

# Environmental Measurement Data Dictionary

## Outcome Measures – Level 3

Category	Definition	Metric	Unit of Measure
Reduced Operating Costs	Financial savings derived from the outcome of implementing a P2 activity. (including materials, labor, energy, machinery, administrative, waste management, or other process costs)	Dollars	Dollars/year
Non hazardous materials	Process input supplies and feed stocks that are not toxic or hazardous. Examples include packaging, building materials, aqueous cleaners, etc.	Materials Reduced	Pounds/year
Non Hazardous Material – Recycled Content Material	Replacing virgin material with a recycled material to manufacture a new product by altering the physical form of an the recycled material and making a new product from the recycled material.	Materials Reduced	Pounds/year
Non Hazardous Material – Direct Reuse Material	An object or material used again, either for its original purpose or for a similar purpose, without significantly altering the physical form of the object or material.	Materials Reduced	Pounds/year
Non Hazardous Material – Recyclability of Material	Product or component of a product that can be diverted from the waste stream through available recycling infrastructure.	Materials Reduced	Pounds/year
Non Hazardous Materials - Renewable	Non Hazardous Materials - Renewable Materials Use - Non-hazardous, non-	Materials Reduced	Pounds/year

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Materials Use	renewable materials replaced with agricultural products, derived from both plant and animal sources, which take 10 years or less to harvest.		
Non Hazardous Material – Transport and Display Packaging	Packaging that is used to group secondary packaging together to aid handling and transportation and prevent damage to the products or for displaying products at the point of sale to the user or consumer.	Materials Reduced	Pounds/year
Byproduct Reuse	Industrial byproducts used as feedstocks in other products or processes, resulting in profitable conversion of byproducts that might otherwise become a waste to a resource, promoting sustainability.	Materials Reduced	Pounds/year
Organics Recycling	Organic waste diverted from the solid waste stream for the process of biological decomposition of materials into a soil amendment.	Organic Waste Recycled	Pounds/year
Hazardous Materials	Process input supplies and feedstocks that are toxic or hazardous. Examples include chemicals, solvents, pesticides, etc.	Hazardous Materials Reduced (Includes reduction from more hazardous to less hazardous)	Pounds/year
Hazardous Materials - Renewable Materials Use	Hazardous, non-renewable materials replaced with agricultural products, derived from both plant and animal sources, which take 10 years or less to harvest.	Materials Reduced	Pounds/year

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Hazardous Wastes	State and/or federally listed hazardous or toxic wastes or wastes meeting the criteria for ignitability, toxicity, corrosivity or reactivity.	Hazardous Waste Reduced (includes in-process recycling)	Pounds/year
Air Emissions (includes mobile sources, does not include Greenhouse Gases)	The release of any of the following: Toxic air emissions (includes CAA 112b HAP, TRI, and others) VOC's (carbon based compounds which are photo-chemically reactive (may be some double counting of HAP within VOC) Nitrogen Oxides (except N <sub>2</sub> O) Sulfur Oxides PM Other air emissions not included above	Air Emissions Reduced	Pounds/year
Greenhouse Gases	The release of those gases that, in an atmosphere, absorb and emit radiation in the thermal infrared range	Gas emissions reduced	Metric tons CO <sub>2</sub> e
Solid Waste	Wastes other than RCRA hazardous wastes	Solid Waste Reduced	Pounds/year
Energy	Energy is any source providing usable power	Energy Reduced	Specific to energy type such as therms or kilowatt hours
Green Energy	Energy produced from renewable sources such as solar, wind, geothermal, low-impact hydro, and biomass	Energy Generated Energy Purchased	Specific to energy type such as therms or kilowatt hours
Water Use	Incoming raw water, from outside sources, for operations, facility use and grounds maintenance.	Gallons of Water Reduced	Gallons/year

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Water Pollution (includes point sources, nonpoint sources, and stormwater)	Quantity of pollutant discharged (for example, BOD, COD, toxics, nutrients, TSS, contaminants in stormwater and pathogens. Includes discharges to sewer systems, septic systems, injection wells, ground water, etc.)	Pounds Reduced	Pounds per Year
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# Environmental Measurement Data Dictionary

