



EPA's P2 Program: Where we are and where we're going

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Prevention

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Major Areas of P2 Effort in EPA

- **STAG Grants** - Grants fund states' and tribes to conduct outreach on the benefits of P2, provide P2 technical assistance and training for businesses, identify and develop P2 solutions and innovations; and share and amplify those P2 innovations so that others can replicate.
- **Source Reduction Assistance Grants** - Available to entities beyond just states and tribes – i.e., includes NGOs - focusing on P2 innovation
- **Safer Choice** - Product certification program that helps consumers, businesses, and institutional buyers identify products made with ingredients that are safer for human health and the environment.
- **EPA Green Chemistry Challenge Awards** - Recognizes fundamental and innovative chemical technologies that accomplish pollution prevention through source reduction and that are useful to industry.
- **Environmentally Preferable Purchasing (EPP) Program** - Works with federal agencies (e.g., GSA) to integrate environmentally preferable purchasing into procurement systems and software platforms. Participate in private sectors standards development to promote inclusion of sustainable practices.
- **P2 and EPCRA/TRI (and TSCA)** – Utilizes P2 reporting in TRI to identify, document, and/or amplify source reduction techniques for chemical safety.

The P2 Business Case: Improving Environmental and Economic Performance



❖ cost savings (materials & energy)

- ❖ energy savings
- ❖ water savings
- ❖ waste management savings (hazardous waste handling)



❖ new products (sources of revenue)

