

# **Beyond Waste Plan 2009 Update**

## **The Final Update... or *Are We Done Yet?***

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## ***Vision Statement:***

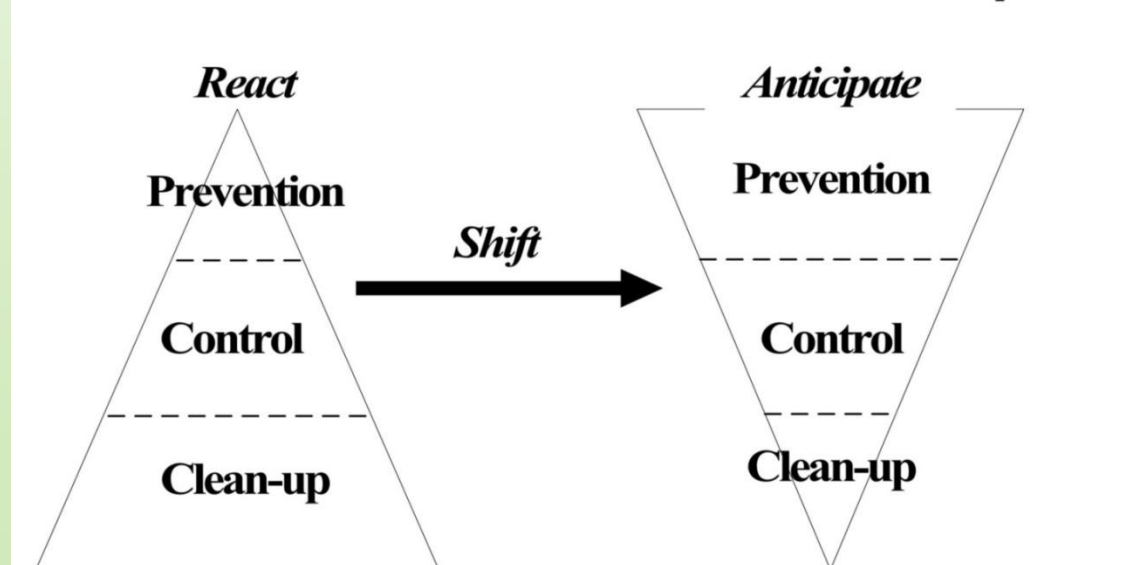
***We can transition to a society where wastes are viewed as inefficient and most wastes and toxic substances have been eliminated.***

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

# Why Beyond Waste?

Because avoiding wastes and the use of toxic chemicals is the smartest, cheapest, and healthiest approach.

## **Pollution Prevention Entails A Shift In Emphasis**



# Beyond Waste Plan

- Statewide solid and hazardous waste plan
- Adopted in 2004; Update in 2009
- **Initiatives**
  1. Industries
  2. MRW
  3. Organics
  4. Green Building
  5. Measuring Progress

**Also** Hazardous and Solid Waste Issues



# Progress on the 2004 Beyond Waste Milestones

Of 74 milestones: 25 were accomplished; progress made on 38

Beyond Waste Section / (Number of milestones)	Achieved to Date	Significant or Some Progress
Industries Initiative (14)	4	10
MRW Initiative (10)	2	6
Organics Initiative (10)	4	6
Green Building Initiative (11)	7	2
Measuring Progress Initiative (4)	4	--
Hazardous Waste Issues (10)	2	6
Solid Waste Issues (15)	2	8
<b>Total (74)</b>	<b>25</b>	<b>38</b>

# Achievements: the First Five Years

- **A Few Highlights:**

- Green building law for public buildings
- E-Cycle Washington = product stewardship
- Composting at government buildings
- PBDE Chemical Action Plan and legislation
- Mercury Chemical Action Plan implemented for hospitals, auto switches and lamps; less mercury is in the environment
- 50% reduction in business hazardous waste generation



# Summary of Update Process

- Assessed progress. Changes were proposed:
  - Where original work was accomplished
  - Where little or no progress was made
  - Where new directions were needed
- Staff, management, SWAC input at many stages
- Public input was solicited in March of 2009
  - 20 commenters from local, state govts, environmental orgs.
  - Most comments were supportive. Changes made:
    - Additional focus on prevention and product stewardship
    - More measurements and clarity in timelines and roles

