

## What we will cover:

- ▶ Start with a quick overview;
- ▶ Focus on Beyond Waste Add (hiring plan and contracts overview);
- ▶ Narrow to key contract deliverables; and
- ▶ End with a look at Beyond Waste performance measures

# Overview of Beyond Waste

## What is the Beyond Waste Project?

A 30-year statewide plan to:

- Decrease solid and hazardous waste
- Increase recycling and reuse
- Reduce the use of toxic substances
- Properly manage remaining wastes
- Be consistent with state law...

## Five Key Initiatives

1. Industry's toxics
2. Small business and household toxics
3. Green building
4. Organics
5. Measure progress

## The Beyond Waste 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.*

## The Beyond Waste Plan Format

- 30-year vision
- 30-year goals by initiative
- 5-year milestones
- 5-year recommendations
- First-year starting point recommendations

# Budget Add Overview

## Beyond Waste FTEs

**Sector Education, EEOS1** – *hired summer/2005*

**P2 Coordinator, ES5** – *hired summer/2005*

**Data, ES5** – *hired January 2006*

**Sector Lead, ES5** – *hiring January 2006*

**Haz. Substance Education Office, EEOS4** –  
*hire by end of February 2006*

**4 out of 5 FTES hired by 2/28/2006**

## Deliverables for Sector Contracts

- A strategy to develop new financial incentives
- A statewide recognition program
- At least three facilities trained to use Lean Manufacturing as a waste reduction tool
- A model Environmental Results Program (ERP) with sector-specific training

## Budget Add Points

- Eleven original contract buckets at approximately \$100,000 each.
- One third of the “contract” work is being done in-house
- Hiring was purposely staggered.
- The budget add – only a part of Beyond Waste implementation.

## Deliverables for Other Contracts

- New success measures for Beyond Waste
- Stakeholder supported recommendations for next generation P2 planning program
- Tools to help state and local government “buy green”

**All deliverables due June 30, 2007**

**Total Cost: \$1,550,000**

# Past, Present and Future Sectors

## Past Sector Work

- Shop Sweeps, Snap Shots
- Quick visits to shops
  - To explain compliance requirements
  - To encourage a few easy P2 opportunities
- Industry liked
- It got results – 85-90% voluntary compliance

## Sector<sup>2</sup> Concept

- Requested by IBA and AWB
- Incentives- based
- Ecology sets the bar and asks industry what it would take to get there
- Industry may want innovation, flexibility or time
- More emphasis on source reduction and sustainability

## Recent Sector Work

- Cleaner Production Challenge (CPC)
  - Resulted in a 10-25% reduction in wastes for participating companies
- Mercury
  - Dental MOU – 90-95% voluntary compliance
  - Hospital MOU (Signed December 2005)
  - Auto recycler MOU (Signed January 2006)

## Future Sector Work

- Plan's short list: mercury, PBDE, general government with emphasis on greenhouse gases, PBTs and green purchasing
- Business associations' recommendations: auto-body shops, cabinetmakers, and fiberglassers
- PBT chemical action plans – next 3 chemicals identified by June 2006

# Budget Adds Outcomes

## **Sector<sup>2</sup> Model**

**We are packaging a variety of tools** to implement the sector<sup>2</sup> concept (financing options, recognition programs, incentives, training, and revised Web information)

