congress.gov/bill/117th-congress/house-bill/3684>. This FOA uses the more common name “Bipartisan Infrastructure Law.”

This notice of intent (NOI) is issued so that interested parties are aware of EERE’s intention to issue this FOA in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

- [NOI to Issue BIL FOA DE-FOA-0002922 Clean Hydrogen Electrolysis, Manufacturing, and Recycling](#) (Last Updated: 12/17/2022 10:17 AM ET)
- [Teaming partner list - Topic and Background Information](#) (Last Updated: 12/17/2022 10:11 AM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions regarding the EERE Exchange system.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002909: NOTICE OF INTENT TO ISSUE: FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002910 AND FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002946

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Bioenergy Technologies Office (BETO), two Funding Opportunity Announcements (FOAs):

1. DE-FOA-0002910, entitled “Reducing Carbon Intensity and Protecting Algal Crops (RACIPAC)” and
2. DE-FOA-0002946, entitled “2023 Conversion R&D FOA.”

These FOAs support the Bioenergy Technologies Office’s research and development (R&D) priorities in the areas of (a) Renewable Carbon Resources (RCR) and (b) Conversion. Specifically, the RACIPAC FOA will support high-impact R&D focusing on reducing the carbon intensity of agricultural feedstocks, improving soil carbon levels, and protecting cultivated algal crops from pests. The Conversion R&D FOA will support development of technologies that convert domestic lignocellulosic biomass and waste resources including industrial syngas into affordable biofuels and bioproducts that significantly reduce carbon emissions on a life-cycle basis (minimum of 70% decrease in greenhouse gas (GHG) emissions), compared to equivalent petroleum-based products.

The R&D activities to be funded under both FOAs support the government-wide approach to the climate crisis by driving innovations that lead to the deployment of clean energy technologies. These FOAs will advance President Biden’s Administration’s goals to “deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050.”¹ R&D activities funded from these FOAs provide routes to transform renewable carbon resources such as agricultural residues and algae into high-quality, environmentally sustainable, conversion-ready feedstocks and to develop and deploy the conversion technologies for the production of chemicals and fuels with >70% reduction in GHG emissions. Additionally, these FOAs will support the President’s goal to produce 3 billion gallons of sustainable aviation fuels (SAF) per year and reduce aviation emissions by 20% by 2030, both of which will unlock the potential for a fully zero-carbon aviation sector by 2050.

It is anticipated the FOAs may include the following Areas of Interest:

1. Reducing Agricultural Carbon Intensity and Protecting Algal Crops FOA (RACIPAC):

Area of Interest (AOI) 1: Climate-Smart Agricultural Practices for Low Carbon Intensity (CI) Feedstocks

Area of Interest 2: Algae Crop Protection

2. 2023 Conversion R&D FOA:

Area of Interest 1: Overcoming Barriers to Syngas Conversion

Area of Interest 2: Strategic Opportunities for Decarbonization of the Chemicals Industry Through Biocatalysts

This Notice is issued so that interested parties are aware of the EERE’s intention to issue these FOAs in the near term. All of the information contained in this Notice is subject to change. EERE will not respond to questions concerning this Notice. Once the FOAs have been

released, EERE will provide for potential Applicants to submit questions.

EERE plans to issue the FOAs in or around January 2023 via the EERE eXCHANGE website <https://eere-eXCHANGE.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding these FOAs, they should register in EERE eXCHANGE. When the FOAs are released, applications will be accepted only through EERE eXCHANGE.

DOCUMENTS

- [DE-FOA-0002909 Notice of Intent to Issue: 1. DE-FOA-0002910, entitled "Reducing Agricultural Carbon Intensity and Protecting Algal Crops \(RACIPAC\)" and 2. DE-FOA-0002946, entitled "2023 Conversion R&D FOA."](#) (Last Updated: 12/15/2022 12:38 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions regarding the EERE Exchange system.

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002892: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002893 ENTITLED FISCAL YEAR 2023 VEHICLE TECHNOLOGIES OFFICE PROGRAM WIDE FUNDING OPPORTUNITY ANNOUNCEMENT.

Notice of Intent to Issue Funding Opportunity Announcement (FOA) no. DE-FOA-0002893 entitled Fiscal Year 2023 Vehicle Technologies Office Program Wide Funding Opportunity Announcement.

This FOA will advance research, development, demonstration, and deployment (RDD&D) in several areas critical to achieving net-zero greenhouse gas (GHG) emissions by 2050, including: reduction of weight and cost of batteries, reduction in life cycle emissions of advanced lightweight materials, reduced costs and advanced technologies for both on- and off-road vehicle charging and infrastructure, innovative public transit solutions, and training to increase deployment of these technologies among diverse communities.

DOCUMENTS

- [FOA_EE0002892_Notice_of_Intent](#) (Last Updated: 12/13/2022 09:22 AM ET)

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002788: BUILDINGS ENERGY EFFICIENCY FRONTIERS & INNOVATION TECHNOLOGIES (BENEFIT) – 2022/2023

The Office of Energy Efficiency and Renewable Energy (EERE) is issuing, on behalf of the Building Technologies Office (BTO), a Funding Opportunity Announcement (FOA) titled "Buildings Energy Efficiency Frontiers & Innovation Technologies (BENEFIT) – 2022/2023".

The 2022/2023 BENEFIT FOA will invest up to \$15.35M - \$45.2M across 5 topic areas to allow all interested parties to research and develop high-impact, cost-effective technologies and practices that will reduce carbon emissions, improve flexibility and resilience, as well as lower energy costs.

Topic 1: Heating, Ventilation, and Air Conditioning and Water Heating: Technologies with improved materials, components, equipment design and engineering, lower cost manufacturing processes, and easier installation.

Topic 2: Thermal Energy Storage (TES): Development and validation of next generation plug-and-play TES products with improved cost and performance and ease of installation to accelerate adoption of TES in HVAC applications.

Topic 3: Battery Energy Storage Systems (BESS): Development, validation, and demonstration of product innovations that reduce the cost of BESS integration, improve the coordination between distributed BESS and the electrical grid, as well as help meet building decarbonization targets.

Topic 4: Plug Loads/Lighting: Integration of plug load controls with connected lighting systems in commercial buildings with minimal cost and complexity to support building electrification.

Topic 5: Opaque Building Envelope: Development, validation, and demonstration of high-impact, affordable, opaque building envelope retrofit and diagnostic technologies.

BTO is compiling a "teaming" partner list to facilitate widespread participation in this FOA. This list allows organizations with expertise in the topics to express their interest to potential applicants and to explore potential partnerships. Please see the Teaming List section of the FOA document for more information.

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

DOCUMENTS

- [DE-FOA-0002788_BENEFIT_2022-2023_FOA](#) (Last Updated: 1/27/2023 12:10 PM ET)
- [DE-FOA-0002788_BENEFIT_2022-2023 - Teaming Partner List 3-23-2023](#) (Last Updated: 3/24/2023 10:57 AM ET)
- [DE-FOA-0002788_BENEFIT_2022-23 - Q&A](#) (Last Updated: 4/6/2023 04:02 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of Exchange
- BENEFIT22@ee.doe.gov
Questions regarding the FOA

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 2/7/2023 5:00 PM ET
- Full Application Submission Deadline: 4/5/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 5/16/2023 5:00 PM ET – 5/24/2023 5:00 PM ET

TPL-0000004: TEAMING PARTNER LIST FOR ONSITE ENERGY TECHNICAL ASSISTANCE PARTNERSHIPS (NOTICE OF INTENT NO. DE-FOA-0002944)

This Teaming Partner List is for the Onsite Energy Technical Assistance Partnerships Funding Opportunity Announcement No. DE-FOA-0002945 issued by the Industrial Efficiency and Decarbonization Office (IEDO).

DOE encourages collaboration and diverse partnerships to maximize the impact of work under this FOA. To assist with the formation of project teams demonstrating expertise across a range of technical, market, and policy areas relevant to onsite energy, DOE is compiling a "Teaming Partner List." The Teaming Partner List allows organizations who may wish to participate on an application to express their interest to other applicants and to explore potential partnerships.

Each entry should only include one topic area. Submit multiple entries if you are interested in partnering on Topic 1 and Topic 2. Updates to the Teaming Partner List will be available in the EERE Exchange website. The Teaming Partner List will be regularly updated to reflect new teaming partners who have provided their organization's teaming partner information.

