

## FY 2020 – FY 2021 Source Reduction Assistance Grant Award Summaries

During fiscal years 2020-2021, EPA awarded 11 Source Reduction Assistance (SRA) grants totaling \$1.16 million to support pollution prevention (P2) activities across all environmental media – air, water, and land. Award recipients represent local and state government entities, colleges/universities and nonprofit organizations.

The award summaries below include the grant recipient's name, the federal grant amount and a brief description of the project. Grant projects reflect a two-year funding period whereby projects will begin in October 2020 or soon thereafter and are due to complete in October 2022. Projects focus on one or more of the P2 Program's National Emphasis Areas – Food and Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Fabrication; Auto Manufacturing and Maintenance; Aerospace Product and Parts Manufacturing and Maintenance; or Metal Manufacturing and Fabrication.

For additional information on the awarded grants, please contact the [EPA Regional P2 Program](#). EPA Regions 1 and 4 did not participate in the SRA grant competition and no awards were issued in EPA Region 6.

- [Region 2 \(NJ, NY, PR, VI\)](#)
- [Region 3 \(DE, DC, MD, PA, VA, WV\)](#)
- [Region 5 \(IL, IN, MI, MN, OH, WI\)](#)
- [Region 7 \(IA, KS, MO, NE\)](#)
- [Region 8 \(CO, MT, ND, SD, UT, WY\)](#)
- [Region 9 \(AZ, CA, HI, NV, AS, GU\)](#)
- [Region 10 \(AK, ID, OR, WA\)](#)

### **REGION 2 (NJ, NY, PR, VI)**

NEW YORK

#### **New York State Pollution Prevention Institute**

- National Emphasis Area: Food and Beverage Manufacturing and Processing
- EPA Grant: \$174,946

The grantee in partnership with Cornell University's Vinification & Brewing Laboratory will launch a pollution prevention (P2) assistance initiative focused on wineries in Western and Central New York. The objective is to increase P2 activities and awareness, and measurably improve the environmental footprint of the wine industry sector. The grantee plans to do this by creating a P2 indicator checklist, conducting 40 remote or on-site visits to collect baseline data on energy and waste produced by these wineries, and five on-site technical assistance projects. Additionally, the grantee will develop outreach materials to promote the environmental results program.

### **REGION 3 (DE, DC, MD, PA, VA, WV)**

DELAWARE

### **Delaware State University**

- National Emphasis Area: Chemical Manufacturing, Processing and Fabrication
- EPA Grant: \$43,536

The grantee will work with several industry and agency partners to present a model for water and energy conservation in the agrochemical and pharmaceutical industry that includes facilitating pollution prevention education, informing local industry of the disparity between water supply and demand, creating a regional partnership network, and encouraging a culture of conservation. This project will employ real-time monitoring in manufacturing facilities to detect corrosion, microbial activity, salt content, and other contaminants that can adversely affect water and energy consumption.

### **PENNSYLVANIA**

#### **Slippery Rock University**

- National Emphasis Area: Food, Beverage Manufacturing and Processing and Metal Manufacturing and Fabrication
- EPA Grant: \$72,146

The grantee will provide four food and beverage manufacturers within the greater Pittsburgh area with industrial assessments recommending actions that will minimize operating costs and reduce the use of water, energy, and hazardous substances in their processes. The grantee will also create a new intern pollution prevention program and will develop a best management practices training manual as part of this effort.

#### **Northampton Community College**

- National Emphasis Area: Food, Beverage Manufacturing and Processing
- EPA Grant: \$72,146

The grantee will assist businesses in reducing their environmental footprint, operating expenses, and liability risk by promoting sustainable economic development, encouraging good corporate citizenship, and delivering a cleaner, safer environment. The grantee aims to demonstrate that providing for a healthy economy and a healthy environment are not mutually exclusive goals by promoting P2 technical assistance as an effective business development strategy. The project will target businesses in Pennsylvania's ozone nonattainment counties to decrease human exposure to pollutants that contribute to the severity of respiratory diseases.

### **REGION 5 (IL, IN, MI, MN, OH, WI)**

### **ILLINOIS**

#### **University of Illinois at Chicago**

- National Emphasis Area: Food, Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Fabrication; and Metal Manufacturing and Fabrication
- EPA Grant: \$95,000

The grantee will provide four industrial facilities with no cost on-site energy and waste technical assistance. The grantee will engage both plant engineers and corporate staff during assessments to demonstrate the economic and environmental viability of P2 projects. Student engineering interns will be assigned to the facilities to help amplify P2 best practices. Students will be trained on how to incorporate EPA P2 tools and best practices to use in the assessments.

