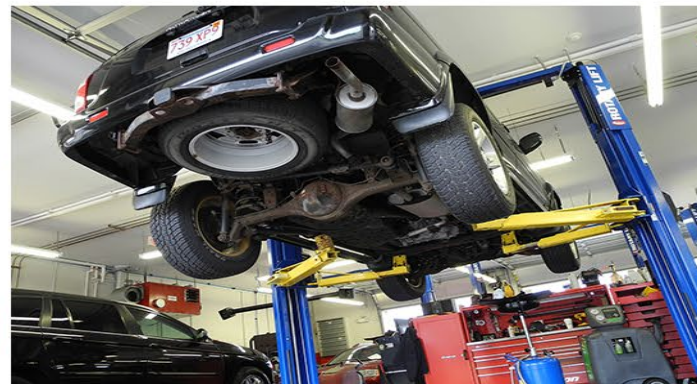


# U.S. EPA Pollution Prevention Grants

**Federal Announcements of Funding Availability  
Webinar for Potential Applicants and Interested Stakeholders  
Webinar series: February 17, 22 and 24, 2022**



# Goals of Webinar

- Provide an overview of the Pollution Prevention Grant Program's Requests for Applications (RFAs).
- Provide information and answer questions about the application and review process to help potential applicants submit high quality applications for funding consideration.

# Agenda

- **Describe P2**
- **Overview of Grant Opportunities**
- **Break for Questions**
- **Performance Measures and Reporting**
- **Application Submission and Evaluation**
- **Tips & Resources**
- **Demo of P2 Program's EJ facility mapping Qlik sense tool**
- **Break for Questions**

# What is P2?

P2/pollution prevention, also called “source reduction,” is:

- Any practice that reduces the amount of any hazardous substance, pollutant, or contaminant entering a waste stream or otherwise released into the environment *prior to* recycling of discarded material, treatment, or disposal.
- About reducing hazards to public health and the environment associated with the release of those substances, pollutants or contaminants.

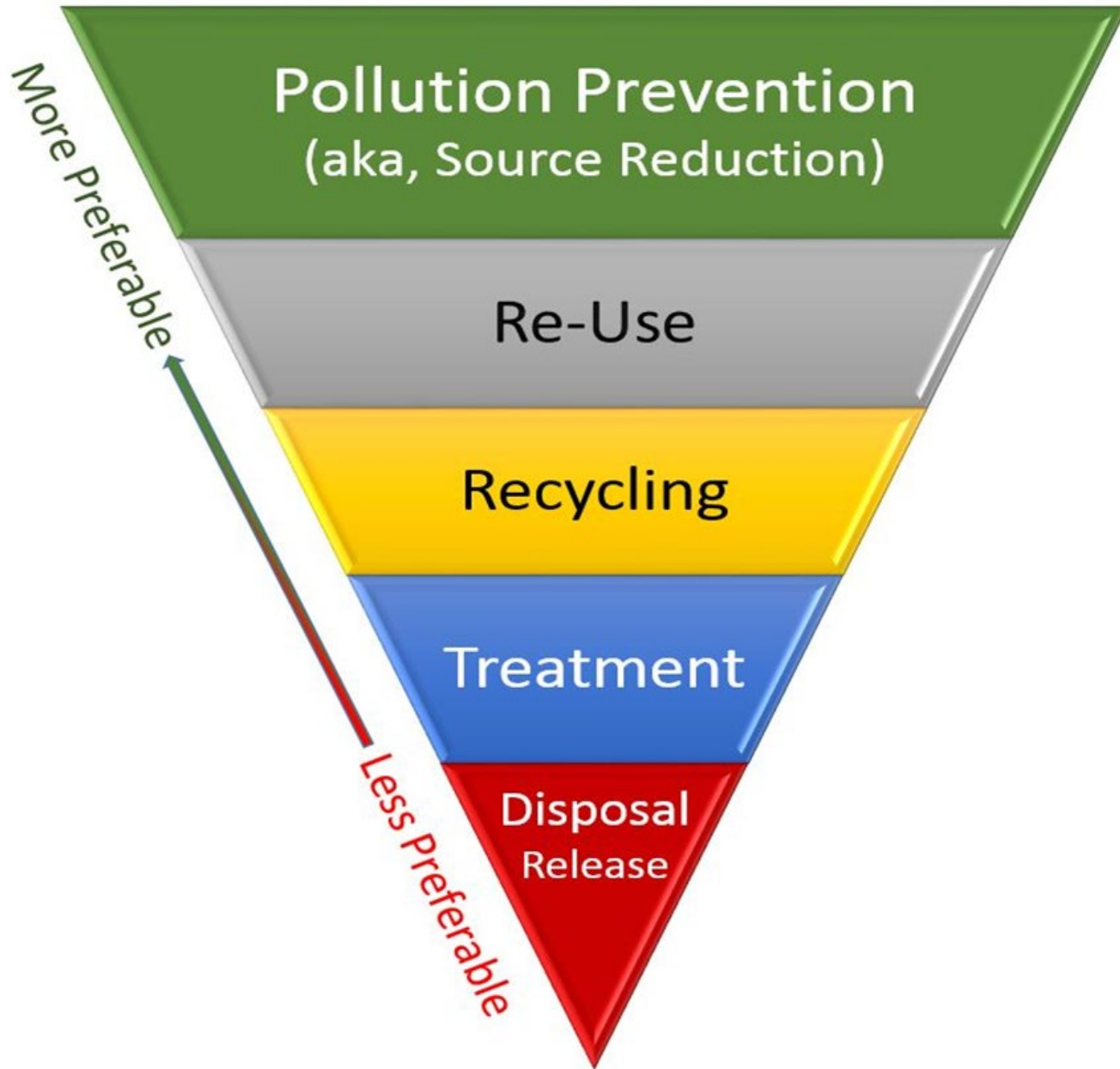
# What is P2? (continued)