DOCUMENTS

- [How to Submit Teaming Partner List Entry](#) (Last Updated: 12/14/2022 09:17 AM ET)

CONTACT INFORMATION

- onsiteenergy@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0002944: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002945 FOR ONSITE ENERGY TECHNICAL ASSISTANCE PARTNERSHIPS

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Industrial Efficiency and Decarbonization Office (IEDO), a Funding Opportunity Announcement (FOA) entitled "Onsite Energy Technical Assistance Partnerships."

EERE's IEDO accelerates the innovation and adoption of cost-effective technologies that eliminate industrial greenhouse gas (GHG) emissions. IEDO provides planning, management, and direction necessary for a balanced national program of research, development, demonstration, technical assistance, and workforce development to drive energy, materials and production efficiency, and decarbonization across the industrial sector.

Onsite clean energy technologies will play a critical role in advancing the Biden Administration's goals to achieve carbon pollution-free electricity by 2035 and to "deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050. At the same time, industrial sector stakeholders are increasingly seeking technical assistance to identify and deploy onsite technology solutions that can help reach portfolio-wide GHG targets, replace onsite fossil-fueled equipment, and balance resilience requirements. This FOA supports technical assistance for deployment of onsite clean energy technologies, including but not limited to solar photovoltaics, solar thermal, wind power, renewable fuels, geothermal, battery storage, thermal storage, industrial heat pumps, combined heat and power (CHP), district energy, and others.

THIS IS A NOTICE OF INTENT (NOI) ONLY. This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All of the information contained in this Notice is subject to change. EERE may issue a FOA as described herein, may issue a FOA that is significantly different from the FOA described herein, or EERE may not issue a FOA at all.

EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions.

Prospective applicants to the FOA should begin developing partnerships, formulating ideas, and gathering data in anticipation of the

issuance of this FOA. EERE is compiling a "Teaming Partner List" to facilitate the formation of new project teams for this FOA. The Teaming Partner List allows organizations who may wish to participate on an application to express their interest to other applicants and to explore potential partnerships.

DOCUMENTS

- [Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0002945](#) (Last Updated: 12/14/2022 11:19 AM ET)

CONTACT INFORMATION

- ExchangeHelp@hq.doe.gov
For questions regarding help with the eXCHANGE website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: TBD
- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-LC-000L098: FY23 TECHNOLOGY COMMERCIALIZATION FUND (TCF) BASE ANNUAL APPROPRIATIONS CORE LABORATORY INFRASTRUCTURE FOR MARKET READINESS (CLIMR) LAB CALL

This lab call represents the combined effort of nine distinct U.S. Department of Energy (DOE) Technology Offices. The Department of Energy Technology Commercialization Fund (TCF) was established by Congress through the Energy Policy Act of 2005 (EPAct05) and reauthorized by the Energy Act of 2020 (EA 2020) to "promote promising energy technologies for commercial purposes." Within DOE, the Office of Technology Transitions (OTT) is charged with leading policy and programs related to technology commercialization. The goal of TCF is to improve America's energy competitiveness and security by accelerating commercialization and the shepherding of critical energy technologies from the lab to the market, where the private sector will continue to innovate.

For Fiscal Year 2023 (FY23), DOE continues to implement the revised approach with TCF for Base Annual Appropriations. Persistent barriers and known gaps that deter the commercialization of laboratory technologies continue to exist and improvements are still needed. The intent of the Core Laboratory Infrastructure for Commercialization topics (Topics 1, 2, 3, 5 and 6) are to fill in missing infrastructure pieces and strengthen those already there by addressing core commercialization challenges, barriers, and gaps, as well as their root causes (inside and outside of the labs). Additionally, for FY23, the lab call will also seek proposals from Labs to advance the commercialization of individual energy-related technologies (Topic 4).

DOCUMENTS

- [DE-LC-000L098_FY23_TCF_Base_CLIMR_Lab_Call_-_Final](#) (Last Updated: 12/14/2022 08:14 AM ET)
- [DE-LC-000L098_FY23_TCF_CLIMR_Lab_Call_Informational_Webinar](#) (Last Updated: 1/4/2023 04:47 PM ET)
- [FY23_TCF_CLIMR_DEIA_Webinar_Slides_Part_1](#) (Last Updated: 1/4/2023 04:48 PM ET)
- [FY23_TCF_CLIMR_DEIA_Webinar_Slides_Part_2: Prioritizing DEIA and Justice in your Lab Call](#) (Last Updated: 1/4/2023 04:49 PM ET)
- [DE-LC-000L098_TCF_Lab_Call_QA_03162023](#) (Last Updated: 3/16/2023 02:40 PM ET)

WEBINAR DETAILS

Public Informational Webinar for Lab Call Overview: January 4, 2023 at 1:00 pm (ET)

Please register for the Public Informational webinar [here](#).

Public Informational Webinar on Diversity, Equity, Inclusion, and Accessibility (DEIA) for FY23 TCF Proposals: January 4, 2023 at 2:30 pm (ET)

Please register for the Public DEIA webinar [here](#).

CONTACT INFORMATION

- TCF@hq.doe.gov
For questions regarding this lab call please contact this email.
- EERE-ExchangeSupport@hq.doe.gov
For Exchange support please contact this email.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 1/25/2023 3:00 PM ET
- Full Application Submission Deadline: 3/17/2023 3:00 PM ET
- View Full Application Reviewer Comments Period: 4/25/2023 12:00 PM ET – 5/4/2023 5:00 PM ET

DE-LC-000L100: BIPARTISAN INFRASTRUCTURE LAW TECHNOLOGY COMMERCIALIZATION FUND: CARBON DIOXIDE REMOVAL MEASUREMENT, REPORTING, AND VERIFICATION BEST PRACTICES AND CAPABILITIES LAB CALL

The Department of Energy's (DOE's) Office of Technology Transitions (OTT), in partnership with the Office of Fossil Energy and Carbon Management, announced a lab call to accelerate commercialization of carbon dioxide removal (CDR) technologies, including direct air capture, by advancing measurement, reporting, and verification best practices and capabilities.

The lab call is funded by the Infrastructure Investment and Jobs Act, also known as the Bipartisan Infrastructure Law (BIL), as part of the DOE Technology Commercialization Fund (TCF). OTT expects to make \$15 million in BIL TCF federal funding available for projects led by DOE National Laboratories, plants, and sites and supported by diverse industry partnerships spanning the emerging CDR sector.

Navigate to [TPL-0000005](#) in Exchange to access the Teaming Partner List for this solicitation.

DOCUMENTS

- [DE-LC-000L100_FY23_TCF_BIL_MRV_Lab_Call_Mod_1](#) (Last Updated: 3/2/2023 11:51 AM ET)
- [DE-LC-000L100_BIL_TCF_Lab_Call_QA_03.14](#) (Last Updated: 3/14/2023 05:11 PM ET)

WEBINAR DETAILS

OTT hosted an informational webinar on Dec. 20, 2022. Slides, recording, and Q&A (including questions from webinar) are posted on Exchange.

- [Informational webinar presentation slides](#) (Last Updated: 12/22/2022 10:25 PM ET)
- [GMT20221220-185847_Recording](#) (Last Updated: 1/4/2023 08:24 PM ET)

CONTACT INFORMATION

- TCF.BIL@hq.doe.gov
For questions related to the lab call or BIL TCF program.
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the Exchange website.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 1/20/2023 3:00 PM ET
- Full Application Submission Deadline: 3/17/2023 3:00 PM ET

TPL-0000005: TEAMING PARTNER LIST FOR CARBON DIOXIDE REMOVAL MEASUREMENT, REPORTING, AND VERIFICATION BEST PRACTICES AND CAPABILITIES LAB CALL (DE-LC-000L100)

DOE is compiling a Teaming Partner List to facilitate the formation of new project teams for Lab Call [DE-LC-000L100](#) entitled "Bipartisan Infrastructure Law Technology Commercialization Fund: Carbon Dioxide Removal Measurement, Reporting, and Verification Best Practices and Capabilities."

As a Lab Call, only DOE National Laboratories, plants, and sites are eligible prime applicants. Successful projects will be supported by diverse industry partnerships spanning the emerging CDR sector. The Teaming Partner List allows organizations who may wish to participate on an application to express their interest to other applicants and to explore potential partnerships.

Updates to the Teaming Partner List will be available in the EERE Exchange website. The Teaming Partner List will be regularly updated to reflect new teaming partners who provide their organization's information.

