Technology Commercialization Fund

Office of Technology Transitions

Notice of Intent No. DE-LC-0000110

Notice of Intent to Issue
Lab Call No. DE-LC-000L110

Notice of Intent to Issue FY24 Technology Commercialization Fund (TCF) Base Annual Appropriations Core Laboratory Infrastructure for Market Readiness (CLIMR) 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. OTT anticipates releasing the Fiscal Year (FY) 2024 TCF Base Annual Appropriations solicitation in or around November 2023. OTT will post the solicitation to Exchange and distribute the TCF solicitation announcement to the Technology Transfer Offices at each of the eligible DOE National Labs and Facilities. 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.

This solicitation offers an opportunity for private industry to partner with DOE's National Labs and Facilities to advance Lab and Facility energy-related technologies toward commercialization and to reduce the barriers toward commercialization. TCF projects, in the six topic areas below, may require cost-share from non-federal sources. These sources may include industry, state and local governments, or entities they have created. In FY24, DOE expects to select TCF projects from DOE National Labs and Facilities in the following six topics:

Topic 1: Market Needs Assessment. This topic seeks proposals to build, augment, and coordinate market and commercialization analytical capabilities across the National Lab complex to ensure maximum success in pursuing DOE's mission as it relates to bringing new technologies to market. Proposals should focus on approaches to develop, maintain, and leverage a robust analytical capability that *both* harmonizes existing market analysis expertise across the DOE complex *and* supports capacity-building across the Lab complex. This capability would support increased and faster commercialization of technologies out of DOE Labs as well as enable successful outcomes for current DOE priorities.

Topic 2: Curation of Intellectual Property (IP). This topic will seek bold ideas and significant improvements in how Labs bring their IP to market. Ideas could include enhanced information sharing, IP marketing, or other efforts to curate Lab IP but should generally focus on ensuring Lab-created IP supports solutions to timely energy technology problems. This topic seeks to innovate how Labs connect Lab-created IP with private sector partners. It is highly encouraged for proposals to incorporate findings of the market needs assessment described in Topic 1.

Topic 3: Matchmaking. This topic will seek proposals from Labs to create or expand business incubation programming that will result in the creation of teams that will move

Lab-developed technology to market. Programming could include recruitment of talent outside of the Lab, matchmaking programs to connect entrepreneurs with Lab staff and resources, and additional support that will yield commercialization of promising, Lab-developed technologies.

Topic 4: Technology Specific Partnership Projects. This topic will seek proposals from Labs to advance the commercialization of individual energy-related technologies. Projects funded under this topic will need to incorporate Lab-developed technology and be at a stage that will generate private sector interest. Each technology office participating in the lab call (see list below) is including areas of interest for applications.

Topic 5: Enhancing Laboratory Processes and Cybersecurity. This topic will seek proposals from Labs to enhance internal Lab processes to move Lab-developed, promising energy-related technologies toward commercial purposes, as well as to enable faster and simpler commercialization processes. Process improvements could focus on improvements to internal contracting mechanisms, licensing of IP, and other ideas to enhance processes and catalyze synergies.

Topic 6: Increasing Partnerships with External Commercialization Parties. This topic seeks proposals from Labs to make it easier for the private sector to work with National Labs. Proposals could include streamlining the partnering process as well as efforts to standardize the partnering process across multiple Labs. Goals of this topic area are to decrease barriers to working with the Labs, increase the number and diversity of private sector partners as well as to accelerate and deepen connectivity with external commercialization parties.

This is a Notice of Intent (NOI) only. DOE may issue a solicitation as described here, later than expected, that is significantly different than described here, or may not issue a solicitation at all. The anticipated solicitation will include information about how to apply. DOE will not respond to questions about the solicitation except from eligible entities. Other interested parties should contact DOE National Labs and Facilities for information about partnering with them on a TCF proposal.

Participating DOE Offices:

- Office of Cybersecurity, Energy Security, and Emergency Response (CESER)
- Office of Electricity (OE)
- Office of Fossil Energy Carbon Management (FECM)
- Office of Nuclear Energy (NE)
- Office of Energy Efficiency and Renewable Energy (EERE)
    - Advanced Materials and Manufacturing Technologies Office (AMMTO)
    - Bioenergy Technologies Office (BETO)
    - Buildings Technologies Office (BTO)
    - Geothermal Technologies Office (GTO)
    - Hydrogen Fuel Cell Technologies Office (HFTO)
    - Industrial Efficiency and Decarbonization Office (IEDO)
    - Solar Energy Technologies Office (SETO)
    - Vehicle Technologies Office (VTO)
    - Water Power Technologies Office (WPTO)
    - Wind Energy Technologies Office (WETO)

Eligible applicants to the TCF are DOE's National Labs and Facilities:

- Ames Laboratory
- Argonne National Laboratory
- Brookhaven National Laboratory
- Fermi National Accelerator Laboratory
- Idaho National Laboratory
- Kansas City National Security Campus
- Lawrence Livermore National Laboratory
- Lawrence Berkeley National Laboratory
- Los Alamos National Laboratory
- National Energy Technology Laboratory
- National Renewable Energy Laboratory
- Nevada National Security Site
- Oak Ridge National Laboratory
- Pacific Northwest National Laboratory
- Pantex Plant
- Princeton Plasma Physics Laboratory
- Sandia National Laboratories
- Savannah River National Laboratory
- SLAC National Accelerator Laboratory
- Thomas Jefferson National Accelerator Facility
- Y-12 National Security Complex