- 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., reusing materials during the production process phase; within the same facility).

# 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, 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 your project work, EPA will not consider the application for an award.**

# The Waste Management Hierarchy

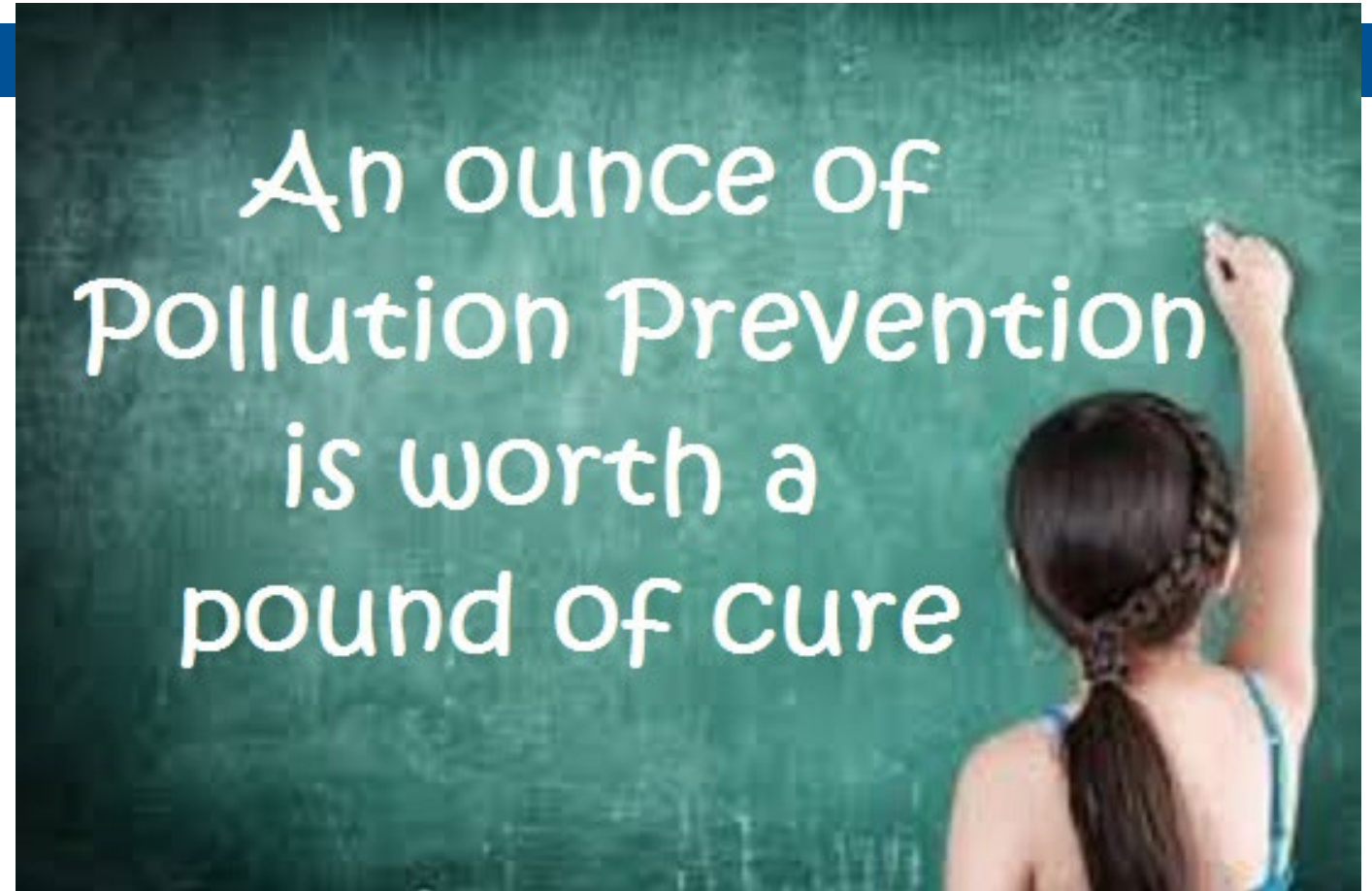


## P2 Hierarchy – The Preferred Approach

## P2 Benefits

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- **\$1.9 BILLION**  
dollars savings for business
- **706 MILLION POUNDS**  
hazardous materials reduced
- **40.4 BILLION GALLONS**  
water saved
- **16.9 MILLION METRIC TONS**  
greenhouse gases eliminated
- **25.9-BILLION-KILOWATT HOURS**  
energy savings





# P2 Benefits (continued)

- P2 means taking actions to produce less waste.
- Less pollution means fewer hazards posed to public health and the environment.
- P2 helps American business:
  - Compete economically through improved environmental performance.
  - Reduce operating, regulatory and liability costs.
  - Spur, leverage and amplify innovation.
  - Protect human health and the environment.

# Purpose of P2 Grants

The Pollution Prevention Act of 1990, authorizes EPA to award grants that provide technical assistance to businesses to help them adopt source reduction (pollution prevention or P2 approaches).

# Timeline for FY 22-23 P2 grant RFAs

- RFAs released – February 9, 2022
- Applications due – April 11, 2022
- Anticipated period for notifying applicants of ineligibility – late May/early June
- Anticipated period for notifying applicants of anticipated funding recommendations – late May/early June
- Anticipated notification of funding selections – June 30, 2022
- Anticipated award notifications – September 30, 2022

**EPA Regional P2 Program office time schedules may vary.**

# Eligibility

- Any of the 50 states, District of Columbia, the U.S. Virgin Islands, the Commonwealth of Puerto Rico, any territory or possession of the U.S. (40 CFR 35.345).
- Federally-recognized Indian tribes (40 CFR 35.663).
- Intertribal Consortia (40 CFR 35.504).
- Any agency or instrumentality of the state or tribe, including state/tribal colleges and universities.
- **We encourage applicants to consider partnering with others in the P2 stakeholder community to strengthen their ability to provide P2 technical assistance to businesses and facilitate the development, adoption and dissemination of P2 solutions.**

# Eligibility (continued)

- Colleges and universities must include documentation demonstrating that they are chartered, commissioned or publicly-owned/operated by the state or federally-recognized tribe.
- Documentation may include but is not limited to a state constitution/tribal government reference, college/university charter, W-7 tax form that has confirmed the college or university to serve as an instrumentality of a state or federally-recognized tribe.