CONTACT INFORMATION

- TCF.BIL@hq.doe.gov
For questions related to the lab call or BIL TCF program.
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the Exchange website.

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

TPL-0000003: TEAMING PARTNER LIST FOR WATER POWER TECHNOLOGIES OFFICE BIL FOA "U.S. TIDAL ENERGY ADVANCEMENT" AS DESCRIBED IN THE REVISED NOTICE OF INTENT NO. DE-FOA-0002847

DOE is compiling a "Teaming Partner List" to facilitate the formation of new project teams for a Funding Opportunity Announcement (FOA) entitled "Bipartisan Infrastructure Law (BIL), Section 41006(a)(2): U.S. Tidal Energy Advancement as described in the Revised Notice of Intent No. DE-FOA-0002847.

The Teaming Partner List allows organizations who may wish to participate on an application to express their interest to other applicants and to explore potential partnerships.

Updates to the Teaming Partner List will be available in the EERE Exchange website. The Teaming Partner List will be regularly updated to reflect new teaming partners who provide their organization's information.

CONTACT INFORMATION

- MarineEnergyFOA@ee.doe.gov

TEAMING PARTNERS

To access the Teaming Partner List for the announcement, click [here](#).

DE-FOA-0002866: BIPARTISAN INFRASTRUCTURE LAW: INDUSTRIAL ASSESSMENT CENTERS PROGRAM - CENTERS OF EXCELLENCE

The Office of Manufacturing and Energy Supply Chains (MESCC) is issuing this restricted eligibility Funding Opportunity Announcement (FOA) to establish up to five regional Centers of Excellence at existing Industrial Assessment Centers (IACs) to coordinate with and advise IACs located in the regions of the Centers of Excellence. DOE expects to make a total of up to \$18,750,000 of federal funding available for three to five awards under this FOA, subject to the availability of appropriated funds. However, DOE may issue one, multiple, or no awards.

Individual awards will be for \$2,500,000 to \$3,750,000 each over a five-year performance period. Awards made under this FOA will be funded, in whole or in part, with funds appropriated by the Bipartisan Infrastructure Law (BIL).

Awards will support up to five regional Centers of Excellence for activities including: (1) Identifying new technologies, tools, and practices of particular importance to regional IAC clients and supporting development of new or expansion of existing assessment tools to incorporate these new technologies, tools, and practices; (2) Coordinating with national and regional stakeholders, including, for example, DOE Offices; the National Laboratories; the Manufacturing USA Network; NIST MEPs; State, Tribal, regional, and local offices and entities; utilities and energy service providers; education, and economic development, workforce development stakeholders; and private industry; (3) Supporting the development of materials and resources for the National Clearinghouse, with a focus on developing materials and resources of regional importance; (4) Coordinating regional outreach to small- and medium-sized manufacturers, and particularly manufacturers in disadvantaged communities, to share information about IAC Program resources and opportunities; promote regional adoption of priority technologies, practices, and tools; and ensure that the IAC Program remains apprised of regional manufacturers' changing needs and capabilities; (5) Mentoring IAC directors and staff regionally, including providing training to IAC directors, staff, and students regarding best practices for carrying out assessments and supporting unusually complex or lengthy IAC assessments within the region; (6) Supporting development of and training on new methods of delivering IAC assessments, including both traditional and virtual assessments that expand the reach of the IAC Program by reducing or eliminating the need for IAC staff and students to travel to work on-site with small- or medium-manufacturers; (7) Supporting student-focused activities, including facilitating connections between graduates and private industry, supporting student research competitions, hosting regional events, recognizing student and alumni achievements, supporting interaction among students and alumni; (8) Forging new relationships and articulation agreements with labor unions, registered apprenticeship programs, and other joint labor-management training partnerships; and (9) Supporting regional and national clean-energy workforce development activities, including but not limited to development and implementation of new degree programs, credentials, and certifications.

Upon the issuance of a FOA, DOE personnel are prohibited from communicating (in writing or otherwise) with applicants regarding the FOA except through the established question and answer process as described below. Specifically, questions regarding this FOA must be submitted to: IACProgram@doe.gov. Questions must be submitted not later than 3 business days prior to the application due date and time. Please note, feedback on individual concepts will not be provided through Q&A. All questions and answers related to this FOA will be posted on EERE Exchange at: <https://eere-eXCHANGE.energy.gov>. You must first select this specific FOA Number to view the questions and answers specific to this FOA. MESC will attempt to respond to a question within 3 business days, unless a similar question and answer has already been posted on the website. Questions related to the registration process and use of the EERE Exchange website should be submitted to: EERE-ExchangeSupport@hq.doe.gov.

DOCUMENTS

- [Bipartisan Infrastructure Law: Industrial Assessment Centers - Centers of Excellence FOA](#) (Last Updated: 12/5/2022 03:32 PM ET)
- [DE-FOA-0002866 IAC FAQs](#) (Last Updated: 2/15/2023 05:27 PM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

WEBINAR DETAILS

- [DE-FOA-0002866 Informational Webinar Recording -- Click on the play icon after opening presentation](#) (Last Updated: 12/21/2022 06:41 AM ET)

CONTACT INFORMATION

- IACProgram@doe.gov
For specific questions related to the FOA
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the registration process and the use of EERE Exchange website

SUBMISSION DEADLINES

- Letter of Intent Deadline: 1/20/2023 5:00 PM ET
- Full Application Submission Deadline: 2/17/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 3/4/2023 8:00 AM ET – 3/9/2023 5:00 PM ET

DE-FOA-0002930: DOE PARTNERSHIP INTERMEDIARY PILOT

Modification 0001

The purpose of this modification is to revise 7. Of the WHITE PAPER REQUIREMENTS. The description of previous PIAs section does not count toward the 10-page limit of the white paper.

The Department of Energy (DOE) seeks to understand the current market capabilities of entities that are performing, or are eligible to perform, as Partnership Intermediaries (PI) that have strong working relationships with an innovative industrial base across the country.

DOE is posting this announcement for the purpose of obtaining information on current market capabilities of entities that are performing, or are eligible to perform, as Partnership Intermediaries (PI). Submission of responses or information under this Announcement does not guarantee that any potential partner(s) will be issued an agreement. DOE may use the information submitted under this announcement to hold discussions with one or more potential agreement holders which may lead to an agreement.

To view the full Broad Agency Announcement (BAA), see the Documents section below.

DOCUMENTS

- [Broad Agency Announcement Modification 0001](#) (Last Updated: 12/1/2022 04:16 PM ET)
- [Q&A Spreadsheet](#) (Last Updated: 3/2/2023 03:10 PM ET)

CONTACT INFORMATION

- OTT_BAA@ee.doe.gov
For questions regarding the FOA
- EERE-ExchangeSupport@hq.doe.gov
For questions specific to the Exchange system

SUBMISSION DEADLINES

- Full Application Submission Deadline: 1/3/2023 5:00 PM ET

DE-FOA-0002882: NOTICE OF INTENT TO ISSUE BIL, SECTION 40552(B): ADMINISTRATIVE AND LEGAL REQUIREMENTS DOCUMENT AND APPLICATION INSTRUCTIONS FOR THE ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT PROGRAM

The U.S. Department of Energy (DOE) Office of State and Community Energy Programs (SCEP) intends to issue an Administrative and Legal Requirements Document (ALRD) for the "Energy Efficiency and Conservation Block Grant (EECBG) Program - section 40552(b) of the Infrastructure Investment and Jobs Act (IIJA) of 2021".

On November 15, 2021, President Joseph R. Biden, Jr. signed the Infrastructure Investment and Jobs Act (Public Law 117-58), also known as the Bipartisan Infrastructure Law (BIL). The BIL is a once-in-a-generation investment in infrastructure, designed to modernize and upgrade American infrastructure to enhance United States competitiveness, drive the creation of good-paying union jobs, tackle the climate crisis, and ensure stronger access to economic, environmental, and other benefits for disadvantaged communities. The BIL appropriates more than \$62 billion to DOE to invest in American manufacturing and workers; expand access to energy efficiency and clean energy; deliver reliable, clean and affordable power to more Americans; and demonstrate and deploy the technologies of tomorrow through clean energy demonstrations.

This Notice is issued so that interested parties are aware of SCEP's intention to issue an ALRD in the near term. All the information contained in this Notice is subject to change. In addition, this Notice provides information on the EECBG Program, including draft funding allocations to states, local governments, and Indian tribes and the potential option for formula grant recipients to select a voucher in lieu of a formula grant. This Notice provides additional details on eligibility requirements and information on submission and registration requirements for formula grant recipients.