- ❖ sustainable/sustainability products
- ❖ services -> info management



❖ managing/transforming waste

- ❖ liability -> asset
- ❖ Industrial by-product synergy

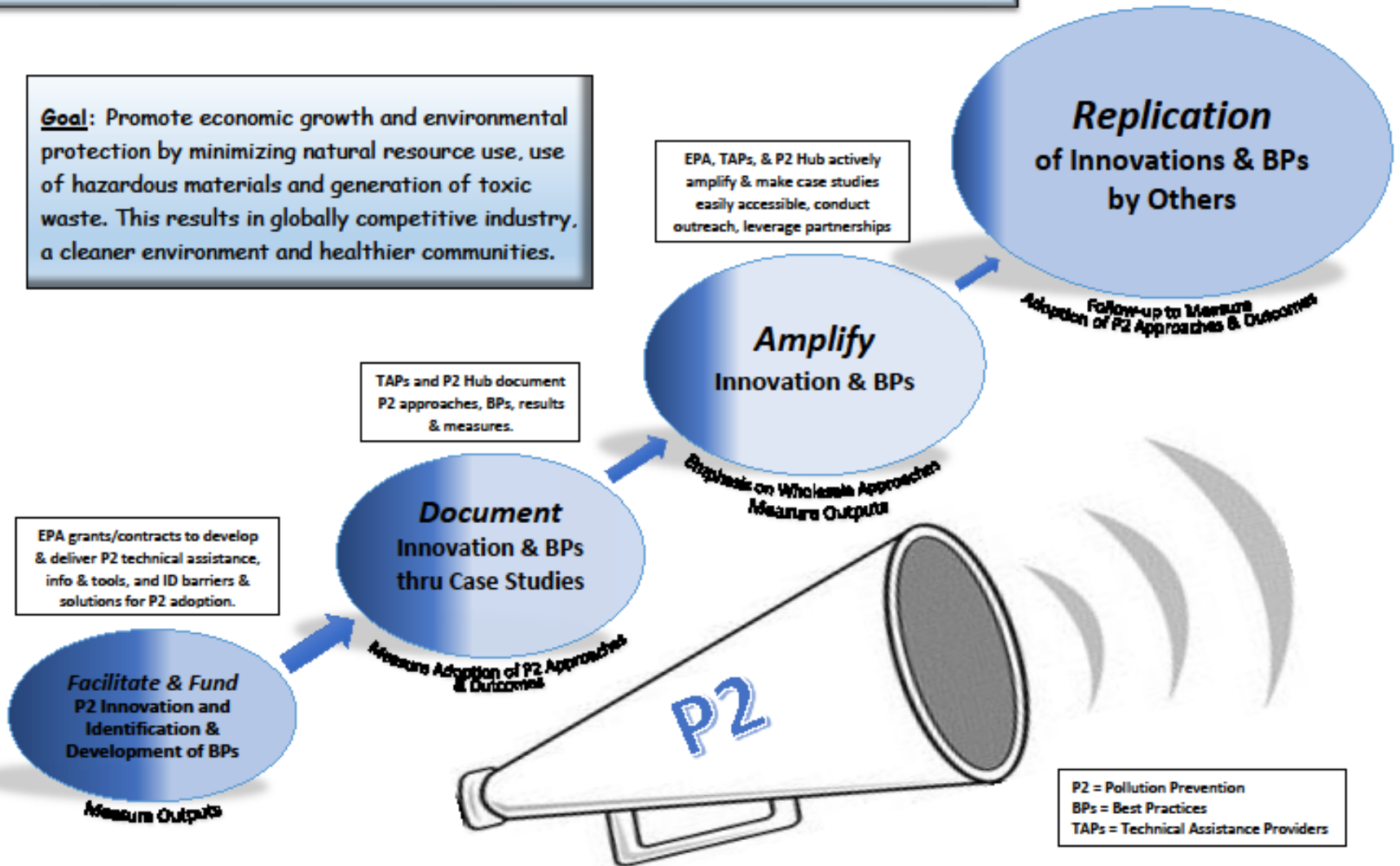


❖ corporate goodwill

Pollution Prevention Strategic Approach

Goal: Promote economic growth and environmental protection by minimizing natural resource use, use of hazardous materials and generation of toxic waste. This results in globally competitive industry, a cleaner environment and healthier communities.

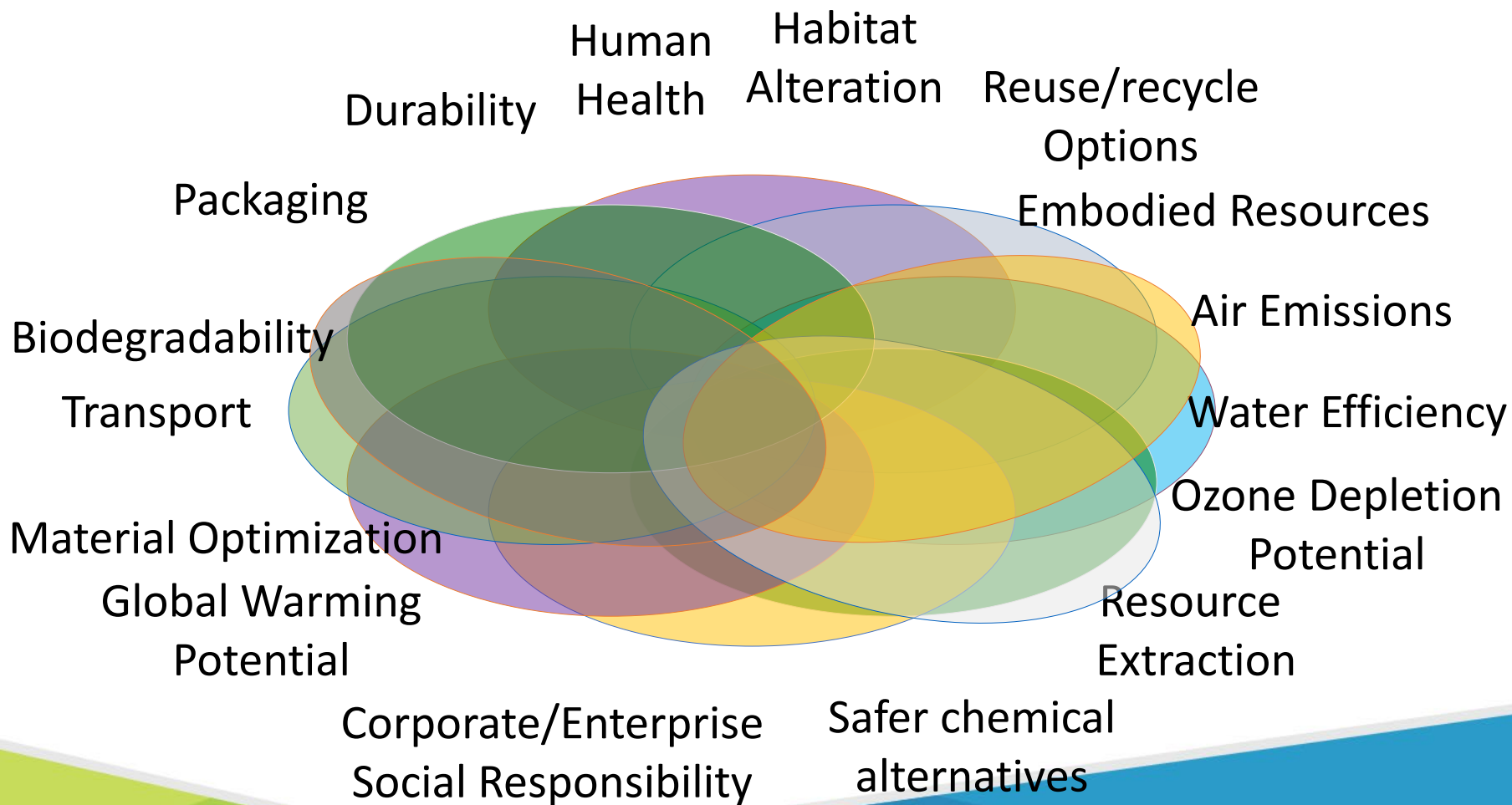
P2 approaches and outcomes are replicated by others