# Desired Work

EPA is interested in receiving applications that:

- Describe how P2 technical assistance (e.g., information, training, tools) will be provided to businesses.
- Describe how project work will support at least one of the NEAs.
- Lay out comprehensive plans for reporting results from grant activities.
- Develop at least one case study.
- Amplify best practices and lessons learned and share this information with others.

# Notable Changes from Last P2 Grant Competition

- **New P2 Grant Announcement – funded through the Bipartisan Infrastructure Law.**
- Added a P2 National Emphasis Area (NEA) – Supporting P2 in Indian Country and for Alaska Native Villages (this NEA is only available to federally-recognized tribes and intertribal consortia).
- Project Emphasis on:
  - environmental justice (EJ) in underserved communities
  - climate change
- New result measures added to capture EJ activity and results.
- Streamlined grant announcements.

# Two FY 22-23 P2 Grant announcements

- P2 Grant RFA – funded with recurring appropriation:  
Funding opportunity number/FON: **EPA-HQ-OPPT-2022-001**
- P2 Grant RFA – funded with Bipartisan Infrastructure Law appropriation:  
Funding opportunity number/FON: **EPA-I-OCSP-OPPT-FY2022-001**
- Program is issuing two RFAs because our office is unable to co-mingle funds received under our recurring appropriation with new funds received under the Bipartisan Infrastructure Law appropriation.
- **RFAs are identical, except as noted on the following slide.**
- **Applicants are welcome to apply to one or both RFAs.**  
**In order to be funded under both announcements, the work described in each application and workplan must clearly be separate from or in addition to the work described in the other grant announcement.**



# Comparison of Recurring and Bipartisan Infrastructure Law funded RFAs

RFA TYPE	FUNDING	COST SHARE/MATCH	# OF AWARDS & FUNDING	PPG ELIGIBLE?	APPLICANT POOL?	SCOPE OF WORK/NEAs
<p>RECURRING – APPROPRIATED GRANT RFA</p> <p><b>FON: EPA-HQ-OPPT-2022-001</b></p>	\$9.38 million (\$4.69 million per year)	50%	<p>&lt;20 awards</p> <p>Total award cap - \$800K/2yrs</p> <p>Award range - \$20K - \$400K/yr</p> <p>Awards – incrementally-funded over a two-year funding period.</p>	YES	SAME	SAME
<p>BIPARTISAN INFRASTRUCTURE LAW- APPROPRIATED GRANT RFA</p> <p><b>FON: EPA-I-OCSPP-OPPT-FY2022-001</b></p>	\$13.9 million	NONE - 0%	<p>~40-50 awards</p> <p>Total award cap - \$350K/2yrs</p> <p>Award range - \$20K - \$350K</p> <p>Awards – fully-funded upon issuance.</p>	NO		

# Cost Share/Match Requirement

- Under on-going STAG-funded RFA - as required by the P2 Act, grant recipients must provide at least a 50 percent match of the total allowable project cost.
- Example: If the total project cost is \$100,000, the applicant must be able to provide \$50,000 in cash or in-kind contributions in order to be eligible to receive a \$50,000 grant from EPA.

# Cost Share/Match Requirement (continued)

- Cost sharing and matching contributions may include, but are not limited to:
  - ✓ Dollars
  - ✓ In-kind goods and services (such as volunteered time, photocopying and printing services)
  - ✓ Third-party contributions consistent with 2 CFR 200.306
  - ✓ University faculty time or effort can be offered as a cash contribution, if the cost sharing occurs during the assistant agreement project period and while the faculty member is under a continuing contract with the university
- Applicants must document in their budgets the type of match applied and how it will be used.

# Cost Share/Match Requirement Exceptions

- Cost sharing and matching requirements are waived for proposals under \$200,000 from Insular Area applicants (U.S. Virgin Islands, American Samoa, Guam and the Northern Mariana Islands).
  - Insular Area applicants with proposals that require a cost share of \$200,000 or more are advised to contact the applicable EPA region to determine if the cost share requirements will be waived in whole or in part.
- Tribes and intertribal consortia that are awarded P2 grant funds and then place that awarded P2 grant workplan into an approved performance partnership grant (PPG) agreement will have their cost share/match waived in accordance with new agency grant policy.

