



Association of Oregon Recyclers Annual Conference

DEQ's Draft Waste Prevention Strategy

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Outline of Today's Session

Background

- Why a DEQ Waste Prevention Strategy?
- How has it been drafted?
- How and when will it be completed, and implemented?

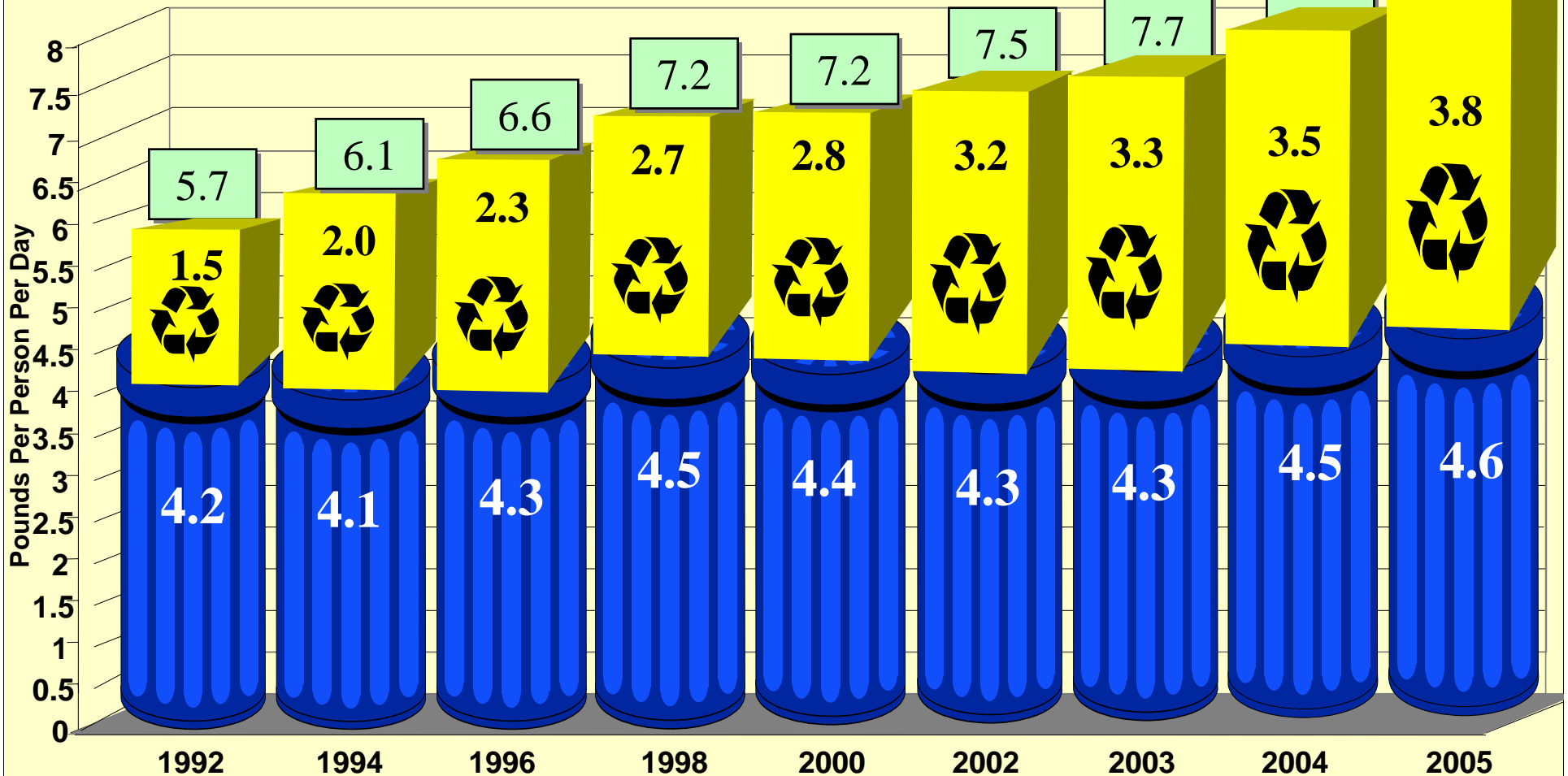
What's in the Draft Strategy?