P2 Grants: National Emphasis Areas

- 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: Pollution Prevention in Indian Country and Alaska Native Villages**
(only available to federally-recognized tribes, including Alaska Native villages or regional or village corporations, and intertribal consortia)

ENVIRONMENTALLY PREFERABLE” OR “SUSTAINABLE” IS COMPLEX



The Market Landscape...460+



“Enviro-friendly”
 “Naturally derived”
 “EarthSmart”
 “NonPolluting”
 “Virtually non-toxic”
 “Sustainably-sourced”

“No additives”
 “Forest Friendly”
 “Garden Safe”
 “Green”
 “EcoSafe”
 “Healthy”
 “Recyclable”

Clarity of Meaning, e.g., Safer Choice



What's cooking?

- Financing P2 investments
- P2: enabling and empowering environmental justice
- New BIL grants
- Inflation Reduction Act
- Telling P2 Stories
- Expanding P2 voices

EFAB Charge: Financing Small Manufacturer Pollution Prevention Projects

In Collaboration with: EPA Office of Pollution Prevention and Toxics
Office of Chemical Safety and Pollution Prevention - OCSP

WASTE MANAGEMENT HEIRARCHY



Food/Beverage,
Auto,
Aerospace,
Fabricated
metals,
Chemicals



EXPLORE: BARRIERS TO FINANCING



ADDRESS CHALLENGES/OPPORTUNITIES

- i. How could different financing structures and models increase financing?
- i. How would a sector-based approach to manufacturers inform economies of scale in financing?
- i. How could EPA best support expansion of financing and assistance programs?

NetZero; Supply Chain Sustainability

Financing Small Manufacturer Pollution Prevention Projects
In Collaboration with: EPA Office of Pollution Prevention and Toxics
Office of Chemical Safety and Pollution Prevention - OCSP

Project Leadership & Working Group



Kerry O'Neill,
CEO, New Prosperity
Capital; Chair, EFAB



Ashley Allen Jones,
Founder & CEO, i2 Capital,
Chair, EFAB P2 Workgroup



Ed Chu, EFAB
Designated Federal
Officer; Deputy
Regional Administrator,
EPA Region 7



Tara Johnson, EFAB
Alternative Designated
Federal Officer; EPA
Water Finance Center



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Pollution Prevention Workgroup Members

- **Kerry O'Neill**, CEO, New Prosperity Capital
- **Ashley Allen Jones**, Founder & CEO, i2 Capital
- **Stacy Brown**, President and CEO, Freberg Environmental
- **Craig Hrinkevich**, Managing Director, Baird
- **Chris Meister**, Executive Director, Illinois Finance Authority (EFAB Term Expired 7/2022)

EPA Project Workgroup Members

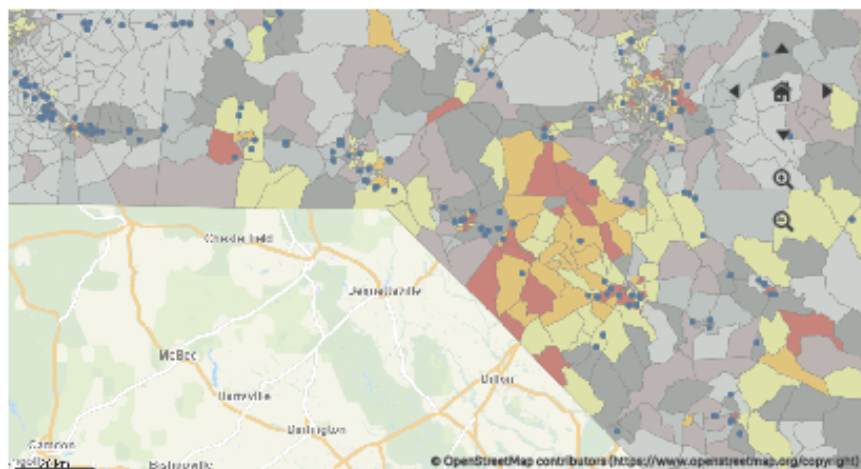
- **David Widawsky**, Director, EPA OCSP
- **Alison Kinn Bennett**, Senior Advisor, USEPA Office of Pollution Prevention and Toxics
- **Andrew Wynne**, Project Coordinator, USEPA Office of Pollution Prevention and Toxics
- **Tim Larson**, President, Ross Strategic
- **Martha Sheils**, Director, New England Environmental Finance Center
- **Laura Harwood**, Vice President, Eastern Research Group
- **Cena Swisher**, Senior Manager, Eastern Research Group

Pollution Prevention (P2) Environmental Justice (EJ) Facility Mapping Tool

[Tour This Tool](#) | [User Guide \(https://www.epa.gov/system/files/documents/2022-02/p2-ej-tool-guide.pdf\)](https://www.epa.gov/system/files/documents/2022-02/p2-ej-tool-guide.pdf)

Census Block and Facility Map

To select an entire geographic area, click the map once to bring up the lasso and circle selection features.