DOCUMENTS

- [Energy Efficiency and Conservation Block Grant Program \(EECBG\), Formula Grant NOI](#) (Last Updated: 11/22/2022 10:44 AM ET)
- [Attachment 1a. Local Govt. Allocations](#) (Last Updated: 11/22/2022 10:45 AM ET)
- [Attachment 1b. State Allocations](#) (Last Updated: 11/22/2022 10:45 AM ET)
- [Attachment 1c. Tribal Allocations](#) (Last Updated: 1/3/2023 10:01 AM ET)
- [Attachment 1a. Local Govt. Allocations - Excel](#) (Last Updated: 11/21/2022 04:14 PM ET)
- [Attachment 1b. State Allocations - Excel](#) (Last Updated: 11/21/2022 04:15 PM ET)
- [Attachment 1c. Tribal Allocations - Excel](#) (Last Updated: 11/21/2022 04:15 PM ET)

CONTACT INFORMATION

- ExchangeHelp@hq.doe.gov
For questions related to the use of EERE Exchange.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-LC-0001001: NOTICE OF INTENT (NOI) TO ISSUE BIPARTISAN INFRASTRUCTURE LAW (BIL) TECHNOLOGY COMMERCIALIZATION FUND (TCF) LAB CALL ON CARBON DIOXIDE REMOVAL MEASUREMENT, REPORTING, AND VERIFICATION

The U.S. Department of Energy's Office of Technology Transitions (OTT) intends to issue a Technology Commercialization Fund (TCF) solicitation funded by the Bipartisan Infrastructure Law (BIL). Under TCF BIL, OTT pursues activities that broadly support the commercialization of promising energy technologies while simultaneously enhancing and improving American infrastructure, competitiveness, opportunity, and equity and addressing the climate crisis.

The lab call, developed in partnership with the Office of Fossil Energy and Carbon Management (FECM), solicits proposals from across the DOE national laboratory complex to accelerate commercialization of carbon dioxide removal technologies by advancing measurement, reporting, and verification best practices and capabilities. It could offer an opportunity for industry and other non-federal entities to partner with a National Lab to support the emerging CDR sector.

DOCUMENTS

- [DE-LC-0001001 FY23 TCF BIL Notice of Intent \(NOI\)](#) (Last Updated: 11/7/2022 08:36 AM ET)

CONTACT INFORMATION

- TCF.BIL@hq.doe.gov
For questions related to TCF BIL.
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0002872: DECARBONIZATION OF WATER RESOURCE RECOVERY FACILITIES (D-WRRF)

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Industrial Efficiency and Decarbonization Office, a Funding Opportunity Announcement (FOA) entitled "Decarbonization of Water Resource Recovery Facilities (D-WRRF)".

The purpose of this announcement is to stimulate RD&D to decarbonize the entire life cycle of Water Resource Recovery Facilities (WRRFs), formerly known as Wastewater Treatment Plants (WWTPs). It targets both individual unit processes at earlier stages of technological development, and entire treatment trains at higher levels of technological readiness. It seeks to address both direct and indirect emissions from WRRFs, with the complementary goal of reducing costs, particularly in energy usage and sludge management, to improve the probabilities of real-world adoption.

This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All of the information contained in this Notice of Intent is subject to change. EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions. EERE plans to issue the FOA on or about mid-December via the EERE eXCHANGE website <https://eere-eXCHANGE.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in EERE eXCHANGE. When the FOA is released, applications will be accepted only through EERE eXCHANGE.

DOCUMENTS

- [Notice of Intent to issue FOA DE-FOA-0002855 - Decarbonization of Water Resource Recovery Facilities \(D-WRRF\)](#) (Last Updated: 10/18/2022 04:12 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002847: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002845: BIPARTISAN INFRASTRUCTURE LAW (BIL), SECTION 41006(A)(2): U.S. TIDAL ENERGY ADVANCEMENT

Modification 0001:

The purpose of this modification is to announce the addition of a \$10 million topic area to its proposed funding opportunity DE-EE0002845 BIPARTISAN INFRASTRUCTURE LAW (BIL), SECTION 41006(A)(2): U.S. TIDAL ENERGY ADVANCEMENT to advance tidal and current energy systems, bringing the total funding to \$45 million. This new topic area will support at least one tidal or current energy planning and execution project in the United States, preferably led by a community-based organization or local/municipal government entity. With the addition of this topic area, WPTO's funding opportunity will advance a comprehensive approach to tidal and current energy development in the United States, ranging from funding community-led planning and project execution to making the first large-scale investment in a tidal research, development, and demonstration site.

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Water Power Technologies Office (WPTO), a Funding Opportunity Announcement (FOA) entitled "Bipartisan Infrastructure Law (BIL), Section 41006(a)(2): U.S. Tidal Energy Advancement."

To support the development of tidal and current energy systems in the United States, and move the state of these technologies, DOE will provide the first large scale investment for the development of a tidal Research, Development and Demonstration (RD&D) site. This FOA will provide \$35 million in total funding supporting Section 41006(a)(2) to fund a tidal or river current site development, preferably led by a project/site developer in the U.S., and fund in-water demonstration of at least one tidal energy system.

The overall goals of this FOA are to:

Build upon state clean energy strategies with local partners; Attract competitive tidal/current developers for technology site integration; Improve tidal/current Research and Development (R&D); Build site infrastructure and supply chains, with increased participation at the state level, including local agency, tribal and university research participation; and Establish a working business model covering site development to commercial scale.

DOE is compiling a "teaming" partner list to facilitate widespread participation in this FOA. This list allows organizations with expertise in the topics to express their interest to potential applicants and to explore potential partnerships. Please see the Teaming List section of the NOI document for more information.

This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All the information contained in this Notice is subject to change. EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions.

DOCUMENTS

- [Revised Notice of Intent No](#) (Last Updated: 1/9/2023 11:24 AM ET)

CONTACT INFORMATION

- MarineEnergyFOA@ee.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

TEAMING PARTNERS

To access the Teaming Partner List for this announcement, click [here](#).

DE-FOA-0002840: NOTICE OF INTENT TO ISSUE DE-FOA-0002828 BIPARTISAN INFRASTRUCTURE LAW FOA TO ADDRESS KEY DEPLOYMENT CHALLENGES FOR OFFSHORE, LAND-BASED, AND DISTRIBUTED WIND

The U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Wind Energy Technologies Office (WETO), a Funding Opportunity Announcement (FOA) entitled "Bipartisan Infrastructure Law FOA to Address Key Deployment Challenges for Offshore, Land-Based, and Distributed Wind."

The activities under this FOA support Bipartisan Infrastructure Law section 41007(b)(1): Wind Energy and the broader government-wide approach to enable the innovations needed to advance U.S. wind systems, reduce the cost of electricity, and accelerate the deployment of wind power, maximize the benefits of the clean energy transition as the nation works to curb the climate crisis, empower workers, and advance environmental justice.

It is anticipated that the FOA may include the following Topic Areas:

1. High-Voltage Direct Current (HVDC) for Offshore Wind
2. Advancing Deployment of Distributed Wind (ADD)
3. Wind Energy Social Science Research
4. Bat Deterrent Technology Development

EERE plans to issue the FOA on or about November 2022 via the EERE eXCHANGE website <https://eere-eXCHANGE.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in EERE eXCHANGE. When the FOA is released, applications will be accepted only through EERE eXCHANGE. Please note that these dates are tentative and subject to change.

This is a NOI only. EERE may issue a FOA as described herein, may issue a FOA that is significantly different than the FOA described herein, or EERE may not issue a FOA at all.

DOCUMENTS

- [BIL_WETO_NOI_to_Issue_DE-FOA-0002828](#) (Last Updated: 10/17/2022 05:33 PM ET)

CONTACT INFORMATION

- EERE-ExchangeSupport@hq.doe.gov EERE Exchange website
For questions related to the use of the EERE Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002865: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002864

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the new Advanced Materials and Manufacturing Office Technologies Office (AMMTO) and the Building Technologies Office (BTO), a Funding Opportunity Announcement (FOA) entitled "FY22 Advanced Materials and Manufacturing Technologies—Building Technologies Office Multi-topic Funding Opportunity Announcement."

