

## EPA SBIR Solicitation Topics

The next EPA SBIR solicitation is anticipated to open in June 2022. Topic areas change from year to year. For reference, the 2021-2022 topic areas were:

### Clean and Safe Water

- Modular decentralized non-potable water reuse for urban applications
- Low-input decentralized non-potable water reuse for irrigation applications
- Detection of lead service lines
- Retrofit technologies to improve operation of stormwater management infrastructure
- Technologies to process environmental samples of microplastics
- Technologies to remove microplastics from wastewater or stormwater

### Air Quality

- Air monitoring technology for air toxics
- Low-cost sensors for air toxics and odors
- Continuous emission monitoring system for metal HAPs
- Integrated sampling, continuous monitoring for metal HAP emissions
- Technologies to reduce exposure to radon in buildings
- Air monitoring technology for methane from oil and gas storage tanks

### Homeland Security

- Air treatment methods to reduce risks from transmission of viruses and bacteria in closed or semi-enclosed environments

### Sustainable Materials Management

- Innovative technologies that help consumers prevent food waste
- Technologies that will improve the US recycling system
- Low impact reusable and recyclable material alternatives to low value plastic items that escape management
- Low impact construction materials to reduce embodied carbon of buildings
- Low impact construction materials to increase resiliency to disasters and recovery of materials

### Safer Chemicals

- Microphysiological systems for predictive toxicology
- Post application pesticide drift predictor
- PCB-free color technologies

### Risk Assessment

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

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**EPA SBIR**  
AMERICA'S SEED FUND  
FOR ENVIRONMENTAL  
INNOVATION





## 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](http://www.epa.gov/sbir)

For questions, contact:  
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For information on the federal-wide SBIR Program, visit: [www.SBIR.gov](http://www.SBIR.gov).

Join the listserv for notices about upcoming solicitations and other EPA SBIR news at [www.epa.gov/sbir/sbir-listserv](http://www.epa.gov/sbir/sbir-listserv).

## SBIR Success Stories

### Framergy, Inc.

*2019 and 2020 SBIR recipient*

Framergy, Inc. developed a water treatment technology that photocatalytically mineralizes PFAS and another technology that combines methane and VOC capture to reduce pollution. Framergy was awarded two commercialization options of \$100,000 each to match over \$200,000 in funding from third-party investors. They will use these funds to prototype and demonstrate their technologies to advance market readiness.

### Ecovative Design, LLC

*2018 SBIR recipient*

Ecovative Design, LLC, optimized a manufacturing process for their Mycofoam panels, a novel "mushroom" biomaterial technology that displaces toxic formaldehyde resin in engineered wood. This process is cost competitive, energy efficient and eliminates polluting chemicals. Ecovative signed their first licensed manufacturer and engaged several prospective customers.

### TIAX, LLC

*2018 SBIR recipient*

TIAX LLC developed a decontamination technique that mitigates exposure to contaminants by immediate encapsulation, prevents cross-contamination and minimizes hazardous waste generation. TIAX received nearly \$100,000 in commercialization option funding to match third-party funding. TIAX plans to further commercialization efforts by pursuing EPA Fungicidal Registration and patenting their innovation.

## EPA SBIR Program