- Guiding principles
- Four focus areas

How should DEQ stage/phase implementation?

Recycling is Up in Oregon, But So is Waste Generation

*Total Solid Waste Disposed, Recovered & Generated
Pounds Per Person Per Day 1992 - 2005*



Key

0.0 = Generated



= Recovered



= Disposed

Recovery + Disposal = Generation



Oregon's Statutory Generation Goals

Generation Goals

Generation = all discards

- No increase in per-capita waste generation in 2005 and subsequent years.
- No increase in total waste generation in 2009 and subsequent years.



Waste Prevention: Statutory and Policy Authority

- ORS 459.015(1): conserving resources and energy
- ORS 459.015(2): waste management hierarchy
- ORS 459.025: general powers and duties
- ORS 459A.010: statewide waste generation goals; “2% recovery rate credits”

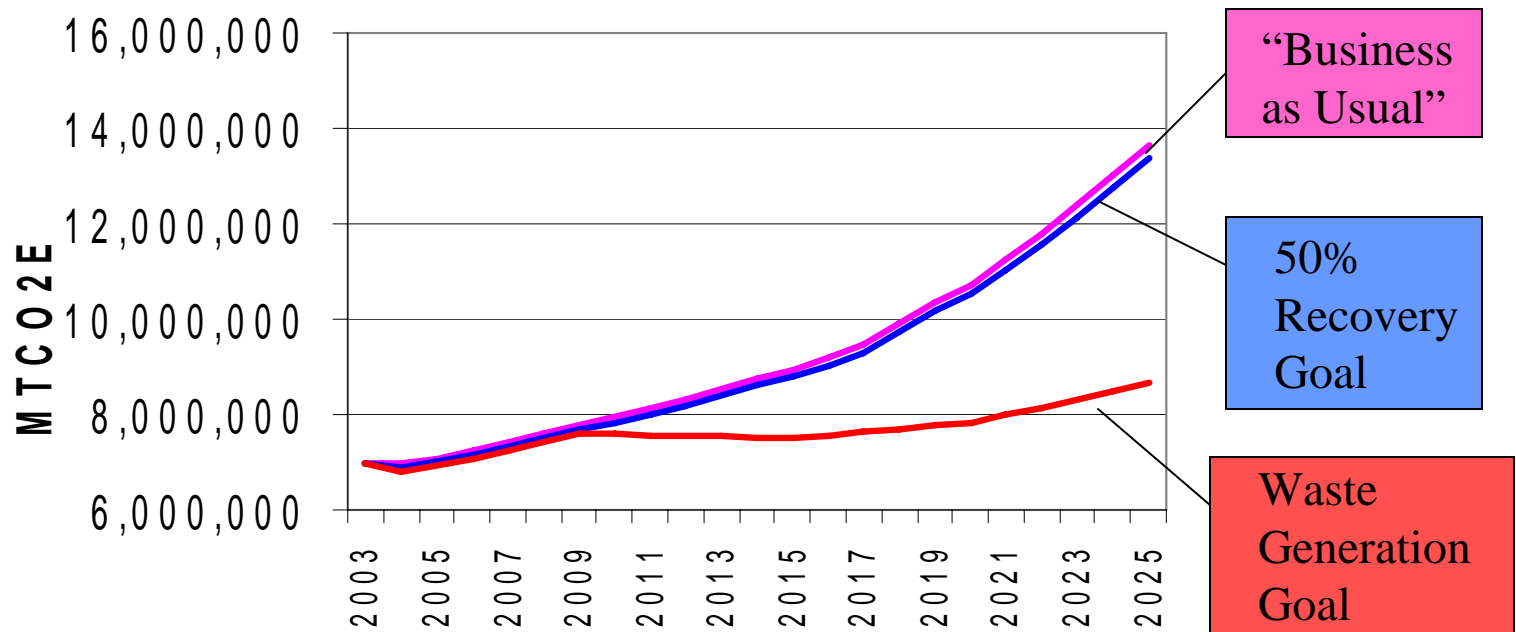


Waste Prevention: Other Guidance to DEQ

- State Solid Waste Management Plan (EQC)
- Waste Policy Leadership Group
- Governor's Advisory Group on Global Warming