EERE's AMO collaborates with industry, small business, universities, national laboratories, state and local governments and other stakeholders on emerging manufacturing technologies to drive U.S. industrial decarbonization, productivity and economic competitiveness. AMO has a mission to develop technologies that 1) reduce manufacturing energy intensity and industrial carbon emissions, 2) increase the competitiveness of the U.S. manufacturing sector with a focus on clean energy manufacturing and 3) reduce the life cycle energy and carbon impact of manufactured goods in industry, buildings, transport, power, and agricultural sectors.

EERE's BTO develops, demonstrates, and accelerates the adoption of cost-effective technologies, techniques, tools and services that enable high-performing, energy-efficient and demand-flexible residential and commercial buildings in both the new & existing buildings markets, in support of an equitable transition to a decarbonized energy system by 2050, starting with a decarbonized power sector by 2035.

This FOA supports the Biden-Harris Administration's priorities to enhance manufacturing competitiveness through technological innovation by focusing in three main areas: 1) Next Generation Materials and Manufacturing, 2) Secure and Sustainable Materials, and 3) Energy Technology Manufacturing and Workforce Development. The FOA integrates identified research opportunities across Advanced Materials and Manufacturing Technologies AMO into a single funding opportunity and is intended to fund high-impact, applied research and development and pilot demonstration projects.

THIS IS A NOTICE OF INTENT (NOI) ONLY. This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All of the information contained in this Notice is subject to change. EERE may issue a FOA as described herein, may issue a FOA that is significantly different from the FOA described herein, or EERE may not issue a FOA at all.

EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions.

Prospective applicants to the FOA should begin developing partnerships, formulating ideas, and gathering data in anticipation of the

DOCUMENTS

- [Notice of Intent: DE-FOA-0002865, FY22 Advanced Materials and Manufacturing Technologies - Building Technologies Office Multi-topic Funding Opportunity Announcement](#) (Last Updated: 10/14/2022 10:12 AM ET)

CONTACT INFORMATION

- ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-LC-0001000: NOTICE OF INTENT (NOI) TO ISSUE FY23 APPROPRIATED TECHNOLOGY COMMERCIALIZATION FUND (TCF)

The U.S. Department of Energy's Office of Technology Transitions intends to issue its annual appropriated Technology Commercialization Fund (TCF) solicitation, a call for proposals from National Laboratories, Plants, and Sites. The goal of TCF is to improve America's energy competitiveness and security by accelerating commercialization and shepherding critical clean energy technologies from lab to market, where the private sector will continue to innovate.

The estimated funding available for this appropriated TCF Lab Call could be approximately \$20 million and the solicitation could offer an opportunity for industry, state and local governments, and other non-federal entities to partner with a National Lab to advance energy-related technologies and intellectual property.

DOCUMENTS

- [DE-LC-0001000_FY23_TCF_Notice_of_Intent_\(NOI\)](#) (Last Updated: 10/13/2022 08:08 AM ET)

CONTACT INFORMATION

- TCF@hq.doe.gov
For questions related to TCF.
- EERE-ExchangeSupport@hq.doe.gov
For questions related to the use of the EERE Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002860: NOTICE OF INTENT TO ISSUE FOA NO. DE-FOA-0002823 - LITHIUM EXTRACTION & CONVERSION FROM GEOTHERMAL BRINES

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Advanced Manufacturing Office and Geothermal Technologies Office, a joint Funding Opportunity Announcement (FOA) entitled "Lithium Extraction & Conversion from Geothermal Brines".

Through this FOA, EERE seeks to address gaps in domestic supply chains for lithium batteries for electric vehicles and stationary storage. The U.S. currently has limited production of lithium from domestic sources and also lacks domestic capabilities to refine materials needed to support component manufacturing – including lithium hydroxide needed for lithium battery cathode production. Geothermal brines have proven to be a sustainable resource of critical materials including lithium. Direct lithium extraction from geothermal brines represents an opportunity to produce lithium hydroxide from domestic sources in a safe and environmentally friendly way.

The goals of this FOA are to:

- Enable environmentally and socially responsible domestic manufacturing of battery-grade (i.e., high purity) lithium hydroxide from geothermal brines;
- Diversify the domestic supply of lithium hydroxide;
- Validate and demonstrate domestic pilot plants and related technologies to support the transition to U.S. manufacturing; and
- Mature nascent technologies, processes, and methods to improve treatment of direct lithium extraction influent and effluent streams.

DOE is compiling a "teaming" partner list to facilitate widespread participation in this FOA. This list allows organizations with expertise in the topics to express their interest to potential applicants and to explore potential partnerships. Please see the Teaming List section of the NOI document for more information.

This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All of the information contained in this Notice is subject to change. EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions.

DOCUMENTS

- [Notice of Intent \(NOI\) Lithium FOA](#) (Last Updated: 9/30/2022 12:27 PM ET)
- [Li NOI Teaming Partner List as of 11-15-22](#) (Last Updated: 11/15/2022 11:54 AM ET)

CONTACT INFORMATION

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002804: INDUSTRIAL EFFICIENCY AND DECARBONIZATION FOA

MOD0004: Change Expected Submission Deadline for Replies to Reviewer Comments to 02/24/2023 5:00pm ET.

MOD0003: Change Submission Deadline for Full Applications to 01/11/2023 5:00pm ET and Expected Submission Deadline for Replies to Reviewer Comments to 02/17/2023 5:00pm ET.

MOD0002: Change Submission Deadline for Full Applications to 01/04/2023 5:00pm ET and Expected Submission Deadline for Replies to Reviewer Comments to 02/10/2023 5:00pm ET.

MOD0001: Changes in language related to: Applications Not of Interest for Topic Area 1 clarified in Section I.B. (page 17) and Section I.C. (page 40). Also, clarification of TRL levels permitted for Tier 1 projects on page 13. And on page 15, NAICS code reference revision to 325199 for all other organic chemicals.

The Advanced Manufacturing Office (AMO) plays a leading role in increasing energy efficiency along with decarbonizing the industrial sector. AMO drives the innovation and deployment that can lead to a more resilient, robust, and competitive domestic clean energy manufacturing sector that provides economic opportunities across diverse communities. As part of its industrial efficiency and decarbonization efforts, AMO supports applied research, development, and demonstration (RD&D) targeting the reduction of greenhouse gas (GHG) emissions from high emitting industrial sectors and through cross-sector technologies relevant across multiple industrial sectors. Significant decarbonization of the industrial sector is essential to achieving the overall goal of economy-wide decarbonization by 2050 and creating good paying jobs; while ensuring that U.S. industry remains globally competitive and production is not transferred to locations with higher carbon emissions.

Building a clean and equitable energy economy and addressing the climate crisis is a top priority of the Biden Administration. This FOA will advance the Biden Administration's goals to achieve carbon pollution-free electricity by 2035 and to "deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050" to the benefit of all Americans. The Department of Energy is committed to pushing the frontiers of science and engineering, catalyzing clean energy jobs through research, development, demonstration, and deployment (RDD&D), and ensuring environmental justice and inclusion of underserved communities. The projects selected under this FOA are expected to contribute to the Justice40 Initiative, which set a goal that 40% of the overall benefits of government's climate and clean energy investments will flow to disadvantaged communities.

The research, development, and demonstration (RD&D) activities to be funded under this FOA will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. Specifically, this FOA will fund high-impact, applied research and development and prototype or pilot-scale technology validation and demonstration projects in order to expedite the adoption of transformational industrial technology necessary to increase energy efficiency across industry and in high GHG-emitting industrial subsectors, reducing both energy usage and GHG emissions. This includes cross-sector industrial decarbonization approaches via opportunities in energy efficiency; industrial electrification; low carbon fuels, feedstocks and energy sources; and industrial carbon capture and utilization. This FOA and its associated projects are separate from any forthcoming efforts to be funded under the Bipartisan Infrastructure Law, including activities related to Industrial Emissions Demonstration Projects.

The eXCHANGE system is currently designed to enforce hard deadlines for Concept Paper and Full Application submissions. The APPLY and SUBMIT buttons automatically disable at the defined submission deadlines. The intention of this design is to consistently enforce a standard deadline for all applicants.

Applicants that experience issues with submissions PRIOR to the FOA Deadline: In the event that an Applicant experiences technical difficulties with a submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues.

