

FY2022-FY2023 Recurring Pollution Prevention Grant Summaries

During fiscal years 2022-2023, EPA [selected](#) grantees for 39 Pollution Prevention (P2) grants funded under the Bipartisan Infrastructure Law totaling nearly \$12 million. Additionally, EPA [selected](#) grantees for 32 P2 grants funded under the recurring P2 grants program totaling over \$9 million. Both grant opportunities will support P2 activities across all environmental media – air, water, and land. Prospective grant recipients represent state agencies, federally-recognized tribes, and colleges and universities that are instrumentalities of a state.

The grant selection summaries include the grant recipient's name, the federal grant amount and a brief description of what each grant will address. Grants reflect a two-year funding period, with work anticipated to begin in October 2022 or soon thereafter and to complete in October 2024. EPA allows grantees one additional year to follow-up with the businesses they assisted to determine which P2 recommendations were adopted and implemented, and to report that information to EPA. Selected grantees will focus on at least one 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; Metal Manufacturing and Fabrication; or Supporting Pollution Prevention in Indian Country and for Alaska Native Villages.

Read summaries of the [2022-2023 P2 grants funded by the Bipartisan Infrastructure Law](#).

For additional information on the grants, please contact the [EPA Regional P2 Program](#).

- [Region 1 \(CT, ME, MA, NH, RI, VT\)](#)
- [Region 2 \(NJ, NY, PR, VI\)](#)
- [Region 3 \(DE, DC, MD, PA, VA, WV\)](#)
- [Region 4 \(AL, FL, GA, KY, MS, NC, SC, TN\)](#)
- [Region 5 \(IL, IN, MI, MN, OH, WI\)](#)
- [Region 6 \(AR, LA, NM, OK, TX\)](#)
- [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 1 (CT, ME, MA, NH, RI, VT)

CONNECTICUT

Connecticut Department of Energy and Environmental Protection

- National Emphasis Area: Food and Beverage Manufacturing and Processing
- EPA Grant: \$200,000

The grantee will partner with the Connecticut Brewers Association and a number of utility companies in the state to provide pollution prevention (P2) technical assistance to breweries and other food and beverage manufacturers throughout the state, with an emphasis on companies in or adjacent to communities with environmental justice concerns. Through this project, five or more businesses will reduce their environmental footprint and the grantee will launch a sustainable breweries certification program. The grantee will provide on-site technical assistance to businesses to identify P2 best practices that eliminate the use of toxic chemicals and reduce energy use, water use, water discharges and solid waste. The grantee will assist one or more breweries in capturing and reusing carbon dioxide, a greenhouse gas that is produced during the fermentation process and traditionally vented into the atmosphere. Additionally, the grantee will host meetings and webinars for businesses, and produce new written materials and a case study on P2 practices. These resources, as well as best practices identified during onsite assistance, will be disseminated widely so that businesses and other states can replicate the program's P2 activities.

MASSACHUSETTS

University of Massachusetts Amherst

- National Emphasis Area: Food and Beverage Manufacturing and Processing
- EPA Grant: \$115,514

The grantee will partner with food and beverage processors in communities with environmental justice concerns and in its statewide P2 initiative to provide technical assistance to identify and implement sector specific P2 practices that conserve natural resources, mitigate the effects of climate change, and advance environmental sustainability while also reducing operating costs and providing other benefits. The grantee will connect businesses to existing technical and financial resources and will track results from the project to develop best practices, case studies and success stories that will be translated into languages other than English and shared through social media, an electronic newsletter, a website and through the stakeholder networks of partner organizations that focus on equity and work with diverse populations.

