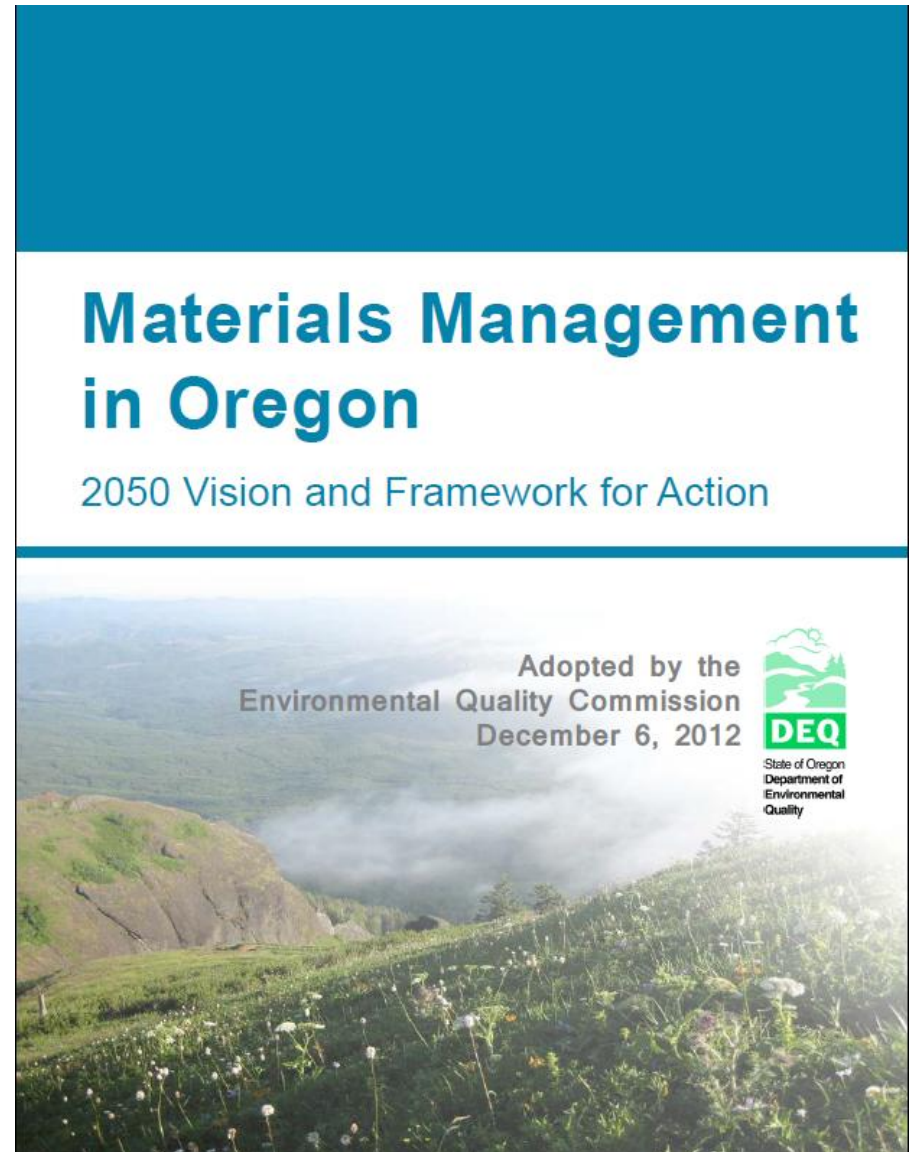




Environmental Quality Commission

March 19, 2014
Item E
Informational Item

Wendy Wiles
Loretta Pickerell
Abby Boudouris
David Allaway





Overview

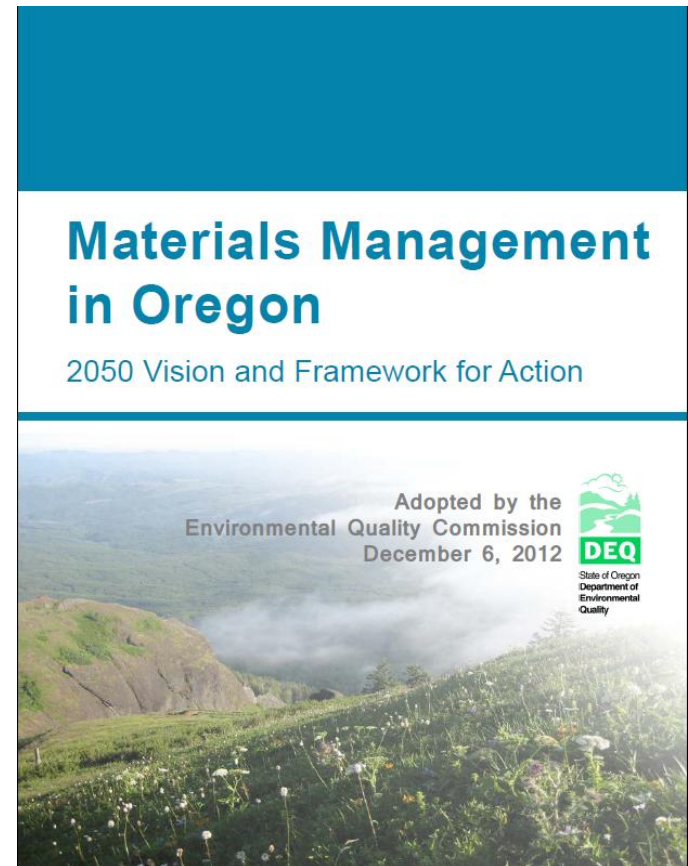