Applicants that experience issues with submissions that result in a late submission: In the event that an Applicant experiences technical difficulties with a submission that results in a late submission, the Applicant should contact the eXCHANGE helpdesk for assistance (exchangehelp@hq.doe.gov). The eXCHANGE helpdesk and/or the EERE eXCHANGE System Administrators (eXCHANGE@ee.doe.gov) will assist the Applicant in resolving all issues (including finalizing the submission on behalf of, and with the Applicant's concurrence). DOE will only accept late applications when the Applicant has a) encountered technical difficulties beyond their control; b) has contacted the eXCHANGE helpdesk for assistance; and c) has submitted the application through eXCHANGE within 24 hours of the FOA's posted deadline.

Please see the full FOA in the DOCUMENTS section below.

DOCUMENTS

- [DE-FOA-0002804 - Industrial Efficiency and Decarbonization FOA Mod 0004](#) (Last Updated: 2/24/2023 11:59 AM ET)
- [Q&A Spreadsheet \(Industrial Efficiency and Decarb FOA\)](#) (Last Updated: 12/21/2022 04:04 PM ET)
- [Q&A Spreadsheet \(Industrial Efficiency and Decarb FOA\)](#) (Last Updated: 1/10/2023 10:47 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- AMODecarbFOA@ee.doe.gov
Questions regarding this FOA.
- EERE-ExchangeSupport@hq.doe.gov

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 10/12/2022 5:00 PM ET
- Full Application Submission Deadline: 1/11/2023 5:00 PM ET
- View Full Application Reviewer Comments Period: 2/21/2023 12:00 PM ET – 2/24/2023 5:00 PM ET

DE-FOA-0002553: FY21 ADVANCED MANUFACTURING OFFICE MULTI-TOPIC FOA

To drive manufacturing innovation, spur job creation, and enhance manufacturing competitiveness, the Advanced Manufacturing Office (AMO) supports applied research, development, and demonstration in crosscutting, platform technologies to decarbonize the industrial sector and promote the development and growth of a resilient manufacturing sector for multiple emerging clean energy fields.

Building a clean energy and equitable economy and addressing the climate crisis is a top priority of the Biden Administration. This Funding Opportunity Announcement (FOA) will advance the Biden Administration's goal to achieve carbon pollution-free electricity by 2035 and to "deliver an equitable, clean energy future, and put the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050" to the benefit of all Americans. The Department of Energy is committed to pushing the frontiers of science and engineering, catalyzing clean energy jobs through research, development, demonstration, and deployment (RDD&D), and ensuring environmental justice and inclusion of disadvantaged communities.

The research and development (R&D) activities to be funded under this FOA will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. This FOA will support activities to advance efficiency improvements and enhance manufacturing competitiveness through technological innovation by focusing on three main areas, as described below, with subtopics in each area:

Topic Area 1: Manufacturing Process Innovation

Topic Area 1a: Efficiency Improvements to Drying Processes

Topic Area 1b: Advanced Tooling for Lightweight Automotive Components

Topic Area 1c: Sustainable Chemistry Practices in Manufacturing

Topic Area 2: Advanced Materials Manufacturing

Topic Area 2a: Materials for Harsh Service Conditions

Topic Area 2b: Development of Aluminum-Cerium (Al-Ce) Alloys and Processing to Enable Increased Energy Efficiency in Aerospace Applications

Topic Area 3: Energy Systems

Topic Area 3a: Structured Electrode Manufacturing for Lithium-ion Batteries

DOCUMENTS

- [DE-FOA-0002553 AMO 2021 FAQ_03_15_2022](#) (Last Updated: 3/15/2022 03:25 PM ET)
- [DE-FOA-0002553 Advanced Manufacturing Office FY21 Multi-topic FOA MOD0002](#) (Last Updated: 3/15/2022 03:25 PM ET)
- [DE-FOA-0002553 AMO 2021 FAQ_05_04_2022](#) (Last Updated: 5/6/2022 09:17 AM ET)

APPLICATION FORMS AND TEMPLATES

The following forms and templates may be used as part of the application submission. Note that these forms and templates do not necessarily constitute all the documents required for a complete application. Please refer to the 'Application and Submission Information' of the published announcement to learn more about the required application content requirements.

[View Application Forms and Templates](#)

CONTACT INFORMATION

- AMOMultitopicFOA@ee.doe.gov
For questions regarding this FOA .
- EERE-ExchangeSupport@hq.doe.gov
For questions specific to the Exchange system.

SUBMISSION DEADLINES

- Concept Paper Submission Deadline: 9/10/2021 5:00 PM ET
- Full Application Submission Deadline: 11/16/2021 5:00 PM ET
- View Full Application Reviewer Comments Period: 1/5/2022 5:00 PM ET – 1/10/2022 5:00 PM ET

DE-FOA-0002825: BIPARTISAN INFRASTRUCTURE LAW (BIL) - REQUEST FOR INFORMATION (RFI): BAT DETERRENT TECHNOLOGY SOLUTIONS

This is a Request for Information (RFI) issued by the U.S. Department of Energy's (DOE) Wind Energy Technologies Office (WETO), on behalf of the Energy Efficiency and Renewable Energy Office (EERE). The intent of this RFI is to obtain public input regarding research

priorities, partnership interest, the solicitation process, and structure of a potential DOE Funding Opportunity Announcement (FOA) to fund activities to reduce the impacts of wind energy facilities on bat populations in accordance with section 41007(b)(1) of the Infrastructure Investment and Jobs Act.

Specifically, this RFI seeks input on the following topics:

- The current state of bat deterrent technologies and market interest
- Research and development activities necessary to advance deterrent technologies
- Barriers to deployment of deterrents
- Conditions under which technology vendors and wind energy operators would participate in field validation studies
- Solicitation Process, FOA structure, and Implementation Strategy
- Employment: Expanding Union Jobs and Effective Workforce Development
- Equity, Environmental and Energy Justice (EEEJ) Priorities
- Market Adoption and Industry/Sector Sustainability

Information collected from this RFI will be used by DOE for planning purposes to develop a potential FOA. The information collected will not be published.

Responses to this RFI must be submitted electronically to WETOBatRFI@ee.doe.gov no later than 5:00pm (ET) on 09/16/2022. Responses must be provided as attachments to an email.

This is a Request for Information (RFI) only. EERE will not pay for information provided under this RFI and no project will be supported as a result of this RFI. This RFI is not accepting applications for financial assistance or financial incentives. EERE may or may not issue a Funding Opportunity Announcement (FOA) based on consideration of the input received from this RFI.

DOCUMENTS

- [BIL Request for Information DE-FOA-0002825 Bat Deterrent Technology Solutions](#) (Last Updated: 8/23/2022 11:42 AM ET)

CONTACT INFORMATION

- eeere-exchangesupport@hq.doe.gov EERE Exchange Help Desk
For technical issues related to the EERE Exchange Website, please use this contact.
- WETOBatRFI@ee.doe.gov RFI Inbox

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002834: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002801

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Water Power Technologies Office, a Funding Opportunity Announcement (FOA) entitled “Advancing Fish Passage and Protection Technologies”.

This FOA supports advancing innovative fish passage and protection technologies by supporting manufacturers, equipment vendors, and research organizations in gathering relevant information and data through testing to verify biological effects and performance. The development of technical solutions to enable and improve safe, timely, and effective fish passage and protection at hydropower dams can improve hydropower’s environmental performance, supports infrastructure sustainability, and contributes to fish restoration goals.

This notice of intent (NOI) is issued so that interested parties are aware of EERE’s intention to issue this FOA in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

- [DE-FOA-0002834_Notice_of_Intent](#) (Last Updated: 8/23/2022 11:46 AM ET)

CONTACT INFORMATION

- ExchangeHelp@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002818: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002793

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Water Power Technologies Office (WPTO), a Funding Opportunity Announcement (FOA) entitled “Marine Energy Systems Innovation at Sea”.

This notice of intent (NOI) is issued so that interested parties are aware of EERE’s intention to issue this FOA in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

CONTACT INFORMATION

- ExchangeHelp@hq.doe.gov

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002812: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002813, BIPARTISAN INFRASTRUCTURE LAW: BUILDING ENERGY CODES (SECTION 40511): RESILIENT AND EFFICIENT CODES IMPLEMENTATION (RECI)

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Building Technologies Office (BTO), a Funding Opportunity Announcement (FOA) entitled "Building Energy Codes: Resilient and Efficient Codes Implementation (RECI)". EERE intends to issue this FOA in accordance with Section 40511 of the Infrastructure Investment and Jobs Act (BIL), also commonly known as the Bipartisan Infrastructure Law (BIL), which directs the Secretary of Energy to establish a competitive program enabling sustained cost-effective implementation of updated building energy codes. This FOA will be focused on efforts relating to the implementation of more efficient building energy codes, as well encouraging more resilient buildings, including grid-flexibility and stability, storage, durability, and better protection against extreme weather events.