NEW HAMPSHIRE

New Hampshire Department of Environmental Services

- National Emphasis Area: Food and Beverage Manufacturing and Processing
- EPA Grant: \$200,000

The grantee will partner with electric and gas utilities in New Hampshire, the New Hampshire Brewers Association, National Brewers Association, New Hampshire Craft Spirits Organization, and the University of New Hampshire to provide P2 technical assistance to the New Hampshire brewery, winery and beverage distillery industry located in or adjacent to communities with environmental justice concerns. The grantee will work with businesses to assess energy and water use at their facilities and calculate potential cost savings from P2 projects that increase energy efficiency and water conservation, reduce water pollution and wastewater discharges and encourage the use of safer cleaning chemicals. The grantee will also host trainings and webinars and develop and distribute case studies and other documents on the P2 best practices that were identified and developed through the project and any issues or impediments businesses might have faced with implementing P2 projects.

RHODE ISLAND

Rhode Island Department of Environmental Management

- National Emphasis Area: Metal Manufacturing and Fabrication
- EPA Grant: \$284,486

The grantee will provide technical assistance to metal manufacturers and fabricators in communities in Rhode Island with environmental justice concerns that were identified using EPA's [P2 EJ Facility Mapping Tool](#). The grantee will help these businesses reduce water use and wastewater that is discharged to publicly owned treatment facilities. In coordination with the utility company National Grid and an energy auditing firm, the grantee will assist businesses to reduce energy use and greenhouse gas emissions including by creating an industry specific checklist to assess energy use. The grantee will share results from the grant activities, lessons learned and case studies through trainings, webinars and other forms of outreach. The grantee will also launch a green certification program for metal manufacturers and fabricators.

REGION 2 (NJ, NY, PR, VI)

NEW JERSEY

New Jersey Department of Environmental Protection

- National Emphasis Area: Food and Beverage Manufacturing and Processing
- EPA Grant: \$155,050

The grantee will use EPA's [EJScreen](#) and [P2 EJ Mapping Tool](#) and the [New Jersey Environmental Justice Mapping, Assessment and Protection Tool](#) (EJMAP) to identify food manufacturers in New Jersey that are in or adjacent to communities with environmental justice concerns. The grantee will provide onsite technical assistance to these businesses that includes benchmarking of current operations and then recommending P2 practices that can reduce releases of pollutants including nitric acid, nitrate compounds, ammonia, methanol and n-hexane. The grantee will communicate results and lessons learned resulting from the grant to the [New Jersey Sustainable Business Registry](#) and through roundtables and the events for food manufacturers.

New Jersey Institute of Technology

- National Emphasis Area: Food and Beverage Manufacturing and Processing
- EPA Grant: \$332,132

The grantee will provide on-site technical assistance to hydroponic vegetable growers in New Jersey including Geogreens, YB Farm, and Edible Garden to reduce the use of traditional chlorine disinfectant that may harm plants and human health. The grantee will evaluate the use of ozone nanobubble water, an antiseptic made of tiny bubbles of water that contain ozone, to reduce pathogens and microbial contamination on vegetables. Results and lessons learned under the grant will be communicated through websites, including YouTube channels, webinars, conference presentations, and various listservs that targeted food processing businesses in New Jersey and New York.

Rowan University

- National Emphasis Area: Chemical Manufacturing, Processing and Formulation; and Automotive Manufacturing and Maintenance
- EPA Grant: \$361,816

The grantee will assist ExxonMobil to reduce hazardous waste, greenhouse gas emissions, and use of energy and other resources, and incorporate greener and safer practices and ingredients at its facility in Paulsboro, N.J. where it manufactures lubricants and other petroleum products. The grantee will build a predictive and planning roadmap and computational tools to assess the viability of P2 strategies for petroleum, lube oil and petrochemical product processing, packaging and transportation through pipelines, including using greener and safer products and materials and increasing the efficiency of various manufacturing processes. Results and lessons learned from the grant will be shared with companies in the chemical and automotive manufacturing sectors. The grantee will also address environmental justice concerns of underserved communities by developing and distributing information to workers on proper use of personal protective equipment, many of whom live in or adjacent to the facility.

