



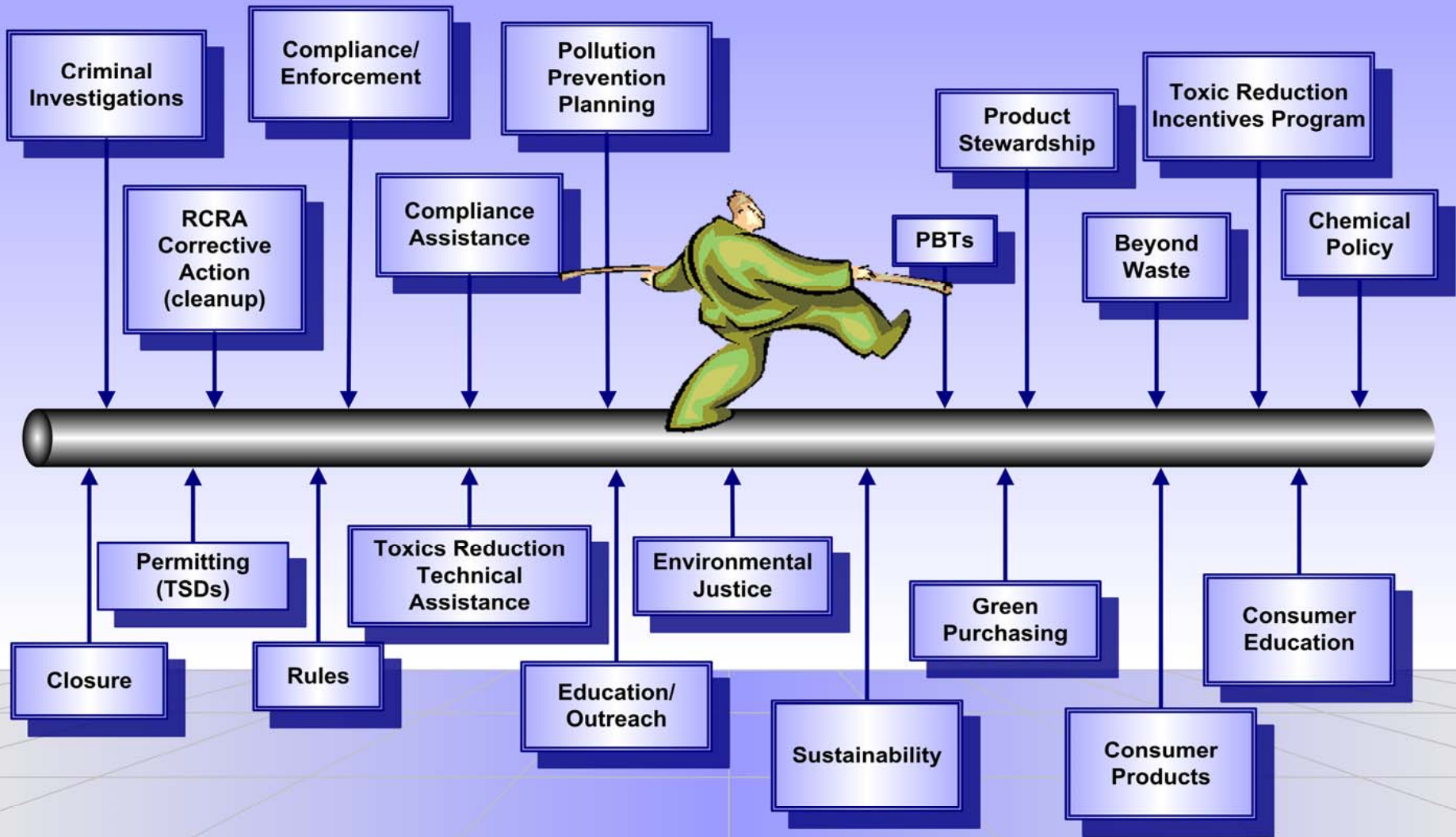
**Toxics Reduction
Advisory Committee**

Orientation and Purpose

**Darin Rice, Manager
Hazardous Waste & Toxics Reduction
Program**

June 23, 2008

Hazardous Waste & Toxics Reduction Continuum





Toxics Reduction Advisory Committee Budget Proviso

\$80,000 of the state toxics control account-state appropriation is provided solely for the department to create a stakeholder advisory committee. The committee shall:



Toxics Reduction Advisory Committee Budget Proviso, continued

1. Review and develop recommendations to help businesses achieve a **50% toxics use reduction** goal.



Toxics Reduction Advisory Committee Budget Proviso, continued

2. Review and make recommendations to improve the effectiveness and delivery of technical assistance in pollution prevention planning.