# Partial Grant Funding

- EPA reserves the right to partially fund applications by funding discrete activities, portions or phases of a proposals.
- If EPA decides to partially fund an application, it will do so in a manner that will not prejudice any applicant or affect the basis upon which a proposal or a portion will be evaluated or selected.

# Agreement Types

- **Grants** – Awards of financial assistance issued by the federal government to eligible recipients based on approved workplans. EPA **will not** be substantially involved in the performance of grants but will monitor and perform oversight of grant work to ensure federal funds are being used as intended and expended in a timely and efficient manner.
- **Cooperative Agreements** – Awards of financial assistance issued by the federal government to eligible recipients that involve **substantial involvement** between the EPA and the selected applicant in performance of approved workplans. EPA will negotiate precise terms and conditions relating to substantial involvement as part of the award process.

# Funding Period

- Funding anticipated for 2 years (dependent on Congressional appropriation, satisfactory performance of grantee).
- Funding is generally to support two-years of technical assistance.
- The recipient's proposal may carve out a portion of funds from the two-year funding agreement to support a third year, in order to follow-up with businesses to find out if P2 approaches were implemented or adopted and/or to use that third year to develop case studies.

# P2 National Emphasis Areas (NEAs)

- 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.
- Applicants will not be awarded additional evaluation criteria points or given added preference for addressing multiple NEAs.



# NEAs for FY 2022 - 2023

- 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
- NEA #6: Supporting Pollution Prevention in Indian Country and for Alaska Native Villages (this NEA is only available to federally-recognized tribes and intertribal consortia)

# NEAs for FY 2022 – 2023 (continued)

- **NEA #1: Food and Beverage Manufacturing and Processing:** Carry out P2 technical assistance and projects with food and beverage manufacturing and processing businesses normally associated with NAICS codes [311](#) and [3121](#) for the purpose of reducing toxic air emissions or water discharges, water or energy usage, hazardous materials generation and use.
- **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 chemical products and formulations.
- **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.

# NEAs for FY 2022 – 2023 (continued)

- **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](#), (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.
- **NEA #6: Supporting Pollution Prevention in Indian Country and for Alaska Native Villages:** **This NEA is available only to federally-recognized tribes and intertribal consortia:** Carry out P2 technical assistance and projects with businesses in Indian country and Alaska Native Villages. Projects under this NEA should facilitate and encourage businesses and their facilities in Indian country and Alaska Native Villages to identify, develop and adopt P2 practices and do not need to support the previous five NEAs or any other specific industrial sector. **Note:** *Technical assistance may also be provided to businesses operated by the federally-recognized tribe or intertribal consortium and/or to businesses located in Indian country or in Alaska Native Villages.*

# P2 Grant Project Examples

- In P2 technical assessments, look for opportunities to reduce air emissions and release of greenhouse gases.
- In P2 technical assessments, look for opportunities to reduce pollutants discharged to water.
- In P2 assessments, look for opportunities to use lower-toxicity products (e.g., for product ingredients, refrigerants, equipment cleaning, building cleaners, food-grade lubrication).
- Work with manufacturers, including small and disadvantaged businesses, and their supply chains, to develop products with safer ingredients (e.g., are Safer Choice-certified). This work could include development and dissemination of educational materials, e.g., video, webinars, website to educate the supply chain on the benefits of developing safer products.
- Develop and conduct training for custodial workers at tribal hotels and casinos on the use of Safer Choice-certified cleaning products and Design for the Environment-certified disinfectants.

➤ **More project examples are offered in Appendix B of RFAs.**

# BREAK



# Performance Measures

- Applicants must provide a comprehensive plan for gathering and reporting on the expected environmental outputs and outcomes of proposed grant work.
- Grantees will be expected to follow up with all facilities assisted over the course of the grant period to determine, as feasible, what P2 practices were adopted or implemented.
- Grantees are encouraged to report outputs and outcomes in table or spreadsheet form (see examples in [Appendix E](#)).
  - [Excel spreadsheets](#) are available from the [EPA's P2 Program's Grant Reporting page](#) and may be used for the required reporting.

