

Overview of FY20-21 National Emphasis Areas (NEAs) for Pollution Prevention Grants

US Environmental Protection Agency
Office of Pollution Prevention and Toxics (OPPT)

Webinar for Potential Applicants and Interested Stakeholders
February 25, 2020

Webinar Logistics



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Agenda



- Briefly Review P2 Grant Opportunity
- Overview of Pollution Prevention (P2)
- P2 National Emphasis Areas (NEAs)
- Guidance for Potential Grantees
- Resources for Potential Grantees
- Questions?

Purpose/Desired Work?



Authorized by Pollution Prevention Act of 1990, EPA seeks grants that:

- **Provide technical assistance (e.g., information, training, tools) to businesses** and their facilities to help them develop and adopt **source reduction** practices.
- EPA emphasizes the importance of grantees documenting and sharing P2 best practices identified and developed through these grants so that others can replicate these practices and outcomes.

Grant Basics (See RFA for details)



- Funding available – about \$9.38M nationally, over 2 years
- Eligibility:
 - Any of the 50 states, District of Columbia, U.S. Virgin Islands, the Commonwealth of Puerto Rico, any U.S. territory or possession.
 - Federally-recognized Indian tribes and Intertribal consortia
 - Any agency or instrumentality of the state or tribe, including state colleges and universities
 - Colleges and universities must be chartered, commissioned or publicly-owned/operated by the state or tribe in order to be eligible.
- Match Requirement:
 - 50% of total project costs (dollar-for-dollar).
 - 5% for Tribes and intertribal consortia that place awarded funds and P2 grant workplan into an approved performance partnership grant (PPG) agreement.
- Grant duration: 2-3 years

What is P2?



P2 (source reduction), is any practice which **reduces the amount of any hazardous substance, pollutant, or contaminant** entering any **waste stream or otherwise released into the environment** (including fugitive emissions) prior to **recycling of discarded material, treatment, or disposal**; and **reduces the hazards to public health and the environment** associated with the releases of those substances, pollutants or contaminants.

What is P2? (continued)



- Practices that increase the efficient use of water, energy use or use of raw materials, or taking other actions that protect natural resources prior to recycling, clean up or disposal.
- Practices that may protect natural resources through conservation methods, or in-process recycling (i.e., process improvements to reuse materials within the same business/facility in the production process).

What is not P2?



- Practices which alter the physical, chemical or biological characteristics or the volume of a pollutant, hazardous substance or contaminant through a process or activity which itself is not integral to and necessary for the production of a product or the providing of a service (refer to PPA Section 66303 and 40 CFR 35.343 AND 35.662).
- Recycling of discarded materials, waste, clean-up, disposal activities, and management of or processing of non-hazardous solid waste (e.g., paper/cardboard, glass, plastics, etc.) are not P2 activities and cannot serve as a basis for P2 grant funding.
- If any of these activities represent more than a small or ancillary part of the proposed work funded through the P2 Grant, EPA will not consider the proposal for an award.

P2 National Emphasis Areas



- National Emphasis Areas (NEAs) are program priorities for the P2 Program.
- Created to focus resources and funding to generate more impactful and measurable results.
- Help facilitate information from P2 technical assistance and/or training to businesses nationwide.
- Applicants are to choose **at least one** of the NEAs as the focus of their P2 grant applications.

NEAs for FY 20 - 21



The FY 20-21 NEAs are:

- Based on industry sectors covered by the NAICS codes and sub-sectors described in the NEA descriptions.
 - See Appendix A of the RFA for a complete list of the NAICS codes and subsectors covered for each NEA.
- Align with the Agency's smart sector initiative to help develop sensible approaches that better protect the environment and public health.

NEAs for FY 20 - 21



- NEA #1: Food and Beverage Manufacturing and Processing
- NEA #2: Chemical Manufacturing, Processing and Formulation
- NEA #3: Automotive Manufacturing and Maintenance
- NEA #4: Aerospace Product and Parts Manufacturing and Maintenance
- NEA #5: Metal Manufacturing and Fabrication

Addressing NEAs in Grant Applications



Applications will be evaluated on:

- Whether the narrative identifies and supports at least one of the NEAs as the focus of their P2 grant work;
- Whether the grant describes the types of businesses to be targeted for technical assistance, including the [North American Industry Classification System](#) (NAICS) code if possible (also listed in [Appendix A of the RFA](#)), and how the targeting will support the NEA(s) selected for the grant project, and
- How well the project describes the specific work planned and how that work will support the NEA(s).

NEA #1: Food and Beverage Manufacturing and Processing



- **Carry out P2 technical assistance and projects to support more sustainable food and beverage manufacturing and processing entities in NAICS codes 311 and 3121.**
- Projects should result in reduced toxic air emissions or water discharges, water or energy usage, hazardous materials generation and use.
- Activities associated with entities that are not included under NAICS codes 311 or 3121, such as restaurants, grocery stores and other retail establishments do not qualify for this NEA.