Toxics Reduction Advisory Committee Budget Proviso, continued

3. Develop recommendations for strategies to encourage **moving away from "end-of-pipe"** pollution reduction approaches to increase hazardous waste prevention throughout the state.



Toxics Reduction Advisory Committee Budget Proviso, continued

4. Review and make recommendations on **revising the hazardous waste planning fee** under RCW 70.95E.030, including opportunities to provide **incentives** that reward businesses for toxics use reduction successes in meeting a 50% toxics use reduction goal.



Toxics Reduction Advisory Committee Budget Proviso, continued

5. Report its findings and recommendations to the fiscal and policy committees of the senate and house of representatives by **November 1, 2008.**



Scope of Committee

50% Toxics Use Reduction Goal

- Focus is on continuous improvement toward toxics use reduction
- Less of a focus on the specific goal
- “Use” vs. “waste”



Scope of Committee, continued

Focus is on “Pollution Prevention Planner” universe

- Toxics are used throughout society
- Focus of this effort is on the largest users of toxics (~ 600 P2 Planners)



Scope of Committee, continued

Charge 1: Improving technical assistance

- Which tools will most improve the effectiveness of technical assistance with an increased emphasis on toxics use reduction?



Scope of Committee, continued

Charge 2: New strategies and approaches

- What planning options should exist for facilities with advanced approaches to environmental management?
- Should a TURI-like program be established in Washington?