## Behavioral Changes – Level 2

Metric	Definition	Unit of measure
Clients reporting adoption of P2 policies	Any P2 policy adopted by a client	Number of clients
People trained in P2 by clients	Any training provided by a client to others	Number of people
Clients developing environmental management systems (EMS)	Any client developing an EMS	Number of clients
Clients that have developed a P2 team	Any client creating a group whose stated purpose is to perpetually seek ways to reduce pollution.	Number of clients
Clients that have mapped their process/es	Any client who has diagramed all their waste streams and waste stream sources	Number of clients
Clients reporting compliance improvements	Numeric quantity of clients who came into compliance using a pollution prevention technique	Number of clients
Clients reporting that they implemented P2 suggestions	Any P2 opportunity actualized by a client as a result of one of your activities.	1) Number of clients 2) Number of suggestions
Clients reporting increased awareness and understanding of P2 opportunities	Any improvement by a client in comprehension and knowledge of P2 opportunities as a result of one of your activities.	Number of clients
Green Chemistry Alternative Assessments	Clients performing alternative assessments. An alternatives assessment is a method of research designed to identify and evaluate the safety of alternative chemicals when seeking substitutions for problematic chemicals in a product or process.	Number of clients
Clients Developing Sustainability Policies	Developing a policy designed to provide the basis for a socially, environmentally, and resource-responsible approach to business.	Number of clients

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Clients Developing Environmentally Preferable Purchasing Policies	Developing a policy designed to identify and encourage the purchase of products or services that have a lesser or reduced effect on human health and the environment when compared with competing products or services that serve the same purpose.	Number of clients
Green Chemistry Material Replacement	Any replacement of a more toxic to a less toxic chemical as the result of an alternatives assessment.	Number of clients
Company Sustainability Staff	Staff/management assigned the cross-disciplinary job of identifying and managing energy, water, materials and resources in order to improve economic, social and environmental viability.	Number of people

### Activity Measures – Level 1

Metric	Definition	Unit of Measure
Trainings, workshops, meetings, conferences and roundtables	Planned event drawing attendance from multiple facilities and designed to disseminate P2 information	Number of attendees
P2 Plans	A plan received by any program that requires businesses of a certain size or sector to proactively seek and report reductions of waste/pollution	Number of facilities participating in P2 planning
Site Visits	A visit made by a representative of an agency/organization to members of their client base. Impetus can be client request or agency/org. solicitation.	1) Number of visits 2) Site visit hours
Brief Assistance	A reply to any electronic or personal inquiry providing relevant P2 suggestions	Number of responses
P2 Information Developed	Any publication, paper or electronic, including but not limited to a handout, presentation, fact sheet, case study, pamphlet, manual, video tape, slide show, CD-ROM, web page or computer program etc., specifically designed in whole or in part and disseminated to inform clients about P2 opportunities.	Number of unique documents developed

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P2 Information Distributed	Any publication, paper or electronic, including but not limited to a handout, presentation, fact sheet, case study, pamphlet, manual, video tape, slide show, CD-ROM, web page or computer program etc., specifically designed in whole or in part and disseminated to inform clients about P2 opportunities.	Number of documents distributed
Grants Awarded	Any grant awarded, by a program or agency, to small businesses and others to support P2 activities	1) Number of grants awarded 2) Total amount of grant, including match
Web Visitors to Online Information	A visit to a website whose purpose is to disseminate P2 information, excluding internal website use as well as “spider” or “robot” activity. These visits are most commonly tracked as “page impressions”	1) User Sessions 2) Page Views (page impressions)
Award programs	Any program implemented with the stated goal of regularly providing recognition for successful pollution prevention activities.	Number of applications
Leadership programs	Any leadership program Any program implemented with the stated goal of regularly providing recognition for environmental leadership activities.	Number of participants

### Investment in P2 Activities

Metric	Definition	Unit of measure
1) Federal funds 2) State, local, non-profit and matching funds	Money received for pollution prevention programs and assistance	Dollars