EPA SBIR Solicitation Topics

The next EPA SBIR solicitation is anticipated to open in June 2023. Topic areas change from year to year. For reference, the 2022-2023 topics were:

Clean and Safe Water

- Decentralized wastewater treatment (septic system) technologies for intentional non-potable reuse
- Technologies to process, sort and identify microplastics
- In-stream aquatic trash capture technologies
- Sensors to detect high priority contaminants of emerging concern (including PFAS)

Air Quality & Climate

- Ambient air monitoring technology for air toxics
- Continuous Emission Monitoring System for metal HAPs
- Air monitoring technology for methane emissions from fugitive sources
- Technologies that reduce exposure to radon in buildings
- Technologies for improved recovery of refrigerant from air conditioning (AC) and refrigeration equipment

Homeland Security

- Innovative technology solutions that build community resilience to disasters
- Miniaturized oil spill droplet size sensor for emergency response underwater vehicles

Circular Economy/Sustainable Materials

- Innovative technologies that help consumers prevent food waste in the acquisition, preparation, and storage of food
- Innovative technologies or materials that will improve the U.S. recycling system
- Innovative reduction, reuse, and recycling solutions to advance plastic circularity

Safer Chemicals

- PCB-free color
- Rubber anti-degradant technologies for tires and other rubber products that are lower concern for human health and the environment
- Innovative enhanced efficiency fertilizers

Risk Assessment

- Software tools and machine-learning applications for systematic review in science assessment for chemical evaluation

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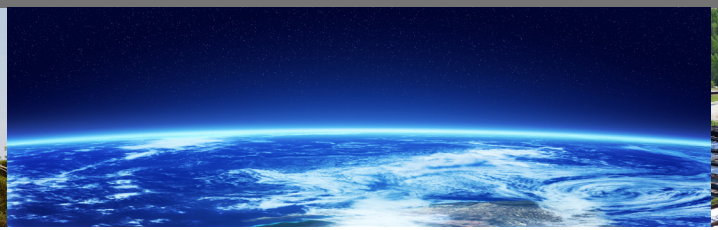

EPA's SBIR Program

The U.S. Environmental Protection Agency's (EPA) mission is to protect human health and the environment. EPA's SBIR Program supports small businesses (500 or fewer employees) to develop and commercialize novel environmental technologies that support this mission.

PHASE I

Phase I awards are $100,000 for six months and for "proof of concept" of the technology.

PHASE II

Phase II awards are for up to $400,000 for two years to further develop and commercialize the technology. Phase II companies that obtain qualifying third party investments are eligible for a commercialization option of $100,000.

For information on the EPA SBIR Program, visit: www.epa.gov/sbir

For questions, contact:
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For information on the federal-wide SBIR Program, visit: www.SBIR.gov.

Join the listserv for notices about upcoming solicitations and other EPA SBIR news at www.epa.gov/sbir/sbir-listserv.

SBIR Success Stories

Providence Photonics

Providence Photonics developed the Video Imaging Spectral Radiometer (VISR) to remotely measure flare combustion efficiency in real time. This optical gas imaging technology allows operators to minimize emissions from flaring, which also reduces the cost of complying with regulations. This technology has been deployed to hundreds of flares on onshore and offshore facilities across the world.

Industrial Microbes

Industrial Microbes engineered a microbe that converts waste gases such as CO_2 and methane into useful materials such as synthetic fibers and biodegradable plastics. Compared to current methods, this process emits six times less CO_2. Industrial Microbes secured private investment and were named one of Biofuel Digest's Next 50 Companies to Disrupt the World.

Lucid Design Group Inc.

Lucid Design Group Inc. developed a software that drives energy conservation and savings in commercial buildings. Real-time electricity usage data is used to change the ambient color of LED lights to show building occupants how much energy they are using to help reduce energy usage and allow businesses to meet sustainability goals. Lucid's software has been used by more than 500 businesses in over 15,000 buildings. Lucid was acquired by Acuity Brands, Inc. to enhance their base of networked sensors for lighting and building automation controls.

EPA SBIR Program

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