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

DELAWARE

University of Delaware

- National Emphasis Area: Automotive Manufacturing and Maintenance
- EPA Grant: \$73,500

The grantee will use EPA's [P2 EJ Facility Mapping Tool](#) to identify automotive manufacturing and maintenance facilities in or adjacent to communities in Delaware with environmental justice concerns. The grantee will assess energy use and waste production at these facilities and recommend ways to implement P2 practices that improve environmental performance and reduce costs. The grantee will also assist in the implementation of recommended P2 measures.

DISTRICT OF COLUMBIA

DC Department of Energy and Environment

- National Emphasis Area: Automotive Manufacturing and Maintenance
- EPA Grant: \$150,000

The grantee will implement a comprehensive P2 education program to reduce or eliminate water, air and solid waste pollution from automotive maintenance businesses in the District of Columbia through its [GreenWrench Technical Assistance Program](#) which provides P2 technical assistance, training at technical schools, and support to help businesses service electric and hybrid vehicles. The grantee will also promote and address environmental justice in the GreenWrench newsletter and will enlist a sub-grantee to develop a pilot project to improve access to electric vehicle charging stations across the city, particularly in communities with environmental justice concerns.

MARYLAND

Maryland Department of the Environment

- National Emphasis Area: Food and Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Formulation; Automotive Manufacturing and Maintenance; Aerospace Product and Parts Manufacturing and Maintenance; and Metal Manufacturing and Fabrication
- EPA Grant: \$95,021

The grantee will seek to expand the [Maryland Green Registry](#) program by inviting companies identified through EPA's [P2 EJ Facility Mapping Tool](#) to join the registry where they can P2 technical assistance and funding opportunities. The grantee will also sponsor online advertisements that promote membership in the registry and highlight businesses and other organizations that have adopted energy efficiency measures and expand use of renewable energy. The registry recognizes the environmental accomplishments of businesses, shares and amplifies P2 best practices and connects businesses with funding for P2 technical assistance and implementation. Organizations in the Maryland Green Registry commit to P2 implementation and are supported by grantee resources, such as membership newsletters, ideas, tips, tools, events, checklists, case studies, and individual consultations. The grantee will also amplify P2 best practices by sharing profiles of businesses and the P2 actions they have taken on social media and providing updates on their newsletter.

PENNSYLVANIA

Pennsylvania State University

- National Emphasis Area: Food and Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Formulation; and Metal Manufacturing and Fabrication
- EPA Grant: \$239,099

The grantee will provide P2 and energy efficiency technical assistance and host events based on the [Economy, Energy, and Environment](#) (E3) federal technical assistance framework for businesses in the

food, chemical and metal manufacturing industry sectors located in or adjacent to communities with environmental justice concerns in Pennsylvania. This project will encourage source reduction strategies for these businesses that will save money and reduce their environmental footprint by reducing resource use, expenditures and waste including greenhouse gas (GHG) emissions.

VIRGINIA

Virginia Department of Environmental Quality

- National Emphasis Area: Food and Beverage Manufacturing and Processing
- EPA Grant: \$56,018

The grantee will provide offsite and onsite P2 technical assistance to food and beverage manufacturers. The grant will help the grantee to expand its [Virginia Environmental Excellence Program](#) (VEEP) which encourages and assists facilities and organizations to reduce pollution. The grantee will host P2 workshops for manufacturers identified through EPA's [P2 EJ Facility Mapping Tool](#) and in consultation with the Virginia Department of Environmental Quality's Office of Environmental Justice, offer onsite technical assistance to workshop participants, solicit membership in VEEP, and follow up with workshop participants to quantify the P2 projects manufacturers may have implemented.

WEST VIRGINIA

West Virginia University

- National Emphasis Area: Food and Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Formulation; Automotive Manufacturing and Maintenance; Aerospace Product and Parts Manufacturing and Maintenance; and Metal Manufacturing and Fabrication
- EPA Grant: \$247,498

The grantee will provide technical assistance to small and medium sized businesses in West Virginia and the surrounding region through training workshops, on-and off-site technical assistance, conferences and roundtables. The grantee will identify P2 best practices based on current smart manufacturing and data-driven methodologies and develop training materials and recommendations for P2 projects that can reduce costs for water, energy and waste disposal and increase overall productivity.