Projection of Greenhouse Gas Emissions: Waste Generation Goals





Major DEQ Waste Prevention Activities

- “Focus area” grants
- 2% recovery rate incentive program
- Special projects
 - Resource Efficiency Program (1996 – 2000)
 - Northwest Materialsmart (2002)
 - Packaging Waste Prevention Project (2002 – 2005)
- Technical assistance, outreach and web presence



Draft Waste Prevention Strategy

- Proposes priorities for DEQ's work in waste prevention for the next 10 years.
- Developed by DEQ staff in consultation with:
 - Steering Committee
 - External stakeholders
- Currently being redrafted based on stakeholder and management feedback



Waste Prevention Strategy: Background Papers

1. Waste generation: changes and causes of change
2. Environmental considerations
3. State of Oregon experience
4. Local government experience
5. Non-governmental infrastructure, green building
6. Waste prevention in businesses
7. Programs outside of Oregon
8. Product stewardship/extended producer responsibility

All documents available at:

www.deq.state.or.us/lq/sw/wasteprevention/wpstrategy.htm



Waste Generation: Why's it Increasing?

Increasing Per-Capita Generation:

- Wood
- Scrap metal
- “Other inorganics” (brick, rock, rubble, wallboard)
- Roofing
- Carpets/rugs
- Yard debris
- Plastics
- Clothing and footwear
- Commercial printing
- Small appliances/consumer electronics



DEQ Research: Causes of Increasing Waste Generation

- Changes in reporting 11 – 20% of increase
- Shifts from “non-counting” to “counting” methods > 5 – 20% of increase
- Real increases in “wasting” activities ~50 – 80% of increase
 - Increasing construction and remodeling activity
 - Increasing house sizes
 - Reduced durability of durable goods
 - Decline in repair and reuse options
 - Increased acquisition of goods



Proposed Guiding Principles (Selected)

- Prevent waste, but achieve the greatest environmental benefits.
- Determine benefits by examining the full life cycle, not just the waste stage.
- Actions aren't limited to reducing impacts within Oregon's borders.
- Consumption is a core cause of waste generation and associated impacts.
- Responsibility should be shared between consumers and producers.
- Do fewer things well (as opposed to more things poorly).



Draft Waste Prevention Strategy: Four Proposed Focus Areas

1. Design, construction, remodeling and demolition of buildings
2. Business waste (short-term focus on packaging)
3. Consumer education
4. “Foundation” research and analysis



Focus Area One: Design, Construction, Remodeling & Demolition

- Propose short-term focus on residential sector.
- First steps:
 - Conduct environmental screening of BMPs.
 - Consult with industry and other interested parties.
 - Identify short-list of BMPs to focus on.
 - Develop implementation plan.
- Implementation (details TBD).



Focus Area Two: Business Practices

- Propose short-term focus on packaging.
 - Implementation planning in consultation with industry.
 - Implementation.
- Assistance to organizations conducting outreach.
 - Case studies, demonstration projects, targeted outreach campaigns.
 - Technical assistance and/or grants.
- Additional target sectors, materials, products, practices (TBD).



Focus Area Four: Foundation Research

- Research changes in and causes of waste generation.
- Research economic impact of waste prevention.
- Capacity-building (internal and external) for environmental analysis of materials and waste.
- Special studies.



Focus Area Three: Consumer Education

- Environmental review of consumer behaviors.
 - Identify “priority” behaviors with large, positive impacts.
 - Identify “low priority” behaviors with small impacts or significant negative impacts.
- Implementation planning.
 - Use community based social marketing framework.
 - Research into barriers and benefits.
 - Implementation planning in consultation with local governments, NGOs.
- Outreach.
 - Conducted by DEQ and/or others.
 - Details TBD.