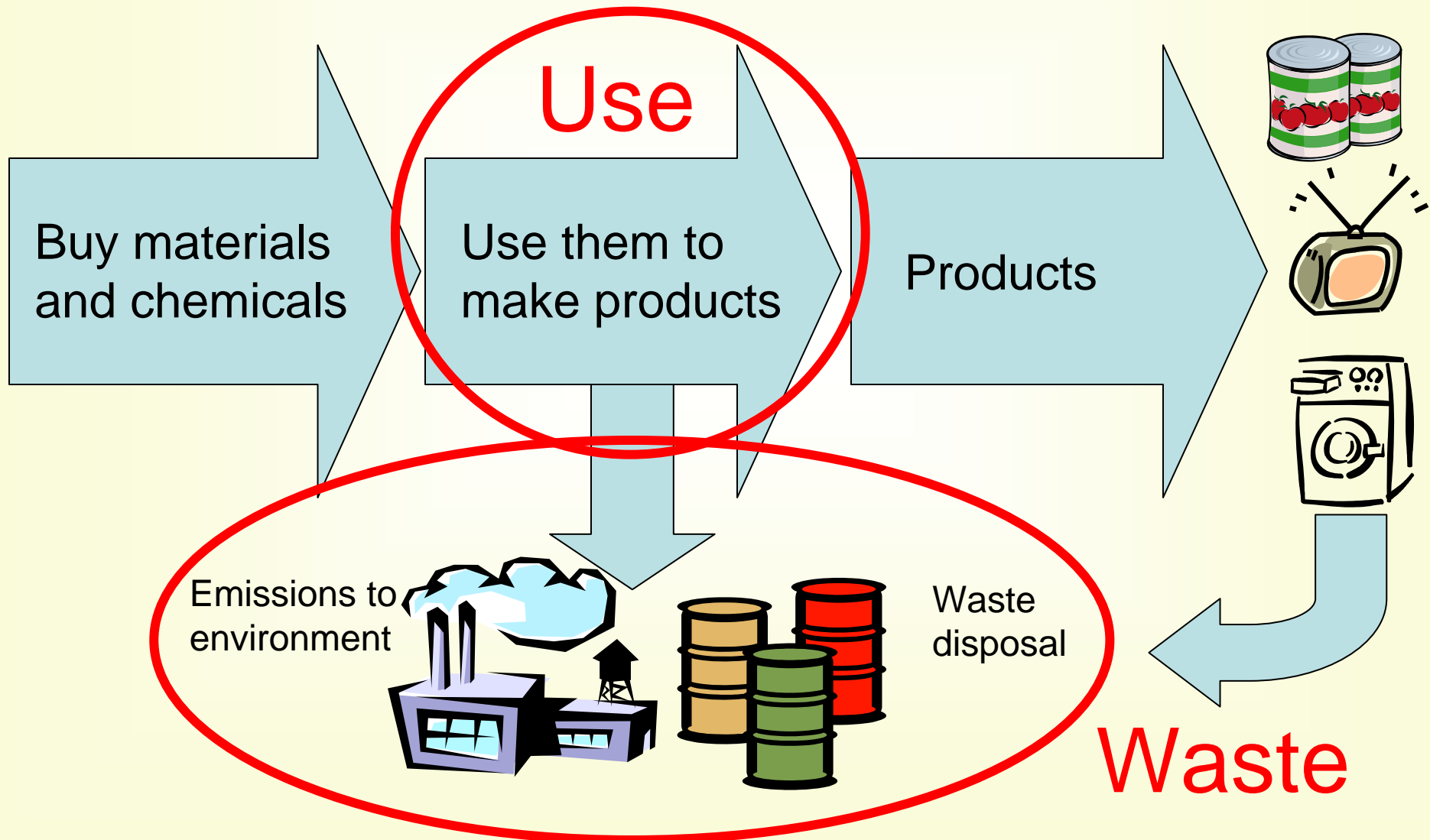
Scope of Committee, continued

Charge 3: Hazardous waste planning fee

- How can the fees be made more equitable?
- How can the fees be structured to provide incentives for toxics use reduction?
- Should the fees be based on toxics used rather than wastes generated?