REGION 4 (AL, FL, GA, KY, MS, NC, SC, TN)

KENTUCKY

Kentucky Department for Environmental Protection

- National Emphasis Area: Food and Beverage Manufacturing and Processing; and Automotive Manufacturing and Maintenance
- EPA Grant: \$348,500

The grantee will develop and provide technical education and assistance to manufacturers in Kentucky identified using EPA's [P2 EJ Facility Mapping Tool](#) to implement P2 practices that reduce greenhouse gas emissions and use of energy and water and improves competitiveness. Technical assistance will include identifying best management practices, onsite technical assistance, trainings, and hosting roundtables.

NORTH CAROLINA

East Carolina University

- National Emphasis Area: Food and Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Formulation; Automotive Manufacturing and Maintenance; Aerospace Product and Parts Manufacturing and Maintenance; and Metal Manufacturing and Fabrication
- EPA Grant: \$348,500

The grantee will provide technical assistance to manufacturers to reduce pollution, conserve water and save energy through lean and green practices in a way that addresses environmental justice concerns in communities in North Carolina. Technical assistance will include assessments of energy and water use and the potential for P2 practices. The grantee will also host workshops and trainings on P2 and EPA's [Safer Choice program](#), the basics of lean manufacturing and environmental and energy management. The grantee will produce technical reports for manufacturers that include recommendations for P2 practices that could be implemented at facilities and also provide technical support to help implementation P2 practices. The grantee will also produce resources including P2 training manuals that will be shared with manufacturers during workshops, meetings and through webpages.

North Carolina Department of Environmental Quality

- National Emphasis Area: Food and Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Formulation; Automotive Manufacturing and Maintenance; Aerospace Product and Parts Manufacturing and Maintenance; and Metal Manufacturing and Fabrication
- EPA Grant: \$209,000

This grant will support an ongoing environmental leadership program and on-site P2 technical assistance to businesses. The grantee will host events and/or trainings on P2 and develop P2 case studies within one more of the [National Emphasis Areas](#) identified by EPA's P2 program. The grantee will provide technical assistance to members of the [Environmental Stewardship Initiative](#) of the North Carolina Department of Environmental Quality to reduce greenhouse gas emissions, and energy and water use. The grantee's technical assistance will employ EPA's [Environmental Management System model](#), a set of processes and practices that enable an organization to reduce environmental impacts and increase operating efficiency, and include on-site visits, trainings and workshops.

TENNESSEE

Tennessee Department of Environment and Conservation

- National Emphasis Area: Food and Beverage Manufacturing and Processing; and Automotive Manufacturing and Maintenance
- EPA Grant: \$160,000

The grantee will provide technical assistance to spirits producers through the [Tennessee Sustainable Spirits](#) program to implement P2 practices that reduce greenhouse gas emissions and save businesses money. The grantee will prioritize its assistance to manufacturers that report to the Toxics Release Inventory (TRI) and operate in or adjacent to communities with environmental justice concerns identified using EPA's [P2 EJ Facility Mapping Tool](#). Technical assistance will include workshops, roundtables and onsite support. The program will also leverage existing leadership and recognition programs, such as the [Tennessee Green Star Partnership](#) and the [Governor's Environmental Stewardship Awards](#), to serve as platforms to amplify P2 successes, best practices and cases studies.