# Performance Measures – Required Outputs

## Outputs that P2 grant recipients are required to report to EPA:

- Number of facilities provided P2 technical assistance.
  - *EJ: Number of facilities in or adjacent to underserved communities provided P2 technical assistance.*
- Percentage of facilities provided P2 technical assistance that the grantee follows up with (e.g., phone call, visit, letter or email) to determine which P2 practices were implemented (should be 100%).
- Percentage of facilities that implement at least one new P2 practice as a result of the technical assistance provided by the grantee.
  - *EJ: Percentage of facilities in or adjacent to underserved communities that implemented at least one new P2 practice as a result of the technical assistance provided by the grantee.*

# Performance Measures – Required Outputs (continued)

- Number of case studies and other P2 documentation products describing specific P2 best practices identified, developed or implemented through the grant.
- Number of amplification activities (i.e., training, webinars, roundtables, other outreach) that widely share P2 practices and documentation products.
- For each amplification activity, grantees will also be asked to report on:
  - Topic(s) covered.
  - Number of facilities attending training or webinars or receiving outreach materials.
  - Percentage of participants reporting increased understanding of topics covered.
  - EJ: Number of amplification activities that target underserved communities.



# Performance Measures – Optional Outputs

## Optional outputs that P2 grant recipients may want to report to EPA.

- Number of stakeholder groups involved in the process.
- Number of technical assistance assessments or visits.
- Number of recommendations made to businesses/facilities.
- Number of P2 recommendations implemented by businesses/facilities.
- Number of innovations and/or best practices developed.
- Number of workshops, trainings and courses conducted.
- Number of businesses attending workshops, trainings and courses.
- Number of outreach materials developed (e.g., fact sheets, leaflets).
- Types of skills and abilities achieved by training participants.
- Number of people served by outreach.
- Number of people in underserved communities served by outreach.

# Performance Measures – Required Outcomes

Outcomes that P2 grant recipients are required to report to EPA.

- Reduction in pounds of hazardous material used and of hazardous substances, pollutants and contaminants released.
  - EJ: Reduction in pounds of hazardous materials used and of hazardous substances, pollutants and contaminants released at facilities in or adjacent to underserved communities.
- Reductions in metric tons of carbon dioxide equivalent (MTCO<sub>2</sub>e) released.
  - EJ: Reductions in metric tons of carbon dioxide equivalent (MTCO<sub>2</sub>e) resulting from P2 actions implemented at facilities in or adjacent to underserved communities.

# Performance Measures – Required Outcomes – (continued)

- Reductions in gallons of water used.
  - EJ: Reductions in gallons of water used at facilities in or adjacent to underserved communities.
- The dollar savings associated with achieving reductions in hazardous material use, hazardous releases, water use, and energy use, including savings from reduced regulatory burden.
  - EJ: The dollar savings associated with implementing P2 actions at facilities in or adjacent to underserved communities.

# Reporting Grant Activity

- Grant recipients are required to submit annual performance reports during the project period and a final technical report at the completion of the grant.
- Some regions may also require a semi-annual progress report, e.g., sharing information on milestones.
- Grant recipients will be expected to report on the outputs and outcomes of the grant, described in “Measuring and Reporting Environmental Results: Output & Outcome Performance Measures” in **Section I.I.** Also, see **Section VI.C.3.** of the RFAs.
- Different workplans will yield and require different reporting information.
  - If P2 Recommendations were provided to a specific facility.
  - If P2 Technical Assistance was provided to multiple facilities at a time (e.g., P2 training, webinars roundtables, other outreach).

# Reporting Grant Activity (continued)

- Grantees are encouraged to report outputs and outcomes in table or spreadsheet form (see examples in [Appendix E](#)).
- For the convenience of the grantees, [Excel spreadsheet templates](#) are available from the [EPA's P2 Program's Grant Reporting page](#) and may be used for the required reporting.
- EPA will use reported information to determine if workplan requirements are being met and to build a repository of lessons learned and P2 approaches that can be widely shared and replicated.