NEA #2: Chemical Manufacturing, Processing and Formulation



- **Carry out P2 technical assistance and projects with businesses normally associated with NAICS code 325 and associated subsectors (4-6 digit NAICS codes under 325).**
- Projects under this NEA should facilitate and encourage businesses within this NAICS code to identify, **develop, and adopt P2 practices in the production of their chemical products and formulations.**
- Projects can also include working with businesses within this NAICS code to **promote research, development, and marketing of green chemistry products and processes** that reduce or eliminate the generation of hazardous substances.

NEA #3: Automotive Manufacturing and Maintenance



- **Carry out P2 technical assistance and projects** with businesses in the automotive industry, normally associated with **NAICS codes 3361, 3362, 3363, and 8111 and associated subsectors.**
- Projects under this NEA should facilitate and encourage businesses within these NAICS codes to identify, develop and adopt P2 practices in manufacturing and maintenance of automobiles and automotive products.

NEA #4: Aerospace Product and Parts Manufacturing and Maintenance



- **Carry out P2 technical assistance and projects** with businesses in the aerospace industry, normally associated **with NAICS codes 3364 and subsectors for manufacture and 488190 for maintenance.**
- Projects under this NEA should facilitate and encourage businesses within these NAICS codes to identify, develop and adopt P2 practices in any aspect of aerospace product and parts manufacturing and maintenance.

NEA #5: Metal Manufacturing and Fabrication



- **Carry out P2 technical assistance and projects** with businesses normally associated **with NAICS codes 331 and 332**, which are businesses associated with primary metal manufacturing and/or fabricated metal manufacturing and subsectors.
- Projects under this NEA should facilitate and encourage businesses within these NAICS codes to identify, develop and adopt P2 practices in any aspect of primary metal manufacturing and/or fabricated metal manufacturing and subsectors.

P2 Technical Assistance Approaches

(Section 1. E of the RFA)



- **P2 Best Practices** – Promoting, identifying, developing, researching, and documenting P2 best practices or new P2 tools for businesses
- **On-site or Off-Site Technical Assistance** – Conducting technical assistance and providing P2 information either at facilities or remotely, such as by phone or e-mail
- **Safer Chemical Use** – Helping business facilities assess and redesign their operations, processes and supply-chain practices use safer chemical alternatives
- **Training** – Conducting trainings on use of P2 tools, adopting P2 practices

P2 Technical Assistance Approaches

Cont. (Section 1. E of the RFA)



- **Community-based P2** - Enhancing existing or creating new community-initiated or community-based projects to help businesses decrease their environmental footprints
- **P2 Themed Roundtables, Collaborations and Meeting** - Organizing business or community collaborations where P2 opportunities and solutions are identified, developed, enhanced, and shared
- **Leadership or Certification Programs** - Providing awards or certifications to businesses which recognize the adoption of newly implemented P2 practices

P2 Practice Examples

(from RFA Appendix B)



- **Reduce air emissions** (e.g., steps to prevent ammonia refrigeration leaks and other fugitive releases, substitute the use of aqueous materials for volatile materials, byproduct recovery and reuse within that business manufacturing processes).
- **Reduce pollutants discharged to water** (e.g., reduce quantity and toxicity of cleaning products which may contaminate water; recover food, dairy, chemical, and other product materials before wet cleaning manufacturing work surfaces to reduce discharges to water; reduce other processing chemicals that contribute to wastewater contamination).
- **Reduce energy use and increase energy efficiency** (e.g., heat transfer systems, equipment upgrades/innovations, process changes/innovations, cleaner fuels).

P2 Practice Examples Cont.

(from RFA appendix B)



- **Conserve water** (e.g., use high-volume, low-pressure washing systems that reuse water; identify practices to minimize loadings to wastewater systems, extend production line times between cleanings to minimize water use).
- **Use lower-toxicity products** (e.g., for product ingredients, refrigerants, equipment cleaning, building cleaners, food-grade lubrication and processing techniques and equipment).
- **Additional examples are provided in [Appendix B of the RFA](#).**

Guidance for Potential Applicants



- Focus on sectors and issues that are priority for your state(s) or region.
- Target business clients within the sectors
 - census may help ID facilities.
 - TRI, NEI, NPDES & RCRA and similar databases available at the state level may help identify clients and P2 opportunities.
- Consider partnerships (e.g., trade associations and sector experts).
- Look to EPA's P2 case study database for sector resources (<https://www.epa.gov/p2/pollution-prevention-case-studies>).

Other Resources



- Refer to EPA's P2 Program Grants page for more information on the RFA, and guidance on applying for P2 grants and measuring results (<https://www.epa.gov/p2/grant-programs-pollution-prevention>).
- Summaries of previously funded P2 grant projects can also be found at <https://www.epa.gov/p2/grant-programs-pollution-prevention>.
- Questions on the RFA can be directed to the Agency Contacts listed in [Section VII of RFA](#).
- EPA's Envirofacts site can provide multi-media information on facilities and emissions by NAICS code – enviro.epa.gov (suggest using "Multisystem Search" search function to identify facilities by location and NAICS).