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

ILLINOIS

University of Illinois-Champaign's Illinois Sustainable Technology Center (ISTC)

- National Emphasis Area: Food and Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Formulation; Automotive Manufacturing and Maintenance; Aerospace Product and Parts Manufacturing and Maintenance; and Metal Manufacturing and Fabrication
- EPA Grant: \$349,212

The grantee will identify manufacturing and processing facilities located in or adjacent to communities in Illinois with environmental justice concerns using EPA's [P2 EJ Facility Mapping Tool](#) and in consultation with the Environmental Justice Coordinator for the Illinois Environmental Protection Agency. The grantee will provide on-site technical assistance including recommended P2 practices and then measure the impact of P2 practices implemented at the facilities, including reductions in energy and water use and generation of hazardous materials and reduced costs to businesses. The grantee will publish two case studies that highlight innovative P2 practices or technologies implemented as a result of the grantees efforts as a way to help other P2 assistance providers or businesses learn from and replicate those practices. The grantee will publish the case studies on the Illinois Sustainable Technology Center's (ISTC) website and will promote them through ISTC's newsletter and social media channels, and communication channels of the National Pollution Prevention Roundtable (NPPR), EPA and other organizations.

University of Illinois-Chicago

- National Emphasis Area: Food and Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Formulation; Automotive Manufacturing and Maintenance; Aerospace Product and Parts Manufacturing and Maintenance; and Metal Manufacturing and Fabrication
- EPA Grant: \$250,000

In collaboration with the City of Chicago, the grantee will form a group comprised of representatives from the public and private sector to provide manufacturers in or adjacent to communities in Illinois with environmental justice concerns with resources and education on P2, including best practices, strategies to reduce greenhouse gas emissions, education on the environmental impacts their facilities may have on surrounding communities and clean energy and environmental policies. In addition, the grantee will facilitate connections with federal and electric utility-based energy management programs and host events to encourage networking among manufacturers and P2 experts. The group of public and private sector experts, including staff from EPA's regional office, may serve as a model for advancing P2 practices in a way that also addresses environmental justice.

MINNESOTA

Minnesota Pollution Control Agency

- National Emphasis Area: Food and Beverage Manufacturing and Processing
- EPA Grant: \$121,131

The grantee will provide technical assistance to food processors in Minnesota to conserve water and energy and reduce wastewater. At least three of the facilities that will receive technical assistance projects will be in communities with environmental justice concerns. The grantee will collaborate with the [Minnesota Technical Assistance Program](#) (MnTAP) to help food manufacturing businesses implement strategies to improve industrial processes that reduce environmental impacts and improve the competitiveness of businesses in the state. The grantee will conduct assessments to identify opportunities for P2 strategies and will provide support, including with interns, to implement P2 improvements. MnTAP will follow up with participating companies to document potential impacts of P2 projects and develop case studies to share among food processors and P2 practitioners in Minnesota.

REGION 6 (AR, LA, NM, OK, TX)

LOUISIANA

Louisiana State University

- National Emphasis Area: Food and Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Formulation; and Metal Manufacturing and Fabrication
- EPA Grant: \$415,164

The grantee will provide P2 technical assistance through Louisiana's Economy, Energy and Environment (E3) program to chemical, metal and food and beverage manufacturers in Louisiana, focusing on

communities with environmental justice concerns including those in the corridor between Baton Rouge and New Orleans known as Cancer Alley. Technical assistance will include workshops, trainings, distribution of educational materials, and direct outreach. These efforts will be informed by a regional sustainability committee with representatives from Baton Rouge and New Orleans that will help identify best practices for P2 and equity and will be included in the grantee's assessments. The grantee will assess P2 project in partnership with communities through No Waste Louisiana. The grantee will develop an internship program with the Sierra Club chapter at Louisiana State University and faculty from Southern University's College of Business faculty to carry out P2 assessments and convene educational events for businesses and conduct follow-up on P2 projects implemented through this grant.

TEXAS

University of Texas at Arlington

- National Emphasis Area: Food and Beverage Manufacturing and Processing; Automotive Manufacturing and Maintenance; Aerospace Product and Parts Manufacturing and Maintenance; and Metal Manufacturing and Fabrication
- EPA Grant: \$498,836

The grantee will provide P2 technical assistance and convene workshops and trainings to promote source reduction through Economy, Energy and Environment (E3) assessments in businesses located in communities with environmental justice concerns. The assessments will collect and evaluate data related to the efficiency and operation of industrial equipment including temperature, pressure, heat and water flow, and will identify P2 strategies to achieve source reduction. The grantee will conduct site visits at businesses, host workshops and disseminate success stories and findings of P2 practices through social media, websites, partner communication channels, and conferences.

