

## *Environmental Performance Table*

The Environmental Performance Table (EPT) contains the set of environmental indicators and measurement units that Performance Track applicants and members use as the basis for creating environmental performance goals.

The EPT's content and format were informed by the Global Reporting Initiative's (GRI) *2002 Sustainability Reporting Guidelines*, the Facility Reporting Project's (FRP) *Draft Reporting Framework*, and the International Organization for Standardization's *ISO 14001: Environmental Management Systems – Specification with Guidance for Use* and *ISO 14031 Environmental Management – Environmental Performance Evaluation – Guidelines*. For information about GRI and FRP, see [www.globalreporting.org](http://www.globalreporting.org) and [www.facilityreporting.org](http://www.facilityreporting.org).

**Organization and terminology.** The EPT is organized into a hierarchy of groupings:

- **Life-cycle stages** reflect where in the life cycle of a facility's process a specific environmental impact occurs. The **upstream stage** contains those environmental impacts that occur before a facility's processes begin. Indicators within this stage's categories describe the environmental characteristics of the materials that you purchase from your suppliers or the environmental improvements that you caused in your suppliers' environmental performance. The **input stage** encompasses the impacts from resources (materials, energy, and water) that are added to processes at your facility. The **non-product output stage** includes the impacts from the outputs of your facility's processes, except for product and product-related materials such as packaging. The **downstream stage** includes the impacts from your facility's activities and decisions that occur after your processes. Indicators within this stage address the environmental characteristics of your products.
- **Categories** are groups of indicators related to a specific environmental impact.
- **Indicators** are the specific measurements of individual impacts that can be used to track and demonstrate improvement in that area. Each indicator is accompanied by one or more **measurement units** that may be used as the basis of reporting performance with respect to the specific indicator.

**Selection Considerations.** When developing your set of environmental performance goals, please follow these criteria for selection, measurement, and reporting:

- a. Select goals from a minimum of two different categories, with a maximum of two indicators per category.
- b. Use the indicators and the measurement units provided in this table. These indicators and measurements were chosen because they are common to widely-used reporting protocols. Additionally, standardized measures allow Performance Track to report on the progress of Performance Track participants as a group.
- c. All goals should reflect facility-wide measurements. For example, while a facility may focus its efforts to reduce solvent usage on one particular process, the reported measurement should be of the solvent's usage across the entire facility. Facility-wide measurements demonstrate that the facility is aware of its performance for this indicator across all of its activities and is therefore in the best position to identify the greatest opportunities to improve on this indicator. Facility-wide measurements also provide necessary context for the public.
- d. If the EPT includes the parenthetical "(total or specific)," you may choose to focus your goal on a specific subset of that indicator. For example, for VOCs, you might choose to report on

all (the total amount of) VOC emissions at your facility, or you might instead choose to report only on ethane. If the “total or specific” option is not noted for the particular indicator, then please provide total amounts.

- e. If you select an indicator that is currently regulated, then your goal must go beyond regulatory requirements.
- f. As a general rule, goals should relate to the life cycle of the facility’s products or services. (The facility’s administration, utilities, and grounds are considered part of this life cycle.) Some indicators do allow for projects that are outside of the facility’s normal operations, i.e., indicators in the Land and Habitat category. A facility’s set of goals is limited to one goal that is not related to the life cycle of its products or services.
- g. Ensure that there is no redundancy (“double-counting”) among the indicators that you have selected. In other words, avoid including the same performance information in more than one measurement. For example:
  - If you make a goal to reduce materials use and are considering the possibility of a goal to reduce non-hazardous waste, please determine whether the materials being considered for reduction are a significant component of the non-hazardous waste stream. If so, any reductions in the use of the material will result in reductions in non-hazardous waste, thus leading to double-counting. In that case, please avoid the selection of the non-hazardous waste goal in favor of another environmental category.
  - If you make a goal to reduce Total Materials Use, it would be redundant to also make a goal to reduce a specific material.
  - Since greenhouse gas emissions are largely the result of energy choices, in most cases the selection of goals to reduce energy use and to reduce greenhouse gases would lead to double-counting.

