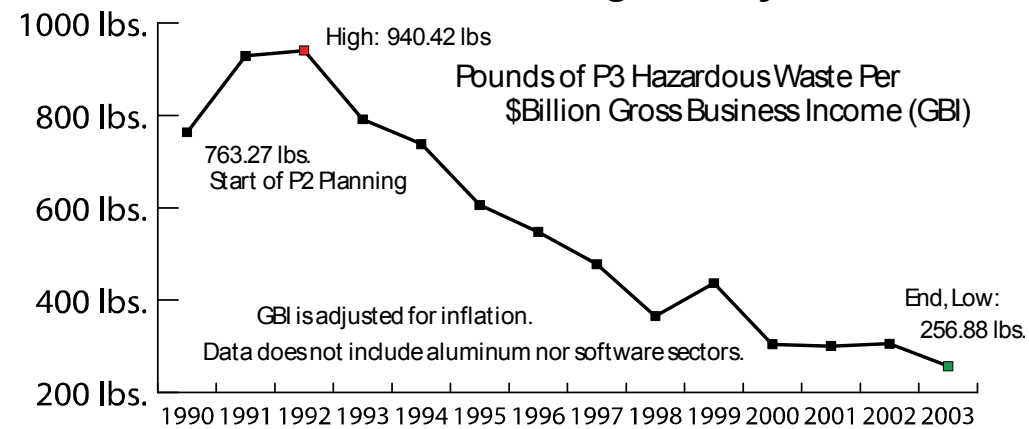




Beyond Waste Plan for Washington State

Pollution Prevention Planning for Beyond Waste



Beyond Waste 30-Year Vision

"We can transition to a society where waste is viewed as inefficient, and where most wastes and toxic substances have been eliminated.

This will contribute to economic, social and environmental vitality."

What is the Beyond Waste Plan?

The **Beyond Waste Plan** is an integrated statewide hazardous- and solid-waste plan for Washington, aimed at reducing most toxins and waste in one generation. What were wastes will be resources.

Scoping began in 2000, and the plan was finalized in November of 2004. The Washington State Legislature contributed ~\$3 million for first-steps implementation.

The Plan contains seven initiatives with 64 actions with five-year milestones. Initiatives are summarized on page 2.

Success relies on partnerships. The plan was written and will be implemented collaboratively.

Hazardous Waste Reduction Act of 1990 (current law)

The Hazardous Waste Reduction Act (Chapter 70.95C RCW) authorized Ecology's Pollution Prevention Planning program. This act established state policies and goals that encourage the reduction of hazardous substance use and hazardous waste generation. Under this law:

- Facilities that generate 2,640 lbs or more of hazardous waste per year or facilities required to report under the federal law called the "Emergency Planning and Community Right-to-Know Act" (EPCRA) must prepare a Pollution Prevention Plan.
- Pollution Prevention (P2) Plans must include a description of the facility, the processes used and the products or services provided. P2 Plans are five-year plans that must also identify hazardous substances used and hazardous wastes generated.
- The focus of P2 Plans is the identification and evaluation of all reasonable opportunities for reductions in the use of hazardous substances and the reduction, recycling and treatment of hazardous substances. The plan must also list those opportunities selected for implementation, performance goals for the five-year plan, and an implementation schedule.
- Annual Progress Reports providing information on the progress made in implementing the plan must be submitted to Ecology and the five-year plan must be updated at the end of the five year cycle.

What's next?

Pollution Prevention Planning Options

The Options-Based Pollution Prevention Planning contract will pilot seven options with Washington facilities:

1. Industrial Footprint (based on Global Reporting Initiative)
2. Environmental Management System hybrid
3. Lean Manufacturing
4. Baldrige National Quality Award
5. Process Mapping/ Systems Approach
6. Eco-mapping
7. Facility Reporting Project