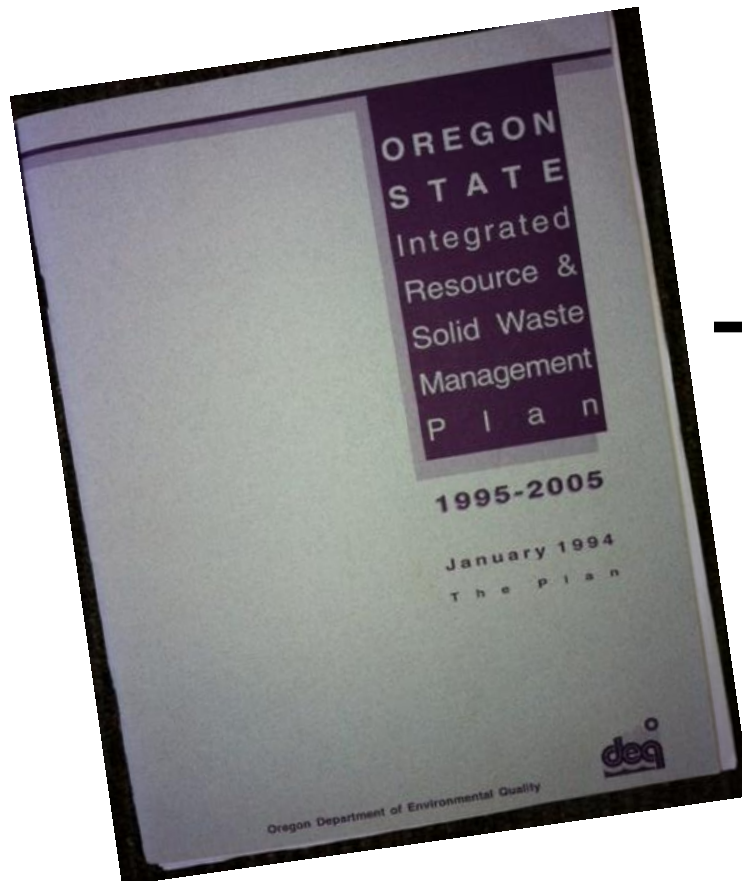
Materials Management

2050 Vision and Framework for Action

Implementation Status



An update to Oregon's *State Integrated Resource and Solid Waste Management Plan (1995-2005)*