**Abbreviations.** The following abbreviations are used in the table:

|       |   |                                      |                     |   |                             |
|-------|---|--------------------------------------|---------------------|---|-----------------------------|
| Btu   | = | British thermal units                | MPN                 | = | Most probable number        |
| BOD   | = | Biological oxygen demand             | MTCO <sub>2</sub> E | = | Metric tons of              |
| CFU   | = | Colony forming units                 |                     |   | CO <sub>2</sub> equivalents |
| CO    | = | Carbon monoxide                      | MWh                 | = | Megawatt hours              |
| COD   | = | Chemical oxygen demand               | N                   | = | Nitrogen                    |
| dBA   | = | Decibels adjusted to                 | NO <sub>x</sub>     | = | Nitrogen oxides             |
|       |   | measure human response to sound      | P                   | = | Phosphorus                  |
| GHG   | = | Greenhouse gases                     | PM                  | = | Particulate matter          |
| kWh   | = | Kilowatt hours                       | SO <sub>x</sub>     | = | Sulfur oxides               |
| MMBtu | = | Million metric British thermal units | VOC                 | = | Volatile organic compounds  |

| Category                             | Indicator  | Units                                     |
|--------------------------------------|--|---|
| <b>Stage: Upstream</b>               |  |   |
| Material Procurement                 | Recycled content (Total or specific)   | Pounds, tons                              |
|                                      | Hazardous/toxic components (Total or specific)                                       | Pounds, tons                              |
| Suppliers' Environmental Performance | Any relevant indicators from the Inputs or Nonproduct Outputs stages                 | As specified for the particular indicator |
| <b>Stage: Inputs</b>                 |  |   |
| Material Use                         | Materials used (Total or specific)   | Pounds, tons                              |
|                                      | Hazardous materials used (Total or specific)   | Pounds, tons                              |
|                                      | Total packaging materials used   | Pounds, tons                              |
| Water Use                            | Total water used   | Gallons                                   |
| Energy Use                           | Total (non-transportation) energy use by fuel type                                   | kWh/MWh or Btu/MMBtu                      |
|                                      | Transportation energy use  | kWh/MWh, gallons, cubic feet              |
| Land and Habitat                     | Land and habitat conservation  | Square feet, acres                        |
|                                      | Community land revitalization  | Square feet, acres                        |
| <b>Stage: Nonproduct Outputs</b>     |  |   |
| Air Emissions                        | Total GHGs   | MTCO <sub>2</sub> E                       |
|                                      | VOCs (Total or specific)   | Pounds, tons                              |
|                                      | NO <sub>x</sub>  | Pounds, tons                              |
|                                      | SO <sub>x</sub>  | Pounds, tons                              |
|                                      | PM <sub>2.5</sub>  | Pounds, tons                              |
|                                      | PM <sub>10</sub>   | Pounds, tons                              |
|                                      | CO   | Pounds, tons                              |
|                                      | Air toxics (Total or specific)   | Pounds, tons                              |
|                                      | Odor   | European Odour Units                      |
|                                      | Radiation  | Curies, Becquerels                        |
|                                      | Dust   | Pounds, tons                              |
| Discharges to Water                  | COD  | Pounds, tons                              |
|                                      | BOD  | Pounds, tons                              |
|                                      | Toxics (Total or specific)   | Pounds, tons                              |
|                                      | Total suspended solids   | Pounds, tons                              |
|                                      | Nutrients (Total or specific)  | Pounds, tons of Total N or P              |
|                                      | Sediment from runoff   | Pounds, tons                              |
|                                      | Pathogens (Total or specific)  | MPN/ml, CFU/ml                            |
| Waste                                | Non-hazardous waste generation, broken down by management method (Total or specific) | Pounds, tons                              |
|                                      | Hazardous waste generation, broken down by management method (Total or specific)     | Pounds, tons                              |
| Noise                                | Noise  | dBA                                       |
| Vibration                            | Vibration  | Inches per second                         |
| <b>Stage: Downstream</b>             |  |   |
| Products                             | Expected lifetime energy use (Total or specific)                                     | kWh/MWh or Btu/MMBtu                      |
|                                      | Expected lifetime water use (Total or specific)                                      | Gallons                                   |
|                                      | Expected lifetime waste (to air, water, land) from product use (Total or specific)   | Pounds, tons                              |
|                                      | Waste to air, water, land from disposal or recovery (Total or specific)              | Pounds, tons                              |