



EPA allocates \$1.9 million to small businesses to help support the nation's green economy

Recycling, green building and waste conversion companies among the recipients.

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The U.S. Environmental Protection Agency (EPA) announced almost \$2 million to 19 small businesses nationwide to develop and commercialize technologies that tackle critical environmental problems.

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"Small businesses today are revolutionizing the tools available to protect human health and the environment," said EPA Science Advisor and Deputy Assistant Administrator Thomas A. Burke. "Their technologies are creating new innovative solutions while ensuring a commitment to environmental sustainability."

Each of the 19 companies will receive a Small Business Innovation Research (SBIR) Phase I contract for up to \$100,000 to develop their green technology. When the project is commercially viable, the companies will be eligible to apply for a Phase II contract of up to \$300,000 to develop and commercialize their technology for the marketplace.

The following companies are receiving a phase I SBIR contract:

- Advanced Recovery and Recycling LLC, New York, for recycling circuit board components to reduce electronic waste in landfills;
- Industrial Microbes Inc., California, for reducing carbon pollution in chemical manufacturing using a low-cost biological solution;
- SioTeX Corp., Texas, for reducing industrial processing pollution by harvesting silica from rice hulls;
- MicroChemica LLC, Colorado, for designing a microchip system that analyzes and monitors airborne particles;
- Waddan Systems LLC, California, for developing a lower cost, sensor for simultaneous detection of multiple air pollutants for leak detection and air quality monitoring;
- 3D Array Technology LLC, Connecticut, for manufacturing low-cost, ultra-efficient and robust nano-air filters to capture pollution from vehicles;
- Advanced Technologies & Testing Laboratories Inc., Florida, for designing a self-regenerative air filter that converts harmful substances in the air into water and carbon dioxide;
- Faraday Technologies Inc., Ohio, for developing a cyanide-free bath to treat printed circuit boards;
- TIAX LLC, Massachusetts, for creating an environmentally benign, stain-resistant coating for textiles;
- TDA Research Inc., Colorado, for developing a cheaper and greener polyurethane coating for the paint industry;
- dTec Systems LLC, Washington, for recovering excess nutrients from wastewater at wastewater treatment plants;

- Green Technologies LLC, Florida, for a sustainable nutrient removal, recovery and conversion system;
- LJJW Aquasolution LLC, Washington, for a novel nutrient recovery system from wastewater;
- Physical Optics Corp., California, for designing a regenerative desalination system for small drinking water systems;
- Sporian Microsystems Inc., Colorado, for developing an in-line monitoring system that better detects a range of contaminants in drinking water;
- Metna Co., Michigan, for developing a new, sustainable and low-cost type of concrete with improved durability;
- Bio-Adhesive Alliance Inc., North Carolina, for converting and re purposing agricultural waste with recycled roof shingles for use in pavement construction;
- Precision Combustion, Connecticut, for developing a regenerable high-efficiency filter technology for direct removal of gaseous pollutants from indoor air; and
- SurfPlasma Inc., Florida, for developing a novel method for pathogen-removal in water pipes.

EPA will solicit the next round of SBIR Phase I awards later in September 2015.

Information about the EPA SBIR Phase I awards is available at www.epa.gov/ncer/sbir2015phase1.

Information about the EPA SBIR Program is available at www.epa.gov/ncer/sbir.

Information about the SBIR Program across the federal government is available at www.sbir.gov.