

## Funding Opportunities

### December 12, 2022

*The opportunities listed here may be limited submissions. Please contact the **Research Office** to determine if there is an active or upcoming internal process for any opportunity of interest.*

*Department of Energy, Office of Science*

#### **Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Program, FY 2023 Phase 1 Release 2**

**LOI: January 3, 2023 | Full: February 21, 2023**

**Summary:** This FOA describes two distinct funding opportunities for DOE: the Small Business Innovation Research (SBIR) and the Small Business Technology Transfer (STTR) programs for Fiscal Year (FY) 2023. Both Phase I and Fast-Track grant opportunities are included in this FY 2023 Phase I Release 2 competition.

- A. **Phase I:** Phase I grants resulting from this competition will be made during FY 2023 to small businesses with maximum award sizes of \$200,000 or \$250,000. Refer to the individual topic for its respective maximum award size (a proposal submitted that exceeds the maximum award size for the respective topic will be declined without review). The period of performance will depend on the scope of the effort but will not exceed 12 months. Please note that the Phase II grant application will be due approximately 9.5 months after the grant start date. This will be the only opportunity to submit a Phase II application for a Phase I award made under this FOA. Grantees that select a Phase I period of performance of 9 months or less will be able to complete their Phase I project prior to submission of their Phase II grant application. Grantees that select a Phase I longer than 9 months will be able to continue research and development (R&D) after their Phase II application is submitted but will not be able to utilize these results in the preparation of their Phase II application. Phase I is to evaluate, insofar as possible, the scientific or technical merit and feasibility of ideas that appear to have commercial potential and/or substantial application in support of DOE mission research. The grant application should concentrate on research that will contribute to proving scientific or technical feasibility of the approach or concept. Success in a DOE Phase I is a prerequisite to further DOE support in Phase II. Only awardees issued Phase I grants under this FOA are eligible to submit a Phase II application under the corresponding FY 2024 Phase II FOA, i.e., FY 2024 Phase II Release 2. Approximately 40% of Phase I awardees submitting a Phase II application will receive a Phase II award.
- B. **Fast-Track (Combined Phase I and Phase II):** Fast-Track grants are opportunities to expedite the decision and award of SBIR and STTR Phase I and II funding for scientifically meritorious applications that have a high potential for commercialization. Fast-Track incorporates a submission and review process in which both Phase I and Phase II grant applications are combined into one application and submitted and reviewed together. The Project Narrative portion of a Fast-Track application must specify clear, measurable goals and milestones that should be achieved prior to initiating Phase II work. If these milestones are not met in Phase I, authorization to proceed to Phase II may not be provided and the grant will discontinue following Phase I efforts. The work proposed for Fast-Track, assuming that it proceeds, should be suitable in nature for subsequent progress to non-SBIR/STTR funding in Phase III. For a specific R&D effort, applicants may submit either a Phase I application or a Fast-Track application, but not both. If both Phase I and Fast-Track applications are submitted, the application with the most recent submission date and time to Grants.gov will be evaluated. An individual application may be made only to either the traditional Phase I or to the Fast-Track. A project selected for Fast-Track funding which fails to meet its objectives may not later apply for Phase II funding. Fast-Track grant awards resulting from this competition will be made during FY 2023 to small businesses with maximum award sizes of \$1,300,000 or \$1,850,000 depending on the topic.

**Additional Information:** [DE-FOA-0002903](#)

*Department of Energy, Wind Energy Technologies Office*

#### **BIL FOA to Address Key Deployment Challenges for Offshore, Land-Based, and Distributed Wind**

**Concept Paper: January 20, 2023 | Full: March 10, 2023**

**Summary:** The activities to be funded under this FOA support BIL section 41007(b)(1) 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. The FOA consists of four Topic Areas as summarized below:

- **High-Voltage Direct Current (HVDC) Standards and Benchmark System Development for Offshore Wind:** Understand gaps in U.S. HVDC standards and

begin addressing by developing a benchmark system and proposing and revising standards, especially to incorporate transmission for offshore wind.