Find and Analyze Data using the TRI P2 Search Tool



Use the P2 Search Tool at the facility or corporate level to:

- Identify P2 activities implemented
- Identify barriers to source reduction activities
- View P2 trends
- Compare P2 performance
- Overlay production information

Search Criteria

Show P2 info for facilities Show P2 info for parent companies

Select one or more Industry Sector(s):

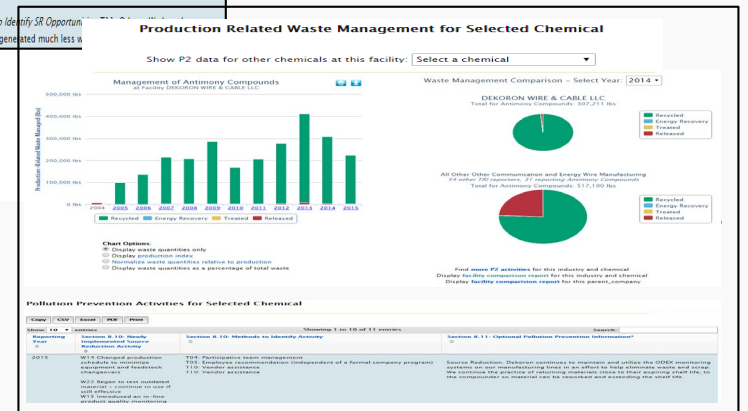
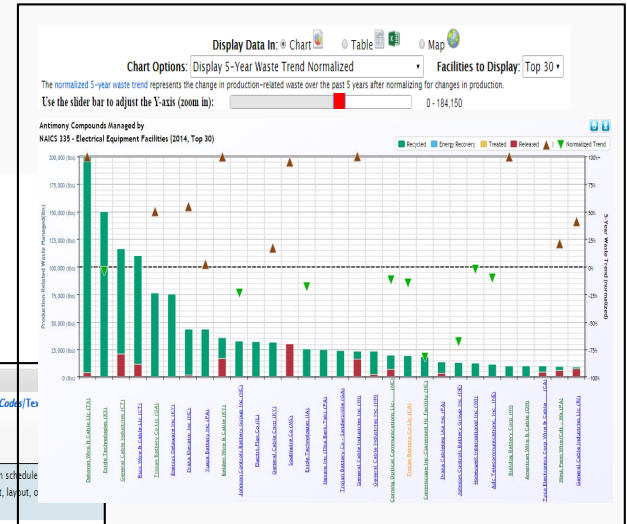
Select one or more Chemical(s) or Chemical Group(s):

Select one or more Year(s):

Select one or more State(s): Enter a ZIP Code or City Name:

Showing 1 to 10 of 1,078 entries

Facility Name	Address	Year	Prior Year Release *	Current Year Release *	Percent Change	Pollution Prevention Information (Activity Code) To
PRESSURE CHEMICAL CO (NA)	3419 SMALLMAN ST, PITTSBURGH, PA 15201	2011	6,574.00	0	-100%	Source Reduction: W14: Changed production schedule Source Reduction: W52: Modified equipment, layout, o
PRESSURE CHEMICAL CO (NA)	3419 SMALLMAN ST, PITTSBURGH, PA 15201	2014	729.00	0	-100%	Source Reduction: W13: Improved maintenance scheduling, recordkeep Source Reduction: W14: Changed production schedule to minimize equi Source Reduction: W50: Optimized reaction conditions or otherwise inc
VANDEMARK CHEMICAL INC (NA)	1 N TRANSIT RD, LOCKPORT, NY 14094	2013	32.89	0	-100%	Source Reduction: W58: Other process modifications - Methanol is not u clean/dry vessels during transitions. Methanol can be used multiple tim Methods to identify SR Opportun which has generated much less w



Explore and Visualize TRI Data using P2 Industry Profile Dashboard



Use the P2 Industry Profile to:

- Quickly and easily filter TRI data from 2007 to 2018 to view interactive charts and maps for specific industry sectors.
- Single click to Food, Auto, and Pharma sectors, and green chemistry data

TRI Pollution Prevention Industry Profile

Select a Featured Profile

- Food Manufacturing
- Auto Manufacturing
- Pharmaceutical Manufacturing

Or Search for an Industry

Industry Sector

NAICS Code

Optional - Select Green Chemistry Activities

- Green Chemistry



Webinar for Outreach to Food and Beverage Manufacturers



- Getting Your “Food” in the Door: Strategies to Engage Food and Beverage Manufacturers in Pollution Prevention Technical Assistance
 - **Date & Time: March 24, 1:00 – 2:30 PM ET**
 - **Details & Free Registration:**
<https://register.gotowebinar.com/register/2616299318147436555>

Questions?