Building energy codes establish minimum levels of energy efficiency for certain residential and commercial buildings. Model energy codes, such as the International Energy Conservation Code (IECC) and ANSI/ASHRAE/IES Standard 90.1 are developed and updated through national consensus processes. States and local governments ultimately implement energy codes, which is handled through various adoption, compliance, and enforcement processes and can vary widely across the United States. The implementation of building energy codes also depends on a significant number of stakeholders, including state and local government agencies, building and safety departments, builders, contractors, and design professionals, as well as a number of affected community interests. Successful implementation of the latest building codes and standards is critical to ensuring their benefits are realized in American homes and businesses.

EERE has compiled a "teaming" partner list to facilitate widespread participation in this initiative. This list allows organizations with expertise in the topic to express their interest to potential applicants and to explore potential partnerships. EERE strongly encourages teams from different organizations, scientific disciplines, and technology sectors to form interdisciplinary and cross-sector teams that span organizational boundaries to enable and accelerate the achievement of scientific and technological outcomes. **Please see the last the page of the NOI document for more information.**

This notice of intent (NOI) is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

- [Notice of Intent \(NOI\) DE-FOA-0002812 - Building Energy Codes RECI](#) (Last Updated: 7/21/2022 01:41 PM ET)

[View Previous Versions](#)

CONTACT INFORMATION

- ExchangeHelp@hq.doe.gov
For questions related to the use of the EERE Exchange website.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002803: NOTICE OF INTENT TO ISSUE FOA DE-FOA-0002804 - INDUSTRIAL EFFICIENCY AND DECARBONIZATION FOA

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Advanced Manufacturing Office, a Funding Opportunity Announcement (FOA) entitled "Industrial Efficiency and Decarbonization FOA".

The Biden Administration has laid out a bold agenda to address the climate crisis and build a clean and equitable energy economy that achieves carbon pollution free electricity by 2035, and puts the United States on a path to achieve net-zero emissions, economy-wide, by no later than 2050^[1] to the benefit of all Americans.

The Advanced Manufacturing Office (AMO) plays a leading role in decarbonizing and revitalizing the industrial sector. AMO drives the innovation and deployment that can lead to a more resilient, robust, and competitive domestic clean energy manufacturing sector that provides economic opportunities across diverse communities. As part of its industrial efficiency and decarbonization efforts, AMO supports applied research, development, and demonstration (RD&D) targeting the reduction of greenhouse gas (GHG) emissions from high emitting industrial sectors and through cross-sector technologies relevant across multiple industrial sectors. Significant decarbonization of the industrial sector is essential to achieving the overall goal of economy-wide decarbonization by 2050 and creating good paying jobs.

The RD&D activities anticipated to be funded under this FOA would support the government-wide approach to the climate crisis by driving the innovation that can lead to industrial decarbonization. Specifically, this anticipated FOA would fund high-impact, applied research and development and prototype or pilot-scale demonstration projects in order to expedite the adoption of transformational industrial technology necessary to reduce energy usage and GHG emissions from high GHG-emitting industrial subsectors. This includes cross-sector industrial decarbonization approaches, via opportunities in energy efficiency; industrial electrification; low carbon fuels, feedstocks and energy sources; and industrial carbon capture and utilization. This anticipated FOA and its associated projects are separate from any forthcoming efforts to be funded under provisions of the Bipartisan Infrastructure Law, including activities related to Industrial Emissions Demonstration Projects.

[1] Executive Order 14008, "Tackling the Climate Crisis at Home and Abroad," January 27, 2021.

This notice of intent (NOI) is issued so that interested parties are aware of EERE's intention to issue this FOA in the near term. All the information contained in this NOI is subject to change. EERE will not respond to questions concerning this NOI. Once the FOA has been released, EERE will provide an avenue for potential applicants to submit questions.

DOCUMENTS

- [DE-FOA-0002803 - Notice of Intent to Announce Industrial Efficiency and Decarbonization FOA](#) (Last Updated: 6/29/2022 12:52 PM ET)

CONTACT INFORMATION

- ExchangeHelp@hq.doe.gov
For questions related to the use of EERE Exchange.

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002762: BIPARTISAN INFRASTRUCTURE LAW (BIL) - REQUEST FOR INFORMATION (RFI) ENERGY POLICY ACT OF 2005 SECTION 243 AND 247 HYDROELECTRIC INCENTIVE PROGRAMS

The U.S. Department of Energy (DOE) Grid Deployment Office (GDO) is requesting information and feedback from stakeholders on issues related to the development of hydroelectric incentive programs authorized under sections 243 and 247 of the Energy Policy Act of 2005 (Pub. L. 109-58) (EPAct 2005), as amended by sections 40332 and 40333 of the Bipartisan Infrastructure Law. See 42 U.S.C. 15882 and 15883.^[1]

This is a Request for Information (RFI) only. GDO will not pay for information provided under this RFI and no project will be supported as a result of this RFI. This RFI is not accepting applications for financial assistance or financial incentives. GDO may or may not issue a Funding Opportunity Announcement (FOA) based on consideration of the input received from this RFI.

Responses to this RFI must be submitted electronically to WPTORFI@ee.doe.gov no later than **11:59pm (ET)** on **Tuesday, September 6**, with subject line "Organization/Name: Response to RFI on Hydroelectric Incentive Programs." Responses must be provided as attachments to an email. In lieu of or in addition to providing written responses to this RFI, respondents may request a 30-minute individual unrecorded discussion with a DOE staff member regarding the content of their written responses to the RFI questions. Requests for an individual discussion must be requested no later than **5:00pm (ET)** on **Friday, August 19, 2022**.

It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Responses must be provided as a Microsoft Word (.docx) or Adobe PDF (.pdf) attachment to the email, and no more than 15 pages in length, 12-point font, 1-inch margins. Only electronic responses will be accepted.

On Tuesday, August 9, 2022, from 1:30 pm to 5:00 pm ET, DOE will hold an informal webinar to discuss general feedback from interested parties regarding the content of this RFI. To register for this informational webinar, please sign up at:

https://bit.ly/RFI_HydroIncentiveProgram. Additional webinar information, participant instructions, and information about the capabilities available to webinar participants will be published on <https://www.energy.gov/eere/water/hydropower-incentives-funding-bipartisan-infrastructure-law>. Participants are responsible for ensuring their systems are compatible with the webinar software.

Please see the full RFI document in the **Documents** section below.

^[1] Section 243 (Hydroelectric Efficiency Improvement Incentives Program) and Section 247 (Maintaining and Enhancing Hydroelectricity Incentives Program) will be referred to as the Hydroelectric Incentive Programs.

DOCUMENTS

- [Request for Information \(RFI\) DE-FOA-0002762 Hydroelectric Incentives](#) (Last Updated: 6/29/2022 06:14 PM ET)

CONTACT INFORMATION

- WPTORFI@ee.doe.gov
For responses to this Request for Information.
- ExchangeHelp@hq.doe.gov
For questions related to the use of the EERE-Exchange website.

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002768: NOTICE OF INTENT TO ISSUE FUNDING OPPORTUNITY ANNOUNCEMENT NO. DE-FOA-0002779 - BIPARTISAN INFRASTRUCTURE LAW: ADDITIONAL CLEAN HYDROGEN PROGRAMS (SECTION 40314): REGIONAL CLEAN HYDROGEN HUBS

PLEASE NOTE THAT THIS NOI POSTING IS PURELY INFORMATIONAL.

THE ASSOCIATED FOA WILL BE PUBLISHED THROUGH THE OCED FUNDING OPPORTUNITY EXCHANGE PORTAL. (<https://oced-exchange.energy.gov>).

ALL CONCEPT PAPERS AND FULL APPLICATIONS IN RESPONSE TO THE FOA, WHEN PUBLISHED, WILL BE SUBMITTED THROUGH OCED EXCHANGE.