- **Multi-terminal HVDC Controls and Functional Requirements:** Develop HVDC controls and identify functional requirements to address multi-terminal HVDC deployment barriers.
- **HVDC Curriculum Development for Education and Workforce Training:** Develop HVDC curriculum for education and workforce training.
- **Advancing Deployment of Distributed (ADD) Wind:** Develop innovative zoning and permitting processes to make distributed wind (DW) more accessible to community members in localities where DW can be deployed cost-effectively and equitably to support community-based energy transition.
- **Community Impacts of Offshore Wind Development:** Social science research that characterizes the impacts of offshore wind development on affected communities through time, with particular interest in interactions between offshore wind and local economies.
- **Capacity Building for Community Participation in Offshore Wind:** Connect communities with the full offshore wind development process through community-driven, collaborative capacity building.
- **Bat Deterrent Technology Development:** Advance bat deterrent technologies through behavioral research, field testing, and hardware development.

**Estimated Funding/Number of Awards:** DOE anticipates making approximately 18 – 35 awards under this FOA. Individual awards may vary between \$500k and \$8M.

**Additional Information:** [DE-FOA-0002828](#)

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*Department of Energy, Office of Manufacturing and Energy Supply Chains (MESC) / Office of State and Community Energy Programs (SCEP)*

### **(NOI/RFI) Establishment of Industrial Assessment Centers (IACs) at Trade Schools, Community Colleges, and Union Training Programs and Establishment of Building Training and Assessment Centers (BTACs)**

**Summary:** The BIL appropriates \$550 million for the five (5) year period encompassing Fiscal Years (FYs) 2022 through 2026 for the IAC Program. Of these funds, \$150 million are appropriated to expand the IAC Program itself, including through (i) the establishment of up to five regional Centers of Excellence at existing IACs, (ii) the creation of a Clearinghouse of expertise, tools, and resources to support IACs and assist SMMs, (iii) increased coordination with and outreach to governmental and non-governmental entities, (iv) establishment of IACs at community colleges, trade schools, and union training programs, and (v) federal support for related internship and apprenticeship programs. The BIL also appropriates \$400 million over FYs 2022 through 2026 for the establishment of a grant program to provide 50 percent cost-share grants of no more than \$300,000 each to SMMs to implement recommendations made by IACs, Combined Heat and Power Technical Assistance Programs (CHP TAPS) in conjunction with IACs, and other assessments deemed equivalent by the Secretary of Energy.

DOE is compiling a Teaming Partner List to facilitate teaming among multiple stakeholders across academia, industry, National Laboratories, IACs, Manufacturing USA Institutes, MEPs, community-based organizations (CBOs), labor unions, and all technical disciplines. 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. 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 (including interest in Topic 1, 2, and/or 3 above). Interested parties should email the information to [IACProgram@doe.gov](mailto:IACProgram@doe.gov) with the subject line “Teaming Partner Information.”

**Additional Information:** [DE-FOA-0002887](#)

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*Department of Energy, Office of Manufacturing and Energy Supply Chains (MESC)*

### **Industrial Assessment Centers Program – Centers of Excellence**

**LOI (optional): January 20, 2023 | Full: February 17, 2023**

**Summary:** The Office of Manufacturing and Energy Supply Chains (MESC) 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 region of the Center of Excellence. 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). This funding opportunity is restricted to institutions of higher education that are currently serving as IACs (either as the primary Center or a designated satellite) pursuant to selection under DOE FOA Number: DE-FOA-0002452, issued on March 8, 2021.

This FOA will support up to five regional Centers of Excellence that will serve as regional hubs for the IAC Program and will coordinate with and advise IACs located in their regions. These regional Centers of Excellence will advance DOE’s strategic goals of (a) enhancing performance, increasing energy efficiency, and reducing industrial emission sat small- and medium-sized manufacturing facilities; (b) implementing the expanded IAC Program in a manner that leverages resources from across the Federal Government, as well as from State, Tribal, local, private sector and

nongovernmental entities, to bolster the American manufacturing base; and (c) equitably developing the clean energy workforce of the future.

**Estimated Funding/Number of Awards:** Individual awards are anticipated to be for \$2,500,000 to \$3,750,000 each over a five-year performance period. Approximately three (3) to five (5) awards are expected.

**Additional Information:** [DE-FOA-0002866](#)