REGION 7 (IA, KS, MO, NE)

IOWA

Iowa Department of Natural Resources

- National Emphasis Area: Food and Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Formulation; Automotive Manufacturing and Maintenance; Aerospace Product and Parts Manufacturing and Maintenance; and Metal Manufacturing and Fabrication
- EPA Grant: \$387,625

The grantee will use EPA's [P2 EJ Facility Mapping Tool](#) to identify industrial facilities located in communities in Iowa with environmental justice concerns and will conduct 44 P2 assessments and coordinate 14 university-level P2 internships to provide direct technical assistance to businesses. The grantee will also host roundtable events and webinars and create a video on P2 that will be distributed to industrial facilities in the state. These activities will help industries in Iowa improve their environmental performance through P2 strategies that reduce hazardous waste, energy and water use, and improve chemical safety.

KANSAS

Kansas State University

- National Emphasis Area: Food and Beverage Manufacturing and Processing; and Chemical Manufacturing, Processing and Formulation
- EPA Grant: \$318,821

The grantee will provide technical assistance to businesses in Kansas, targeting food, beverage and chemical manufacturers and processors, especially those in communities with environmental justice concerns. The project will provide on-site technical assistance and training to businesses, emphasizing and amplifying P2 practices that reduce the amount of hazardous substances entering the waste stream or otherwise released into the environment. The pollutants targeted will vary by industry but will include hazardous air pollutants and greenhouse gas emissions. The grantee will also collect and share best management practices identified from P2 practices implemented as a result of the grant.

NEBRASKA

University of Nebraska Lincoln

- National Emphasis Area: Food and Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Formulation; and Metal Manufacturing and Fabrication
- EPA Grant: \$207,554

The grantee will develop an internship-based P2 technical assistance program and provide at least ten P2 assessments of industrial facilities for food processing, chemical manufacturing or metal manufacturing and finishing, at least half of which will be in or around communities with environmental justice concerns. The P2 projects implemented through the program will aim to reduce wastewater and consumption of water, energy and materials. The project will also develop educational materials including data analysis, case studies and videos that promote P2 best practices.

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

COLORADO

Colorado Department of Public Health and Environment

- National Emphasis Area: Food and Beverage Manufacturing and Processing
- EPA Grant: \$411,440

The grantee will provide onsite P2 technical assistance to businesses located in or around communities with environmental justice concerns and support a P2 internship program to support P2 in the food and beverage manufacturing and processing sector. The grantee will also identify, develop, document and share P2 best practices through Colorado's technical assistance and recognition program, the [Colorado Green Business Network](#) (CGBN).

MONTANA

Montana State University

- National Emphasis Area: Food and Beverage Manufacturing and Processing
- EPA Grant: \$502,560

The grantee will deliver targeted training and technical assistance to small businesses in the food and beverage manufacturing and processing industries in Montana through a P2 internship program to identify opportunities to reduce energy and water consumption and hazardous waste. The grantee will also create educational materials on P2 best practices and case studies, help businesses achieve a Sustainable Brewery Certification and highlight P2 success stories through the Eco-Star leadership recognition program. This grant will establish a new partnership between the Montana Pollution Prevention Program and Salish Kootenai College (SKC) that will highlight traditional ecological knowledge (TEK) and to support SKC's efforts on environmental justice.

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

Yurok Tribe

- National Emphasis Area: Supporting Pollution Prevention in Indian Country and for Alaska Native Villages
- EPA Grant: \$500,594

The grantee will generate a case study and provide P2 technical assistance to encourage treatment of invasive weeds on ancestral lands that does not require herbicides and does not generate greenhouse gases. Technical assistance will include demonstrations of treatment methods for invasive weeds that do not use herbicides or tools powered with fossil fuels. The grantee's weed treatment methods will use electric power and hand tools. The grantee's case study will inform potential future forest management projects on and near the Yurok Indian Reservation, such as those with local timber companies, to prevent or reduce the use of herbicides and reduce greenhouse gas emissions for invasive weeds treatment.