# Case Studies

- Provide technical information on one or two specific P2 practices, so that other P2 technical assistance providers or interested businesses can learn from and replicate those practices (2-5 pages). Guidance on the elements of a P2 case study are in **Appendix F**.
- Required for P2 practices that are new, not widely known or adopted, or where the grantee believes detailed information on the P2 practices could benefit other business facilities or P2 technical assistance providers.
- EPA expects that each grantee will develop at least one of these case studies during the grant period.
- Case studies submitted by grantees will be used to build and share a body of knowledge about P2 practices that could be implemented at other similar business facilities.

# Critical Elements of RFAs

- Deadline: Applications are due April 11, 2022.
- Threshold Eligibility Criteria.
- Evaluation Criteria.
- Submission Process.

# Threshold Eligibility Criteria

1. Applications must adhere to statutory criteria and definition of P2.
2. Preponderance of work must support P2.
3. Applications must address and support at least one of the NEAs.
4. Applications must describe how work aligns with EPA's Strategic Plan and supports expected outputs and outcomes.
5. Applications must be from eligible applicants.



# Threshold Eligibility Criteria (continued)

6. Applications must adhere to 50% match (exceptions – 0% for Tribes with PPG; match waived for insular area applicants – for applications under \$200K).  
**Note: This criterion ONLY applies to RFA with FON- HQ-EPA-OPPT-2022-001.**
7. Applications must comply with submission instructions.
8. Applications must be submitted through Grants.gov or an accepted alternative method.
9. Applications submitted late will be disqualified.
10. Applications must adhere to 15-page limit – which includes cover page and project narrative.

# Grant Evaluation

## What will Reviewers be looking for in the project narratives?

- Compliance with threshold eligibility criteria and submission requirements.
- Project alignment with P2 and National Emphasis Areas (NEAs).
- Compliance with cost share/match requirement (**only applies to FON: EPA-HQ-OPPT-2022-001**).
- Clear responses to evaluation criteria.

# Tips for Preparing Applications

- Start Early.
- Line up partners committed to the work.
- Cross-check calculation of cost share/match requirement  
**(ONLY applies to FON: EPA-HQ-OPPT-2022-001)**
- Provide specific and succinct and descriptions of proposed work to address evaluation criteria.
- **Follow submission instructions provided in RFAs (Sections IV.A-C).**
- **P2 Grant Application Checklist is available – use it to confirm whether you are ready to submit a complete application. Checklist posted here:**  
**<https://www.epa.gov/p2/p2-grant-program-resources-applicants>**

# Additional Resources

- Refer to EPA's P2 Program Grants page:  
<https://www.epa.gov/p2/grant-programs-pollution-prevention>.
- P2 Grant FAQs: <https://www.epa.gov/p2/p2-grant-program-resources-applicants>.
- P2 Hub Helpline – email: [P2Hub@epa.gov](mailto:P2Hub@epa.gov), online form:  
<https://www.epa.gov/p2/forms/contact-us-about-pollution-prevention#helpline>  
or call: 202-566-0799.
- Agency Contacts – Section VII of RFAs.
- P2 Grant Guidance on Measuring P2 Outputs and Outcomes.
- EPA's Office of Grants and Debarment's Recipient Training Requirements and Opportunities page:  
<http://www.epa.gov/grants/recipient-training-requirements-and-opportunities>.

# Additional Webinars

The P2 Program held P2 grant webinars on:  
February 17, 22 and 24.

For additional information, please refer to EPA's  
Grant Programs for Pollution Prevention page:

<https://www.epa.gov/p2/grant-programs-pollution-prevention>

# Demo of P2 Program's Facility-Mapping Tool

- Presented by U.S. EPA Contractor, Eastern Research Group (ERG) <http://www.erg.com>.
- Team:
  - Cheryl Keenan
  - Matthew Heyward
- P2-EJ Facility Mapping Tool available at: <https://www.epa.gov/p2/p2-ej-facility-mapping-tool>

# BREAK

