



Sbir funding energy storage

How does SBIR work for small businesses?

Small businesses begin to commercialize the results of their R&D activities, albeit without direct SBIR funding. The STTR program is similar to the SBIR in most regards, except that it requires small businesses to partner with a nonprofit research institution based in the United States.

How are SBIR projects funded?

SBIR projects are funded in a phased approach. Each year, EPA issues a Phase I solicitation for technology proposals addressing specific topics. Proposals are evaluated on their technical merit, potential for commercialization and impact/relevance in the given topic area.

What is Small Business Innovation Research (SBIR) & STTR?

The Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs encourage U.S. small businesses to engage in high-risk, innovative research and technology development with the potential for future commercialization.

How do SBIR grants work?

Businesses who are awarded SBIR grants typically progress through three phases of R&D: Based on their Phase I performance, participating organizations may receive additional funding to continue their research. Small businesses begin to commercialize the results of their R&D activities, albeit without direct SBIR funding.

How much money does the federal government spend on SBIR?

The federal government allocates \$2.2 billion annually to fund the SBIR program and its sister program, the Small Business Technology Transfer program.

Who administers the Energy Innovation Program (SBIR)?

The programs are administered by the U.S. Department of Energy's (DOE) Office of Science and award projects in technology areas across the entire department. They are part of the larger SBIR program across the federal government, which is administered by the Small Business Administration.

How We Make Funding Decisions; Proposal & Award Policies & Procedures Guide (PAPPG) Additional Resources. ... The broader impact/commercial potential of this Small Business Innovation Research (SBIR) project is the development and widespread adaptation of next generation energy storage devices. With high energy density advanced materials, these ...

On Dec. 14 DOE released its FY 2021 Phase I Release 2 Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) FOA. ... Hydrogen and Fuel Cell Topics Included in SBIR/STTR Funding Opportunity December 15, 2020 ... Innovative Approaches to Minimize Boil-off Losses



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from Liquid Hydrogen Storage Systems; ...

The Energy Innovation Hub projects supported by this funding opportunity will accelerate discovery and scientific exploration of new battery chemistries, materials, and architectures for transformational energy storage technologies to be deployed in transportation and on the nation's electricity grid.

Small Business Innovation Research (SBIR) ... Topic 9: Advanced Power Conversion System for Grid-Tied Energy Storage & Energy Storage Deployment. Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) are U.S. Government programs in which federal agencies with large research and development (R& D) budgets set ...

The U.S. Department of Energy (DOE) last week announced its list of selectees for the second release of FY 2024 Phase I Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) awards. With these selections, the SBIR program is providing over \$52 million for more than 200 small businesses across the country to facilitate ...

EarthBridge Energy and New England Research are awarded a U.S. Department of Energy - Small Business Innovation Research grant to support our GeoBattery(TM) energy storage technology. ... (NER) and EarthBridge Energy will receive funding as part of 259 Department of Energy grants totaling \$53 million to 210 small businesses in 38 states. The ...

Small businesses that apply for SBIR/STTR funding are expected to address the commercialization challenges of their technology and ensure that it is a profitable business ...

Learn about the DOE's Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR), known as "America's Seed Fund." ... Topics for SBIR/STTR under the FY24 Phase I Release 2 release cover a range of offices and energy technologies. The Funding Opportunity ... By clicking "Accept," you consent to our use of cookies and ...

In this Small Business Innovation Research (SBIR) Funding Opportunity Announcement (FOA), ARPA-E seeks to fund the development of a new generation of ultra-high energy density, low-cost battery technologies capable of providing sufficient performance and cost to enable the widespread deployment of all-electric, long-range vehicles.

Lead Performer: Materials Modification Inc., Fairfax, VA DOE Total Funding: \$198,473 Project Term: June 29, 2020 - March 28, 2021 Funding Type: Small Business Innovation Research (SBIR) Project Project Objective. The electricity consumption of residential and commercial buildings accounts for about 40% of the nation's total energy demand.

The Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) program encourages U.S.-based small businesses to engage in high-risk, innovative research and technology



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development with the potential for future commercialization.

MAAT Energy Company, Cambridge, MA: Novel Plasma Catalysis Reformer of CO₂ for Power to Jet Fuel and Energy Storage. This proposal works on an efficient atmospheric microwave plasma process, using renewable electricity, for re-use of CO₂ to make jet fuel, and serves the need for low-carbon, high-energy density liquid fuels to be used in aviation.

With solar and wind renewables on par with traditional carbon-based power generation costs, affordable flywheel energy storage is vital to store and dispense intermittent renewable power, ...

The Department of Energy is financing 50 projects led by small businesses across 17 states with \$61 million in grants to support clean energy generation and storage research and development. The ...

Energy storage systems that can be used to mitigate variability and uncertainties of wind energy and ensure a stable and reliable energy supply. Overall, energy storage for wind is a key component of a reliable and sustainable energy system that can harness the abundant energy resource of wind while addressing its inherent intermittency.

The U.S. Department of Energy (DOE) announced new funding to small businesses for innovative clean energy technologies as part of its Small Business Innovation Research and Small Business Technology Transfer (SBIR/STTR) programs. Eligible small businesses can apply to receive up to \$200,000 to test their innovative research ideas over 12 ...

The Water Power Technologies Office (WPTO), as part of the Energy Department's Office of Energy Efficiency and Renewable Energy (EERE), provides annual funding to competitively selected small businesses whose missions align with the office's priorities of advancing marine energy and next generation hydropower and pumped storage systems for ...

This week, Secretary of Energy Jennifer M. Granholm announced \$54 million in funding for Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) research and development projects. As a part of this announcement, the Building Technologies Office (BTO) will invest \$3.6 million in 21 projects across 14 states.

On July 18, 2024, the U.S. Department of Energy (DOE) announced awards totaling \$52 million for a broad range of small businesses in 39 states through the DOE Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) awards. The SBIR and STTR awards strive to transform DOE-supported science and technology breakthroughs into viable ...

The U.S. Department of Energy's (DOE) announced a \$65 million funding opportunity for the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs.



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UPDATED January 22, 2024: The Small Business Innovation Research and Small Business Technology Transfer programs funding opportunity opened on January 18, 2024. Letters of intent are due on February 2. (See all deadlines related to the funding opportunity.). The Small Business Innovation Research (SBIR) program was founded in 1982 in recognition of the fact ...

The technology evolved thanks to SBIR grants from the Department of Energy. The grants enabled RME to complete a \$475,000 seed capital round and led to the completion of a subsequent \$2.5 million Convertible Notes round led by a ...

DOE Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) awards strive to transform DOE-supported science and technology breakthroughs. Funded through the DOE's SBIR and STTR programs, today's selections are primarily for Phase I research and development, with a limited number of Fast-Track ...

The NSF funded SBIR Phase-1 grant directly accelerated KCS to produce and market a product that would meet the national/global need for energy storage left open by inadequate chemical ...

U.S. DEPARTMENT OF ENERGY OFFICE OF ENERGY EFFICIENCY & RENEWABLE ENERGY | WATER POWER TECHNOLOGIES OFFICE 3. Agenda o SBIR Background & Timeline o Applying for SBIR/STTR Support o FY24 WPTO Phase I SBIR/STTR topics overview. Topic # Topic Title Topic Type 18 a Community-Centric Hydropower ...

Objective. The purpose of the Batteries Focused Open Topic is to bring potentially valuable small business innovations to the Army and create an opportunity to expand the relevance of the Army SBIR program to firms who do not normally compete for SBIR awards. Description. This open topic accepts both Phase I and Direct to Phase II submissions. Phase I ...

The Small Business Innovation Research (SBIR) and Small Business ... Technologies to Integrate Solar Generation with Energy Storage Systems and/or Electric ... (TAB) Program. It provides additional funding specifically for commercialization activities in addition to the SBIR/STTR research funding. Examples of allowable commercialization ...

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