NEVADA

Western Nevada College

- National Emphasis Area: Food and Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Formulation, Automotive Manufacturing and Maintenance; Aerospace Product and Parts Manufacturing and Maintenance; and Metal Manufacturing and Fabrication
- EPA Grant: \$578,541

The grantee will provide technical assistance to businesses in Nevada to reduce the use of hazardous chemicals. The grantee will partner with [greenUP!](#) to support a network of organizations with expertise in P2 and environmental justice that will work with manufacturers and other businesses in Nevada as well as communities with environmental justice concerns. Technical assistance will include helping

businesses implement P2 practices and providing green certification to qualifying businesses. The grantee will support businesses seeking to work with EPA's Safer Choice Program and will assist companies in the development and marketing of alternatives to products with high levels of volatile organic compounds (VOCs) and toxic chemicals. The program will also provide education about chemical alternatives and P2 best practices to businesses in Nevada.

REGION 10 (AK, ID, OR, WA)

IDAHO

Idaho Department of Environmental Quality

- National Emphasis Area: Food and Beverage Manufacturing and Processing; and Automotive Manufacturing and Maintenance
- EPA Grant: \$222,000

The grantee will use EPA's [P2 EJ Facility Mapping Tool](#) to provide technical assistance to businesses located in and around communities with environmental justice concerns in Idaho and will partner with automotive maintenance businesses, the Pacific Northwest Pollution Prevention Resource Center, the Idaho Hispanic Chamber of Commerce, and industry suppliers to increase the use of Safer Choice-certified aqueous parts washing systems and reduce the release of hazardous air pollutants through improved spray efficiency. The grantee will also partner with [Tech Help Idaho](#) and [Food Northwest](#) to continue its "green the green belt" food processing program that addresses concerns related to pollution and resource use in the food and beverage manufacturing sector, including the pH of wastewater, leaks of ammonia refrigerants and water usage rates. The program will promote the adoption of P2 practices by producing case studies through the [P2 Champions program](#). These projects are projected to reduce hazardous materials, water use, greenhouse gas emissions, and lead to financial savings for Idaho businesses.

OREGON

Oregon Department of Environmental Quality

- National Emphasis Area: Chemical Manufacturing, Processing and Formulation; Aerospace Product and Parts Manufacturing; and Maintenance, Metal Manufacturing and Fabrication
- EPA Grant: \$575,550

The grantee will use EPA's [P2 EJ Facility Mapping Tool](#) to identify and provide P2 technical assistance to businesses in Oregon in or around communities with environmental justice concerns. The grantee will support a P2 Internship Program that will conduct on-site P2 research and site assessments. The grantee will also support certification assistance program that will help businesses that are interested in obtaining the Safer Choice certification of its products or having a chemical added to the Safer Chemical Ingredient List. The grantee will also support technical assistance for metals manufacturers and fabricators to reduce toxic air emissions, water discharges, water and energy use, hazardous materials generation and use, and business costs.

WASHINGTON

Washington State Department of Ecology

- National Emphasis Area: Food and Beverage Manufacturing and Processing; Chemical Manufacturing, Processing and Formulation; Automotive Manufacturing and Maintenance; Aerospace Product and Parts Manufacturing and Maintenance; and Metal Manufacturing and Fabrication
- EPA Grant: \$388,262

The grantee will use EPA's [P2 EJ Facility Mapping Tool](#) to identify businesses in Washington in or around communities with environmental justice concerns and provide P2 technical assistance, translation services and third-party verifications to food and beverage manufacturers, metal manufacturers and fabricators, metal finishers, the Washington Applied Sustainability Internship Program, and the Pollution Prevention Resource Center (PPRC). The grantee will build upon the current Washington state P2 reporting database, TurboPlan, to improve operational efficiency and reduce energy, water and hazardous substance use.