

FY 2012 TOPICS

PHASE I (RELEASE 2)

OFFICE OF DEFENSE NUCLEAR NONPROLIFERATION

1. Advanced Separations of Lanthanides
2. Global Safeguards
3. Radiation Detection
4. Radiological Source Replacement
5. Remote Sensing
6. Technology to Facilitate Monitoring for Nuclear Explosions
7. Tools, Techniques, Infrastructure and Demonstrations

OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY

8. High Voltage DC-Link Power Conversion System for Energy Storage Applications

OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY

9. Selected Energy Efficiency Technologies
10. Selected Renewable Energy Technologies

OFFICE OF ENVIRONMENTAL MANAGEMENT

11. Spent Nuclear Fuel Storage
12. Deactivation and Decommissioning
13. Radioactive Tank Waste Treatment

OFFICE OF FOSSIL ENERGY

14. Crosscutting Fossil Energy Research
15. Coal Gasification Technologies
16. Technologies for Clean Fuels and Hydrogen from Coal
17. Climate Control Technologies for Fossil Energy Applications
18. Advanced Turbine Technology for IGCC Power Plants
19. Fuel Cell Technologies for Central Power Generation with Coal
20. Oil and Gas Technologies

OFFICE OF NUCLEAR ENERGY

21. Advanced Technologies for Nuclear Energy

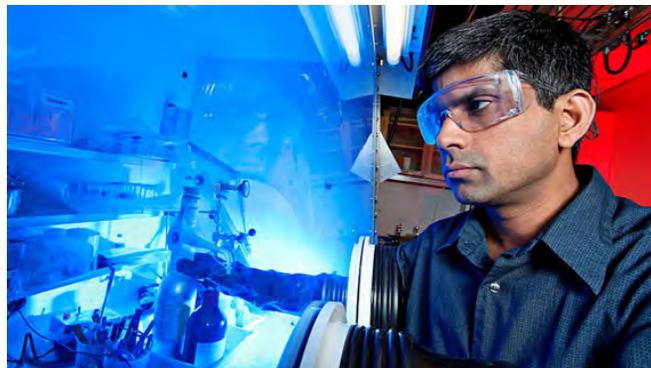
FY 2013 TOPICS

PHASE I (RELEASE 1)

The following DOE SBIR/STTR program offices are scheduled to publish their topics on August 1, 2012.

1. OFFICE OF ADVANCED SCIENTIFIC COMPUTING RESEARCH
2. OFFICE OF BASIC ENERGY SCIENCES
3. OFFICE OF BIOLOGICAL AND ENVIRONMENTAL RESEARCH
4. OFFICE OF FUSION ENERGY SCIENCES
5. OFFICE OF HIGH ENERGY PHYSICS
6. OFFICE OF NUCLEAR PHYSICS

To be notified by email of future DOE SBIR/STTR solicitations, release of technical topics, and other important updates, please subscribe to our mailing list by sending an email to sbir-sttr@science.doe.gov with "Mailing List" in the Subject .



U.S. DEPARTMENT OF ENERGY

SBIR

Small Business Innovation Research

&

STTR

Small Business Technology Transfer

PROGRAMS

A 1982 study found that small businesses had 2.5 times as many innovations per employee as large businesses, while large businesses were nearly three times as likely to receive government assistance. As a result, the SBIR program was established by an act of Congress to provide funding opportunity to stimulate small business, technological innovation to meet Federal agency Research and Development (R&D) needs. After more than a decade of Small Business success with SBIR, the STTR program was enacted to encourage and support small business access and collaboration with non-profit research institutions, including National laboratories.

FREQUENTLY ASKED QUESTIONS:

What are SBIR and STTR?

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 budgets allocate a small fraction of their funding for competitions among small businesses only. Small businesses that win awards in these two programs keep the rights to any technology developed and are encouraged to commercialize the technology.

How Much Money is Allocated?

Each year, the participating SBIR-STTR Federal agencies allocate 2.5% for SBIR and 0.3% of their R&D budgets. In Fiscal Year 2011, these set-asides corresponded to \$146 Million and \$18 Million respectively.

How Do These Programs Work at DOE?

Each August and November, DOE issues a Funding Opportunity Announcement (FOA) inviting small businesses to apply for its SBIR/STTR Phase I grants. These FOAs describe the Technical Topics in such R&D areas as: Energy Production (Fossil, Nuclear, Renewable, and Fusion Energy), Energy Use (in Buildings, Vehicles, and Industries), Fundamental Energy Sciences (Materials, Life, Environmental, and Computational Sciences, and Nuclear and High Energy Physics), Environmental Management, and Nuclear Nonproliferation. Grant applications submitted by small businesses must respond to a specific topic and subtopic during an open solicitation.

SBIR and STTR Have Three Distinct Phases

What are these Phases . . . and How do they Work?

Phase I:

Explores the FEASIBILITY of innovative concepts with awards up to \$150,000 and 9 months. At DOE, only Phase I awardees may compete for Phase II.

Phase II:

This is the principal R&D effort where the innovative concept is PROTOTYPED with awards up to \$1,000,000 and two years.

Phase III:

Phase III is funding that is used by the small businesses to COMMERCIALIZE their R&D. Under Phase III, as with other Federal agencies, DOE may issue follow-on awards (these cannot utilize SBIR/STTR allocations) for products or processes that meet the mission needs of its funding programs.

What are the Chances of Winning at an SBIR/STTR Award at DOE?

Application-to-Award Ratios are about 10:1 for Phase I and about 2:1 for Phase II.

About 33% of its Phase I awards are made each year to first-time awardees.

How to Get Started . . . First, obtain the SBIR/STTR Funding Opportunity Announcement (FOA)

The current SBIR/STTR FOA lists the research topics under which DOE is seeking Phase I applications, and also contains detailed information on the eligibility requirements of the SBIR and STTR programs and how to submit an application. DOE issues two combined SBIR and STTR FOAs each year.

Upcoming Funding Opportunity Announcement:

FY 2012 (Release 2) SBIR/STTR Funding Opportunity Announcement (FOA) Opens: November 28, 2011 and closes January 31, 2012. Proposals are accepted through the last open day until 11:59 p.m. EDT.

DOE SBIR/STTR grant proposals are only accepted electronically via www.Grants.gov.

If you would like to be notified by email of future DOE SBIR/STTR FOAs and other important updates, please subscribe to our mailing list by sending an email to sbir-sttr@science.doe.gov with "Mailing List" in the Subject line.

Second, resolve your SBIR/STTR questions

Please use the following contact information to resolve your questions:

SBIR/STTR Program: (301) 903-1414

Proposal & Application Process: (301) 903-5707

Research Topics: By email, please contact the Topic Author during the open Funding Opportunity Announcement period. Respective Topic Author contact information can be found at the DOE SBIR/STTR web site by clicking on the FY 2012 Release 2 Topics link at <http://science.energy.gov/sbir/>.

DOE Technical and Commercialization Assistance Portal: <http://doecapreg.foresightst.com>.

You may also submit your inquiries via email by sending them to SBIR-STTR@science.doe.gov.