**So that:** Industries have incentives and information to be able to reduce wastes and toxics

**So that:** Wastes and substances used by sector industries will be significantly reduced

## **Lean Manufacturing Pilot Project**

**We are adding an environmental emphasis to Lean** at three manufacturing facilities in WA

**So that:** Lean can be tested as an effective environmental tool for Beyond Waste and staff can be trained to use it

**So that:** More manufacturing facilities in WA use Lean to reduce wastes and save money

## **Environmentally Preferable Purchasing (EPP)**

**We are developing a Web-based EPP toolbox and workshops** on buying less toxic products

**So that:** More local government and state agencies know how to purchase less toxic products

**So that:** Fewer toxic products are purchased

## **Next Generation P2 Planning**

**We are developing stakeholder-supported recommendations** for next generation P2 planning program

**So that:** Toxicity is addressed in P2 plans and P2 plan implementation is enhanced

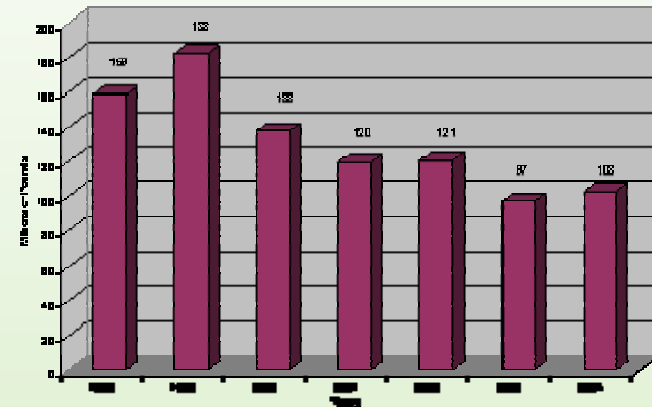
**So that:** More hazardous substances are identified & more plan implementation occurs

**So that:** Fewer hazardous substances are used in manufacturing processes and less hazardous waste is created in the first place

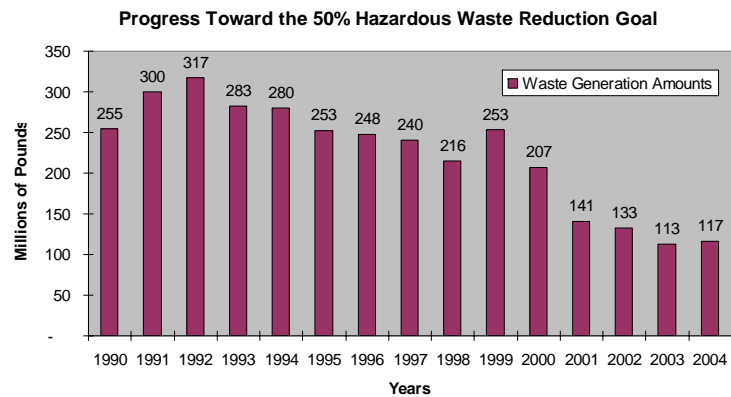
# Performance Measures



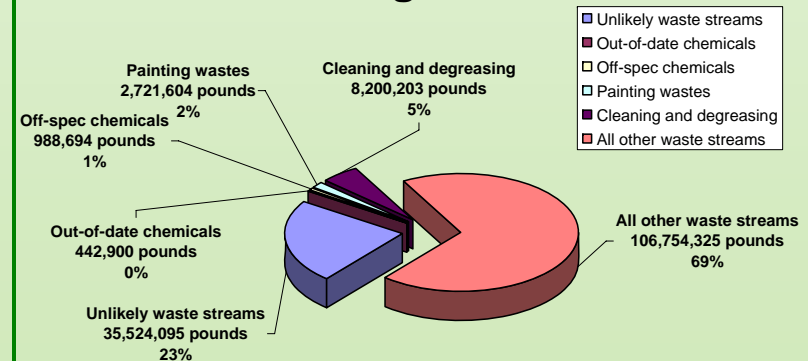
## Manufacturing Sectors 1998-2004



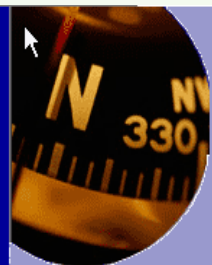
## How we measured progress in past



## Looking Closer at the Manufacturing Sector -- 2002



# Beyond Waste Report Card



## Beyond Waste Report Card

What is an indicator?
Economic/ social
Health/ environmental
Risks from toxic releases
Hazardous waste generation and management
Solid waste management and disposal
SQ hazardous waste
Green building
BIG
HOME

### The BIG Project

Legend	+ Positive Trend	- Negative Trend	o Undetermined Trend	Overall Trend
1.	An overarching indicator: economy and social* (Economy)			?
2.	An overarching indicator: health and environmental* (Pollution)			?
3.	<a href="#">Risks from Toxic Releases</a>			?
4.	Hazardous waste <a href="#">generation</a> and <a href="#">management</a>			?
5.	Solid waste <a href="#">management</a> and <a href="#">disposal</a>			?
6.	Small quantity hazardous waste generated from households and small businesses			?
7.	<a href="#">Green building</a> compared to regular building			?
			<b>Overall grade point average</b>	?

\* Use Cascadia's indicators including one on body burden until someone comes up with better indicators.

# Looking Closer at the Manufacturing Sector - 2002