The Department of Energy (DOE) Office of Clean Energy Demonstrations (OCED) intends to issue a Funding Opportunity Announcement (FOA) entitled "Regional Clean Hydrogen Hubs" (H2Hubs) in collaboration with the Energy Efficiency and Renewable Energy's (EERE)

Hydrogen and Fuel Cell Technologies Office (HFTO) and the DOE Hydrogen Program, which includes multiple offices engaged in hydrogen related technologies across DOE. OCED anticipates issuing the FOA in the September/October 2022 timeframe, and the FOA will be funded by the Infrastructure Investment and Jobs Act (IIJA), also known as the Bipartisan Infrastructure Law (BIL). The specific provisions for regional clean hydrogen hubs are set forth in Section 40314 of the BIL, which amends Title VIII EPCAct 2005 by adding a new "Section 813 – Regional Clean Hydrogen Hubs." Section 813(a) defines the term "regional clean hydrogen hub" as "a network of clean hydrogen producers, potential clean hydrogen consumers, and connective infrastructure located in close proximity."

Investment in building out the hydrogen (H2) economy is a significant portion of the BIL funding at DOE. The BIL authorizes and appropriates \$8.0 billion over the five-year period encompassing fiscal years 2022 through 2026 to support the development of at least four H2Hubs that:

- Demonstrably aid achievement of the clean hydrogen production standard developed under section 822(a) of Energy Policy Act of 2005 (EPCAct 2005);
- Demonstrate the production, processing, delivery, storage, and end use of clean hydrogen; and
- Can be developed into a national clean hydrogen network to facilitate a clean hydrogen economy.

The FOA will incorporate a range of equity considerations including energy and environmental justice, labor and community engagement, consent-based siting, quality jobs, and inclusive workforce development to support the Biden Administration's decarbonization goals of a 50-52% reduction in greenhouse gas (GHG) emissions from 2005 levels by 2030, a carbon-pollution-free power sector by 2035, and a net-zero GHG emissions economy by 2050. The H2Hubs will be a key part of the National Clean Hydrogen Strategy and Roadmap, also required in the BIL, and will be instrumental in meeting national decarbonization goals, including the development and deployment of clean hydrogen technologies.

This notice of intent (NOI) is issued so that interested parties are aware of OCED's intention to issue a FOA in the near term. All of the information contained in this NOI is subject to change. OCED will not respond to questions concerning this NOI. Once the FOA has been released, OCED will provide an avenue for potential applicants to submit questions.

See attached NOI document for further details.

PLEASE NOTE THAT THIS NOI POSTING IS PURELY INFORMATIONAL.

THE ASSOCIATED FOA WILL BE PUBLISHED THROUGH THE OCED FUNDING OPPORTUNITY EXCHANGE PORTAL. (<https://oced-exchange.energy.gov>).

ALL CONCEPT PAPERS AND FULL APPLICATIONS IN RESPONSE TO THE FOA, WHEN PUBLISHED, WILL BE SUBMITTED THROUGH OCED EXCHANGE.

DOCUMENTS

- [DE-FOA-0002768_Notic...of_Intent_\(NOI\)_Bipartisan_Infrastructure_Law_Regional_Clean_Hydrogen_Hubs](#) (Last Updated: 6/2/2022 02:17 PM ET)

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002695: RFI: OFFSHORE WIND SOCIAL SCIENCE RESEARCH NEEDS

The purpose of this RFI is to solicit feedback from academia and researchers, state and local governments, non-profits, industry, environmental justice organizations, community-based organizations, and others on research needs relating to the effects of offshore wind development on communities, in the context of a clean and just energy transition. Respondents to this RFI may respond to one or more of the topics, or any number of the questions outlined in the RFI Document.

Responses to this RFI must be submitted electronically to weto_rfi2022@ee.doe.gov no later than 5:00 pm (ET) on **Friday, March 11, 2022**. Responses must be provided as attachments to an email.

This is a Request for Information only. EERE will not pay for information provided under this RFI and no project will be supported as a result of this RFI. This RFI is not accepting applications for financial assistance or financial incentives.

DOCUMENTS

- [WETO_Offshore_Wind_Social_Science_RFI_FEBRUARY_8_Final](#) (Last Updated: 2/9/2022 02:39 PM ET)

CONTACT INFORMATION

- weto_rfi2022@ee.doe.gov
Responses to this RFI must be submitted electronically to this inbox. DO NOT submit responses via the EERE Exchange Website.
- EERE-ExchangeSupport@hq.doe.gov
Contact information for technical issues related to the EERE Exchange Website

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002682: DE-FOA-0002682: REQUEST FOR INFORMATION ON COMMUNITY-SCALE RESOURCE AND ENERGY RECOVERY FROM WASTE SOLUTIONS

Please see the full RFI document in the **Documents** section below.

The purpose of this RFI is to solicit feedback from industry, academia, research laboratories, government agencies, and other stakeholders on issues related to Community Programs for Organic Waste.

EERE is seeking to understand which of these economic, environmental, and social impacts are of highest priority to communities. EERE is also seeking additional information about how to make this program more effective and identify additional technical assistance needs that are most in demand by rural communities.

Note that for the purposes of this RFI, BETO is particularly interested in the following organic waste streams:

- dairy manure
- swine manure
- food waste
- municipal wastewater residuals
- fats/oils/greases

This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

Responses to this RFI must be submitted electronically to CommunityWasteRFI@ee.doe.gov no later than 5:00pm (ET) on March 11, 2022. Responses must be provided as attachments to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Responses must be provided as a Microsoft Word (.docx) attachment to the email, and no more than 6 pages in length, 12 point font, 1 inch margins. Only electronic responses will be accepted.

In addition to providing written responses to this RFI, respondents may request a 30-minute individual discussion with a BETO staff member regarding the content of their written responses to the RFI questions. Similarly, if a respondent is unable to submit written responses, or would otherwise prefer to do so, he/she may request a 30-minute individual discussion with a BETO staff member to verbally provide responses to the RFI questions. If a respondent wishes to participate in an individual discussion for either of these reasons, please submit your request to CommunityWasteRFI@ee.doe.gov and you will be contacted by a BETO staff member to schedule a time for the discussion. Requests for an individual discussion must be requested no later than 5:00pm (ET) on March 11, 2022.

Please see the full RFI document in the **Documents** section below.

DOCUMENTS

- [DE-FOA-0002682: Request for Information on Community-scale Resource and Energy Recovery from Waste Solutions](#) (Last Updated: 1/31/2022 10:44 PM ET)

CONTACT INFORMATION

- CommunityWasteRFI@ee.doe.gov
Responses to this Request for Information.
- EERE-ExchangeSupport@hq.doe.gov
Contact information for technical issues related to the EERE Exchange Website.

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

DE-FOA-0002657: DE-FOA-0002657: REQUEST FOR INFORMATION ON BIOMASS CONVERSION RESEARCH, DEVELOPMENT, AND ANALYSIS PROGRAMS

Please see the full RFI document in the **Documents** section below.

The purpose of this RFI is to solicit feedback from industry, academia, research laboratories, government agencies, and other stakeholders on issues related to Microbial Cell and Catalyst Robustness, and State-of Technology Analyses. This information is necessary for DOE's Bioenergy Technologies Office (BETO) to plan appropriate Conversion Research and Development activities and to ensure that techno-economic and life-cycle analyses remain valuable for the research and industrial community.

EERE is specifically interested in information about:

Category 1: Improving Robustness of Microbial Cells

Category 2: Improving Robustness of Catalytic Processes

Category 3: State of Technology (SOT) Analyses in the BETO Research Portfolio

This is solely a request for information and not a Funding Opportunity Announcement (FOA). EERE is not accepting applications.

Responses to this RFI must be submitted electronically to FY22ConversionRFI@ee.doe.gov no later than 5:00pm (ET) on March 11, 2022. Responses must be provided as attachments to an email. It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Responses must be provided as a Microsoft Word (.docx) attachment to the email, and no more than 6 pages in length, 12 point font, 1 inch margins. Only electronic responses will be accepted.

Please see the full RFI document in the **Documents** section below.

DOCUMENTS

- [DE-FOA-0002657: Request for Information on Biomass Conversion Research, Development, and Analysis Programs](#) (Last Updated: 2/1/2022 09:21 AM ET)

CONTACT INFORMATION

- FY22ConversionRFI@ee.doe.gov
Responses to this Request for Information.
- EERE-ExchangeSupport@hq.doe.gov
Contact information for technical issues related to the EERE Exchange Website.

FREQUENTLY ASKED QUESTIONS (FAQS)

Responses to questions are posted to the [FAQs webpage](#).

SUBMISSION DEADLINES

- Full Application Submission Deadline: TBD

[Contacts](#) | [Web Site Policies](#) | [U.S. Department of Energy](#) | [USA.gov](#) | [DOE Responsible Disclosure](#)