Materials Management: A “Life Cycle” View





Why Materials Management? Because Materials Matter

- Use is increasing, both here and abroad
 - Our economy is tied to global materials markets
- We're increasingly dependent on non-renewable materials
 - With dependence comes economic and geo-political risks
- Rapid rise in material use has led to serious environmental effects





2050 Vision: Vision Statement

*Oregonians in 2050 produce and use materials responsibly
conserving resources • protecting the environment • living well*





Desired Outcomes for 2050

**Producers make products sustainably.
Every option is a sustainable option.**

**People live well and consume
sustainably.**

**Materials have the most useful life
possible before and after discard.**



Framework for Action

- **Designed to guide implementation planning**
- **DEQ will reevaluate every six years**
- **Annual status reports to the EQC**



OREGON
TODAY

- Foundations
- Policies and Regulations
- Collaboration and Partnerships
- Education and Information

OREGON
IN 2050



Near-term Implementation: Priority Outcomes for June 2015

- ✓ **DEQ's program aligned to implement the *Framework for Action***
- ✓ Stable funding in place
- ✓ New or updated goals / measures
- ✓ Recycling Opportunity Act evaluated
- ✓ Public support for *2050 Vision*/Framework
- ✓ Research about maximizing benefits of recovery completed
- ✓ Successful upstream projects completed



Near-term Implementation: Program Alignment





Near-term Implementation: Priority Outcomes for June 2015

- ✓ DEQ's program aligned to implement the *Framework for Action*
- ✓ **Stable funding in place**
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Materials Management Workgroup

Workgroup

October 2013 – September 2014 • 7 meetings

Sub-groups

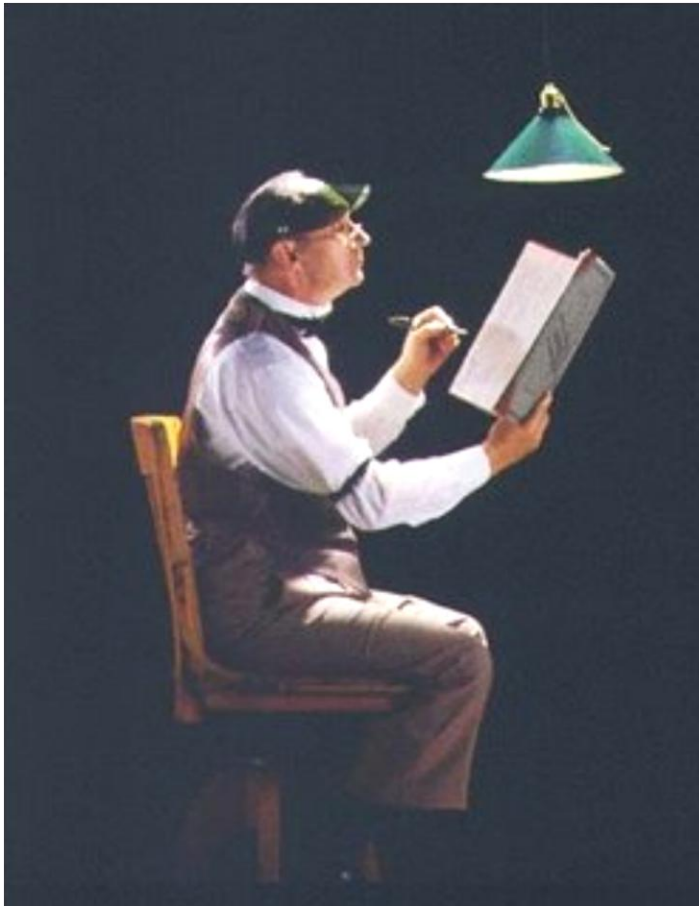
October 2013 - May 2014 • 4 meetings each