Contacts and resources

The Beyond Waste Web site:
<http://www.ecy.wa.gov/beyondwaste/>

Washington State Department of Ecology Contacts:
Statewide Hazardous Waste Plan contact:
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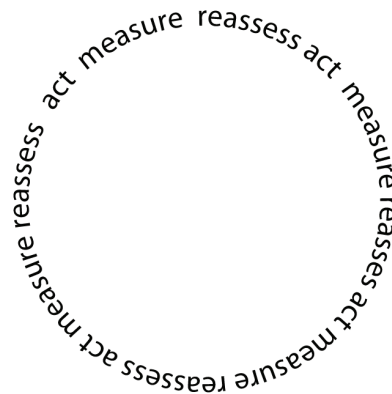
Statewide Solid Waste Plan contact:
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Beyond Waste Sector Outreach:
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Southwest Regional Office Toxics Reduction Engineer:
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The first steps Beyond Waste

- Planners prioritized by:**
- **Volume and significance or risk of waste streams**
 - **Opportunities to leverage existing momentum**
 - **Connection with other initiatives and possibility of synergistic results**
 - **Stakeholder input**



- ## Beyond Waste Initiatives
- **Move toward Beyond Waste with industries**
Focus on adapting previous success with sectors, P2 Planning program, voluntary incentive programs and more.
 - **Reduce small-volume hazardous materials and wastes**
Prioritize substances, including current persistent biotoxins, paint, pesticides. Support moderate-risk-waste facilities with in updating their plans, managing according to risk, etc.
 - **Increase recycling for organic materials**
Increase residential and commercial composting, and lead by example in state government. Develop strategies for increasing, improving and marketing organic residuals
 - **Make Green Building practices mainstream**
Promote and incent green-building projects in government and residential buildings Expand recycling capacity, access to resources, and encourage innovative design.
 - **Measure progress toward Beyond Waste**
Develop indicators to track the movement Beyond Waste. Both overarching sustainability indicators and specific Beyond Waste measurements will be developed and collected.
 - **Deal with current issues in hazardous waste**
Continue Pollution Prevention Planning improvements and compliance with dangerous-waste regulations. Deal with current and legacy treatment, storage, and disposal facilities.
 - **Deal with current issues in solid waste**
Continue work with local governments' planning guidelines. Plan for recycling and technical-nutrient cycles. Evaluate financing for solid-waste systems and work with current and defunct land-fills to prioritize compliance and clean-ups.

- ## The Beyond Waste Contracts
- **Financial Incentives Toolbox**
Assist WA businesses in securing affordable financing or improved equipment and other capital expenditures that will reduce the amount of hazardous waste produced and toxics used in manufactured products.
 - **Data Indicators Prototype Development**
After internal research on the feasibility of possible overarching indicators (body burden, material flows, green jobs, etc.) has been completed, a contractor will be hired to develop 2 to 3 prototypes. A contractor will also be used to facilitate stakeholder input and peer review.
 - **Toxic Reduction Incentive Program (TRIP)**
Develop a statewide multitiered incentives- based leadership program where all parties are working to improve environmental quality.
 - **Options-based P2 Planning**
Pilot different alternatives to the current P2 Planning Law at seven different facilities. SEE page three.
 - **Improve P2 Plan quality**
Develop training and tools to encourage P2 planners to reduce toxics and wastes, including software to audit P2 plans, needs assessment and prototype for Turbo Plan, and develop screening techniques on how to conduct inventory of hazardous substances.
 - **Lean and Wheat Stubble Pilot Projects**
Work in conjunction with Washington Manufacturing Services (WMS) to pilot adding an environmental emphasis to Lean Manufacturing practices and tools at three manufacturing facilities. Changes will be measured and information will be added to the Environmental Protection Agency toolkit. This project is also using EPA grant monies. The wheat stubble project will assist alternative paper production in Eastern Washington.
 - **Environmentally Preferable Purchasing**
Identify toxins in products, suggest alternatives, and offer training on how to purchase Environmentally Preferable Products (EPP). Contractor will hold workshops for purchasing officials on toxins in products and will develop an interactive Web site for purchasers.
 - **Transfer Efficiency For Auto Body Painters**
This contract will enable the implementation of the Spray Technique Analysis and Research (STAR) training in Washington. STAR training provides spray painters in the auto body and repair industry with skills to use less paint. There will be three vocational-technical schools involved with training students and working painters.
 - **Web design and development**
A contractor is being hired to conduct a usability audit, redesign our Web site, and then test for usability.
 - **Web content update**
Develop content for expanded toxics reduction and waste management Web site and train staff to provide clear Web content.