Facility Point layer
Census Block Group Area layer

Filters:

State

NEA Sector

NAICS Dril...

Map Legend

Percentile Colors

- US Percentiles
- 95 - 100 percentile
- 80 - 95 percentile
- 60 - 80 percentile
- 70 - 80 percentile
- 60 - 70 percentile
- 50 - 60 percentile
- Less than 50 percentile
- Data Not Available

EJ Metric (Percentile):

Demographic Index

People of Color

Low Income

Less Than HS Education

Linguistically Isolated

Scope:

US Percentile

State Percentile

Show a 60th Percentile?

Yes

Census Blocks

6,155

Facilities

2,093

Systems:

TRI

RCRA

GHG

NEI

Water

[Download Details](#)

Note: Depending on the number of census blocks and facilities in your selected state, there may be a significant delay in the redrawing of the map.

Downloadable Details Table: Hover your mouse over this table to reveal scrolls bars (at right and bottom) for viewing all columns and rows in this table.

State	US perce... Demo- Index	State perce... Demo- Index	Facility Name	Facility Street Address	Facility City	Facility ZIP Code	Region	Sector
Totals								
NC	63	62	ABERDEEN FABRICS, INC.	11548 US HWY 15-501 SOUTH	ABERDEEN	26315	04	Textile Mills
NC	12	7	CONCRETE SUPPLY CO., LLC - ABERDEEN	1250 HIGHWAY 5 WEST	ABERDEEN	26315	04	Nonmetallic Mineral Product Manufac
NC	63	62	ERICO INTERNATIONAL CORPORATION	108 CAROLINA RD	ABERDEEN	26315	04	Multiple
NC	68	67	OLDCASTLE LAWN AND GARDEN-ABER	107 RESERVATION RD	ABERDEEN	26315	04	Wood Product Manufacturing
NC	55	53	ASHLEY FURNITURE INDUSTRIES, INC. - ADVANCE FACILITY	333 ASHLEY FURNITURE WAY	ADVANCE	27006	04	Furniture and Related Product Manufa
NC	84	86	ENVIVA PELLETS AHOSKIE, LLC	142 N.C. RT 561 EAST	AHOSKIE	27910	04	Wood Product Manufacturing
NC	76	78	FREEMAN METAL PRODUCTS	2124 HIGHWAY 13 SOUTH	AHOSKIE	27910	04	Fabricated Metal Product Manufactur

P2 BIL Grants: Looking Ahead

Two additional, two-year P2 grant programs in FY 23 to focus more intensively on advancing environmental justice priorities (no specific NEAs):

- Grant #1: Leverage Toxic Release Inventory and other EPA reporting to identify businesses in overburdened and under-resourced communities and promote adoption of P2 practices in the sectors those facilities represent.
- Grant #2: Leverage EPA's P2 purchasing programs to increase institutional and consumer access to safer and more sustainable products in communities with environmental justice concerns.

Inflation Reduction Act

- SEC. 60116. LOW-EMBODIED CARBON LABELING FOR CONSTRUCTION MATERIALS (\$100 million): to develop and carry out a program to identify and label low-embodied carbon construction materials and products
- SEC. 60112. ENVIRONMENTAL PRODUCT DECLARATION ASSISTANCE (\$250 million): to develop and carry out a program to support the development, and enhanced standardization and transparency, of environmental product declarations for construction materials and products [through grants, technical assistance, and measurement/reporting of carbon footprint]
- Initial focus: concrete/cement, steel, asphalt, glass



Pollution Prevention Works:

A STORYTELLING CHALLENGE FOR STUDENTS

Tell a story about how a company that reports to the Toxics Release Inventory (TRI) has taken steps to reduce pollution.



Submit a video, infographics, story, or other creative format to win up to \$5000!
Open to high school, undergraduate, and graduate students.



Due by February 17, 2023



www.epa.gov/toxics-release-inventory-tri-program



Simeon Matthews

Industrial Hygienist,
Shakopee Mdewakanton Sioux Community

youtube.com/watch?app=desktop&v=XfHgOXfmszo

YouTube Search

Why Choose Safer Cleaning Products?



Hi, my name is Janet Haff.

0:03 / 11:33

CC Settings Full Screen

<https://www.youtube.com/watch?app=desktop&v=XfHgOXfmszo>



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