

MRW East/West Side Meetings

September 27 and 28, 2006

www.ecy.wa.gov/beyondwaste

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30-Year Vision

We can transition to a society where wastes are viewed as inefficient and where most wastes and toxic substances have been eliminated.

This will contribute to environmental, economic and social vitality.

Beyond Waste Plan's 5 Key Initiatives

- Moving Toward Beyond Waste with Industries
- Reducing Small Volume Hazardous Materials and Wastes
- Increasing Recycling for Organic Materials
- Making Green Building Practices Mainstream
- **Measuring Progress Toward Beyond Waste**

Measure Progress Regularly

- Select long-term indicators
- Begin producing Beyond Waste progress reports (2006)
- Track specific indicators for each key initiative

Progress Report

Our Wastes: How much?

- **Industrial hazardous waste generation**
- **Solid waste generation**
- **Household and small quantity hazardous waste generation**

Our Risks: Risks from toxics and wastes

- **Toxic releases**
- **Ecological impacts***

Our Goals: Progress toward prevention and decreasing risk

- **Green building market share**
- **Recycling of hazardous wastes**
- **Recycling of solid wastes**
- **Recycling of organic wastes**
- **Sustainable products (basket of goods type index)***
- **Electronics recycling rate**
- **Economic vitality***

*** Those items with an asterisk will not be included in the 2006 progress report, but will be added in 2007.**

Progress Report

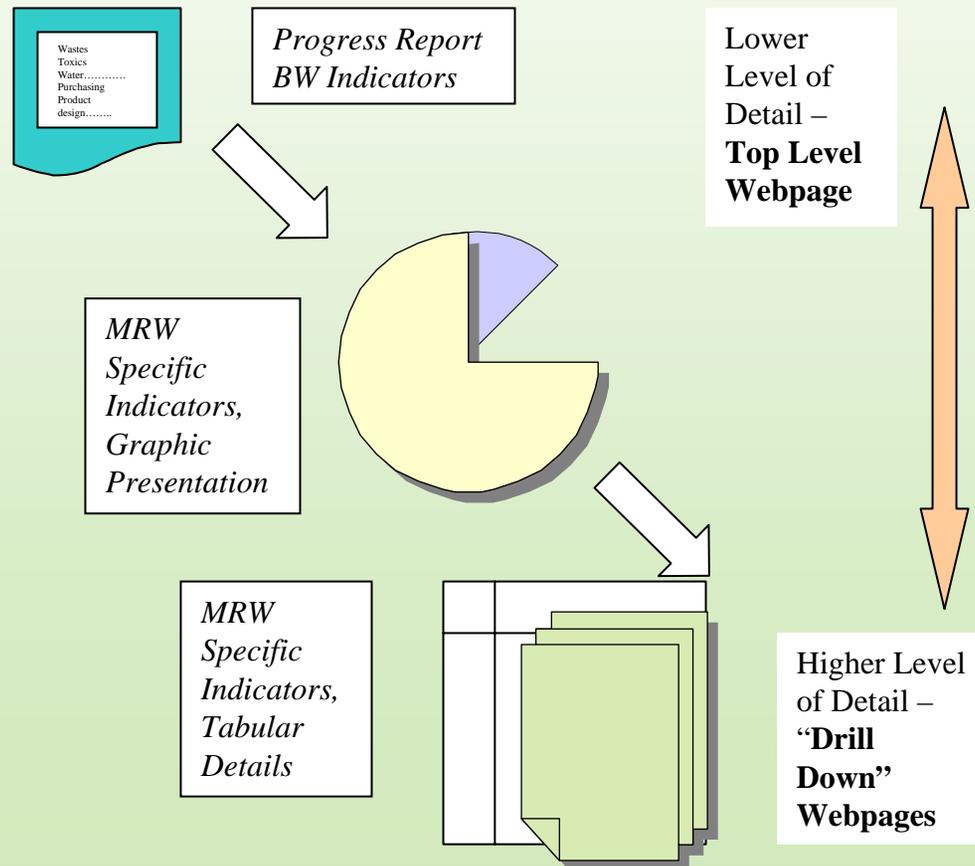
Additional layers/levels of data and information (to be included on the progress report website) could include:

- An explanation of how the indicator was calculated with graphics
- The amount of MRW collected by local government collection programs
- The amount of mercury “waste” captured

Additional graphics, databases, and tables showing some of the following:

- Number of mercury auto switches removed
- Number of mercury containing products collected by local government collection programs
- Number of manufacturer take-back outlets for various products

Web-Based MRW Specific Indicators “Progress Report” conceptual design



Focus On:

Measuring progress toward reducing small volume hazardous materials and wastes

By:

Developing specific MRW Performance Indicators

Development of MRW Performance Indicators

- Ideally have 2-3 Indicators to help track progress of the MRW Initiative.
- Difficult task – There are 10 different MRW recommendations making the selection of 2-3 indicators which reflect the overall MRW initiative difficult.

Development of MRW Performance Indicators

10 possible MRW indicators to consider:

- Change in ultimate disposition of MRW
- Number or percent of CESQG's receiving technical assistance
- Electronic recycling rate
- Mercury in biosolids
- Vacuum cleaner bag analysis
- MRW generated
- Recycled Content Paint (RCP) sales
- Change in amount of MRW disposed (load checking data)
- Change in amount of MRW disposed (waste stream sampling)
- Cost of disposal of MRW

Stakeholder/Audience Input July 2006

- 16 individual phone interviews were conducted
- 29 people attended 3 different focus groups
- The groups were made up of representatives from local and state governments, NGO's, environmental groups, and the waste industry

Focus Group & Phone Interview Results

- In general, the effort is moving in the right direction
- The indicators and the way they are presented need to resonate with the intended audiences.
- Organize indicators differently – not by initiative/overarching or industrial HW/MRW
- Simplify and clarify indicator titles
- Need to track more than waste and end-of-pipe indicators – include data on waste prevention, safer alternatives, product redesign, etc.
- Find a balance between positive and negative
- There was a high interest in relating indicators to human health
- Make the report straightforward and clear with only a few layers of detail.

Development of MRW Performance Indicators

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Development of MRW Performance Indicators

Reduced the number from 10 to 3 by applying the following criteria:

- Is data available and affordable now
- Does it resonate with the targeted public
- Does it answer what we want to know
- Can it be measured for 10 years

Development of MRW Performance Indicators

Currently considering the following 3 as possible MRW Indicators:

- MRW generated (includes MRW disposed, recycled, and diverted from disposal)
- MRW disposed of in landfills and incinerators.
- Electronics recycling rate

Questions/Comments

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