#### **University of Illinois at Urbana-Champaign**

- National Emphasis Area: Food, Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Fabrication; and Auto Manufacturing and Maintenance
- EPA Grant: \$99,168

The grantee will provide on-site pollution prevention and energy efficiency technical assistance to businesses to reduce hazardous materials use and waste, reduce air emissions and water pollution, as well as conserve water and save money. Where unique or novel solutions arise, the grantee's staff will identify, document and/or demonstrate technology solutions and highlight findings in factsheets for dissemination throughout the relative sectors and the P2 community.

#### **REGION 7 (IA, KS, MO, NE)**

##### **IOWA**

#### **Iowa Department of Natural Resources**

- National Emphasis Area: Food, Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Fabrication; Auto Manufacturing and Maintenance; Aerospace Product and Parts Manufacturing and Maintenance; and Metal Manufacturing and Fabrication
- EPA Grant: \$93,000

The grantee will help Iowa businesses and industrial facilities improve their environmental performance by providing four P2 internships and produce three videos demonstrating use of P2 monitoring equipment. Videos will feature a P2 staff person demonstrating the use of a piece of equipment, explaining the equipment's purpose, and how it is used in P2 projects. The videos will also discuss how to apply the data once collected to make a P2 recommendation. The grantee will also conduct on-site assessments, follow up assistance, and other general outreach for businesses. Businesses will also benefit from the grantee's workshop series, annual webinar, electronic P2 Resources Library, and P2 Infohouse.

##### **KANSAS**

#### **Kansas State University**

- National Emphasis Area: Aerospace Product and Parts Manufacturing and Maintenance
- EPA Grant: \$132,000

The grantee will partner with Spirit AeroSystems environmental to provide direct technical assistance that will result in replicable P2 best practices, and significant environmental, economic, and behavior-change outcomes. The grantee will help Spirit AeroSystems establish an advisory board to reduce solvent use. PPI will provide Spirit with on-site technical assistance from trained specialists and P2

interns. The grantee will also work with Spirit to create training videos and host trainings at the International Aerospace Environmental Workgroup, at K-State, and at the Kansas Environmental Conference.

## **REGION 8 (CO, MT, ND, SD, UT, WY)**

COLORADO

### **Boulder County**

- National Emphasis Area: Food and Beverage Manufacturing and Processing
- EPA Grant: \$105,000

The grantee will help food and beverage manufacturing companies transition to “source reduced” packaging. The grantee will develop source reduced packaging, defined as reusable, recyclable, and compostable, that reduces toxic pollutants, use of water, energy, and other raw materials, while supporting more sustainable business models. Work will include working with consultants and stakeholders to gain more knowledge about the challenges and opportunities with sustainable packaging for food products. In addition, the grantee will provide technical assistance training to two or three companies for a pilot study to select packaging redesign materials and develop a life cycle analysis tools to measure project outcomes.

## **REGION 9 (AZ, CA, HI, NV, AS, GU)**

NEVADA

### **greenUP!**

- National Emphasis Area: Chemical Manufacturing, Processing and Fabrication; and Metal Manufacturing and Fabrication
- EPA Grant: \$160,000

The grantee will provide a series of online trainings to promote P2 strategies and help chemical and metal manufacturers in Nevada implement pollution prevention techniques that will reduce hazardous chemical use and waste. The grantee’s internship program will enlist University of Nevada Reno (UNR) engineering students and will identify projects that will result in the reduction or elimination of hazardous substances generated. The grantee anticipates recruiting 30 manufacturers through marketing programs, create two sector-specific promotional videos to help recruit manufacturers, prepare training modules to be presented online, conduct trainings with follow-up calls and recommendations, and conduct a minimum of two projects with businesses to reduce or eliminate the use of hazardous chemicals.

## **REGION 10 (AK, ID, OR, WA)**

WASHINGTON

### **Pollution Prevention Resource Center**

- National Emphasis Area: Food and Beverage Manufacturing and Processing and Auto Manufacturing and Maintenance

- EPA Grant: \$119,872

The grantee will conduct P2 activities in partnership with states in EPA Region 10 to reduce the use of chemicals regulated under the Toxic Chemicals Control Act (TSCA) such as perchloroethylene (PERC), trichloroethylene (TCE), methylene chloride (MC) and n-propyl bromide (nPB), which are commonly used in auto repair. The grantee will provide webinar trainings, meetings and roundtable conferences, industrial on-site assessments, and educational resources such as checklists, fact sheets and case studies. The grantee will give P2 assessment training to interns and project participants, assisting as necessary with on-site P2 assessments, and advising participating businesses and interns. The grantee will conduct one webinar in safer alternatives in auto repair in the first year of the project, and a second webinar targeting breweries for P2 technical assistance in wastewater in the second year.