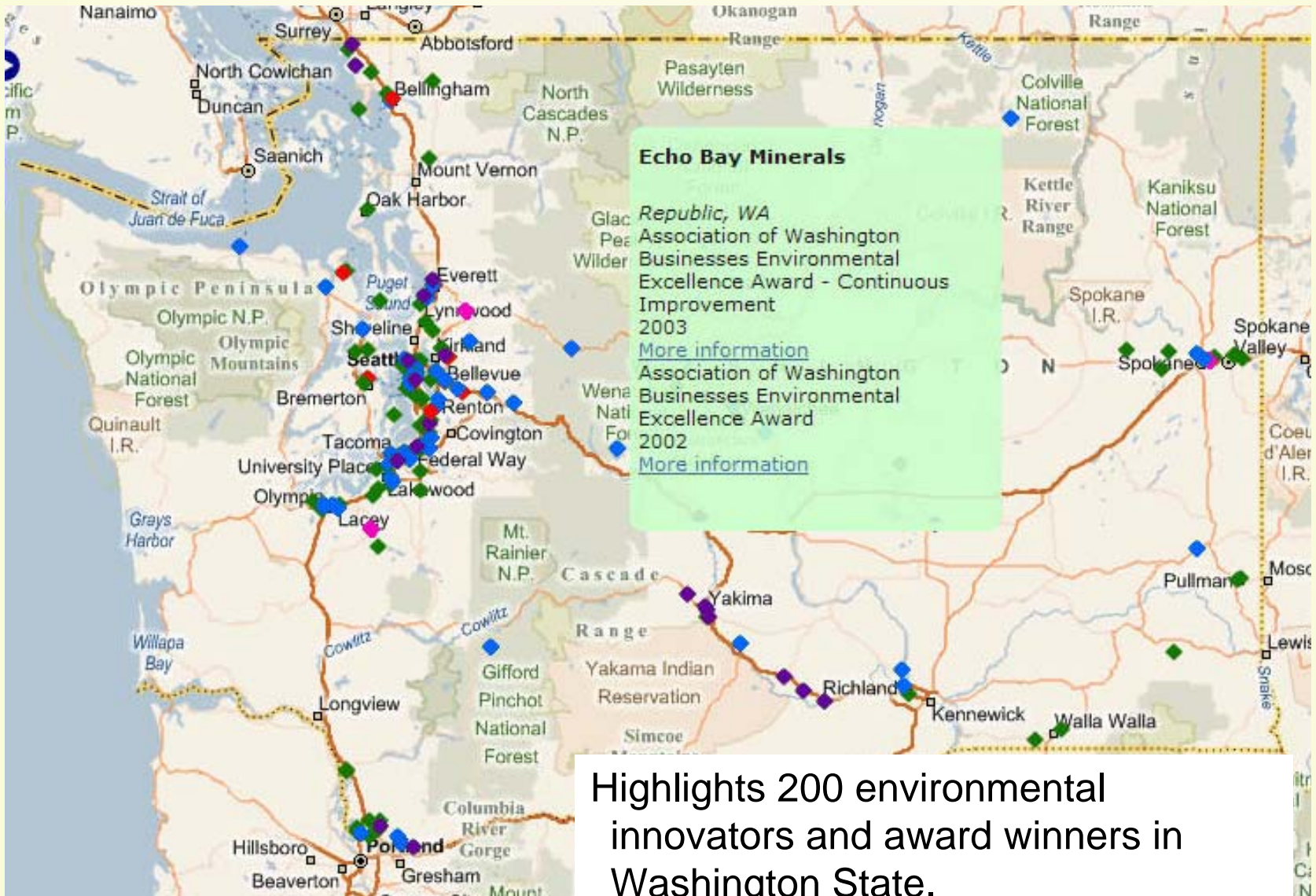


Toxics “Use” vs. “Waste”





**Toxics reduction and
competitiveness
are not mutually exclusive.**





Toxics reduction examples

- Walmart: new "Preferred Chemical Principles" policy; won't sell baby bottles made with bisphenol A
- Kaiser Permanente: reducing reliance on carcinogens and reproductive toxicants
- Herman Miller: new product design process; zero hazardous waste/emissions by 2020
- Dell: phased out PBDEs, created Chemical Use Policy
- SC Johnson: Green List



Bi-O-Kleen Vancouver WA

“Bi-O-Kleen in Vancouver manufactures non-toxic cleaners and detergents from soy and citrus extracts. ...Bio-O-Kleen has an Official Formulatory Partnership through EPA's Design for the Environment.”

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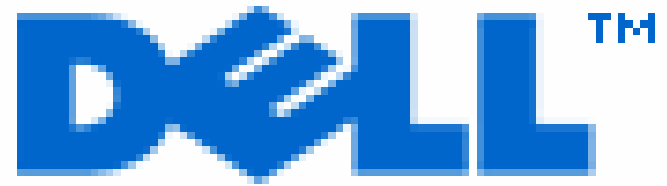
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Interface Carpets

“Interface is committed to going beyond environmental compliance. In 1996, the Toxic Chemical Elimination Team was formed to eliminate the use of toxic chemicals at all of our manufacturing facilities.”





“As evidenced through "green" procurement policies and emerging European legislation such as Registration, Evaluation and Authorisation of Chemicals (REACH) and Energy Using Products (EuP), the global marketplace is increasingly demanding product environmental improvements, as well as increased access to environmental information that relates to the product life cycle.”

--Dell “Design for the Environment” statement

Machine coolant reformulation: free of persistent chlorine compounds

- “...easier disposal...” (not WA Extremely Hazardous Waste)
- “Operator friendly”

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*Total Process Integration Through
Specialty Formulated Chemistry*



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NuKut SO 15 P – without Chlorine & Sulfur

Soluble cutting oils: Fluids for a variety of metalworking applications like CNC machining, drilling, grinding, honing, milling, sawing and turning, Screw Machines.

Applications: NuGeneration Technologies' NuKut lines of soluble oil metalworking fluids are designed to assist in many metal cutting and machining operations on ferrous, non-ferrous, and specialty alloys including aluminum. Non-chlorine, non-sulfur, non-phenol and non-nitrate based fluids with propriety extreme pressure lubricants allow for easier disposal over chlorinated and sulfonated products.

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NuKut SO 15 P Biostable Heavy duty Soluble oil with no active chlorine, sulfur or phenol. Resists bacterial and fungal growth, rancidity and foul odors. Excellent for all metals including titanium. With a proprietary E.P. additives and highly refined mineral oil, which leave a protective film on machine slides, ways and fixtures.



Benefits:

- Low foaming
- High lubricity
- Excellent surface finishes
- Improved sump life
- Improved tool life
- Excellent corrosion protection
- Operator friendly
- Mild odor
- Hard water stable
- Easy to clean



Summary

- Job of the committee is to provide recommendations on how to achieve toxics use reduction in Washington
- Recommendations can include internal changes or legislative actions