# What's New for the 2009 Update?

- Better incorporate State / Ecology Priorities:
  - Climate Change, Protecting Washington Waters and Reducing Toxic Threats
- New Implementation Plan: 3 parts for 3 audiences
  - 1) Relationship with agency priorities
  - 2) Role for local governments
  - 3) Main implementation strategy table
- Some new and improved Recommendations and Milestones



# Changes by the Numbers

2009 Plan Update	Recommendations	Milestones
Removed	12	15
<b>New</b>	<b>19</b>	<b>39</b>
<b>Changed</b>	<b>6</b>	<b>15</b>
<b>Unchanged</b>	<b>46</b>	<b>40</b>
<b>Total</b>	<b>71</b>	<b>94</b>
Total from 2004 plan	64	73



# Industries Initiative Changes

- Align more with MRW Initiative.
- More comprehensive approach to reducing toxics:
  - Less emphasis on sector campaigns
  - More emphasis on product stewardship
  - Main focus will be on chemicals of concern and safer alternatives
- New milestones on:
  - Toxics in stormwater
  - Education on toxics in products
- Implementation includes
  - As a starting point ,work on safer alternatives to toxic metals.



# MRW Initiative Changes

(Reducing Small Volume Hazardous Materials and Waste)

- Align more with Industries Initiative
- More comprehensive approach to reducing toxics:
  - More emphasis on product stewardship, prevention
  - Less emphasis on chemical by chemical approach
- New Milestones on:
  - Regional approach to MRW management
  - Education on toxics in products
- Implementation includes:
  - Work on Children's Safe Products Act list
  - Support EPP legislation as per the Climate Action Team recommendation



# Organics Initiative Changes

- Only milestones were modified or added
  - Recommendations stayed the same
- New Milestones on:
  - Hierarchy for organics management (with stakeholder input)
  - Food waste prevention
- More emphasis on:
  - Bio-mass to energy (hierarchy will play a role)
- Implementation includes:
  - Education to increase recycled organic quality
  - Address regulatory barriers



## Green Building Initiative Changes

- Only milestones were modified or added
  - Recommendations stayed the same
- New Milestones on:
  - Living Building Standard
  - Low-Impact Development
  - Energy efficiency
- C&D waste and recycling infrastructure
  - Building reuse, salvage, and diversion credits
- Implementation includes:
  - Educational programs in trade schools and colleges



## Measuring Progress Initiative Changes

- ALL new recommendations and milestones
  - All the original ones were accomplished!
- Evaluate and improve existing indicators
  - Develop goals for indicators
  - Update & enhance the Consumer Environmental Index (CEI)
  - Waste characterization studies every four years
- Expand publicity for the Beyond Waste progress report
  - Tie progress report to staff work plans and other agency measures
- Include more role for locals in data collection and measuring progress



# Hazardous Waste Issues Changes

- Encourage broader P2 plans:
  - Address energy management, EPP, solid waste and water reduction, in addition to hazardous waste
- Increase focus on
  - Safe management of SQGs
  - TSD's permitted in part by local government
- Continue work with EPA
  - Environmental Results, Envirostars, and 2020 clean up deadline for corrective action sites
- Implementation Includes:
  - Focus on reducing toxic metals
  - Build on local source control and urban waters assistance

## Solid Waste Issues Changes



- New milestones on:
  - Education and Packaging Reduction
  - Also added 30-year goals (year 2035)
- More emphasis on:
  - Waste reduction, recycling and technical nutrient cycle
  - Closed & abandoned landfills
- Continue work on:
  - Financing work
  - Local planning: with a more comprehensive approach
- Implementation includes:
  - Recycling infrastructure mapping
  - Regulatory barriers

# Next Steps

- Ecology management approval granted in August
- **SWAC approval today?** (if not, need plan B...)
- Final editing
- Website update
- **Idea: BW “Launch” event in November...**
- All done Dec, 2009!



# It's About More Than Just Waste

- It's also about:
  - Climate Change
  - Reducing Toxic Threats
  - Protecting Washington Waters
  - Green Jobs and a Green Economy



**Thank You!**

**Questions?**

**Beyond Waste Website: [www.ecy.wa.gov/beyondwaste/](http://www.ecy.wa.gov/beyondwaste/)**