- Funding
- Goals and Measures
- Recycling Opportunities

Potential legislation • 2015

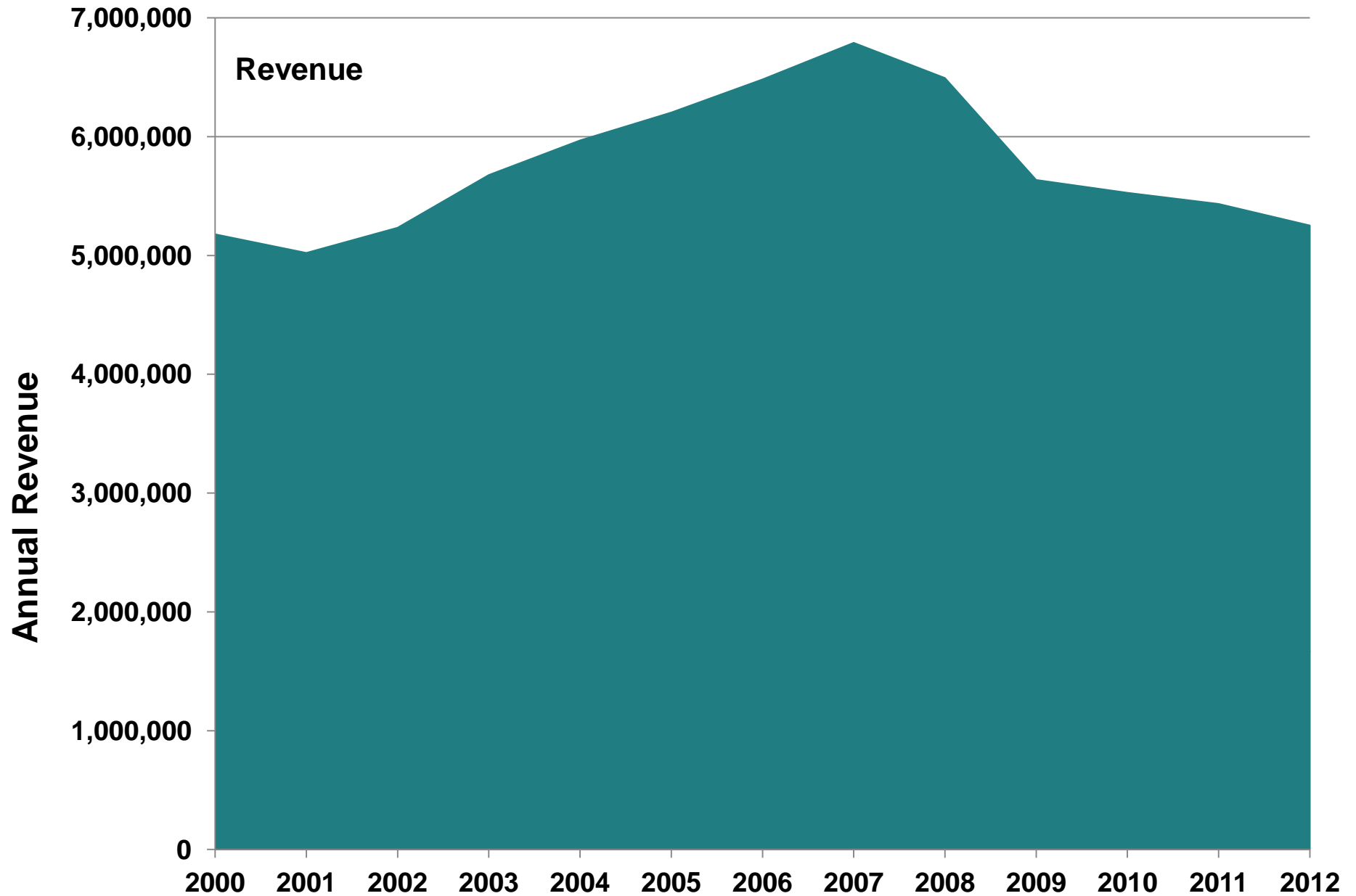


Near-term Implementation: Funding

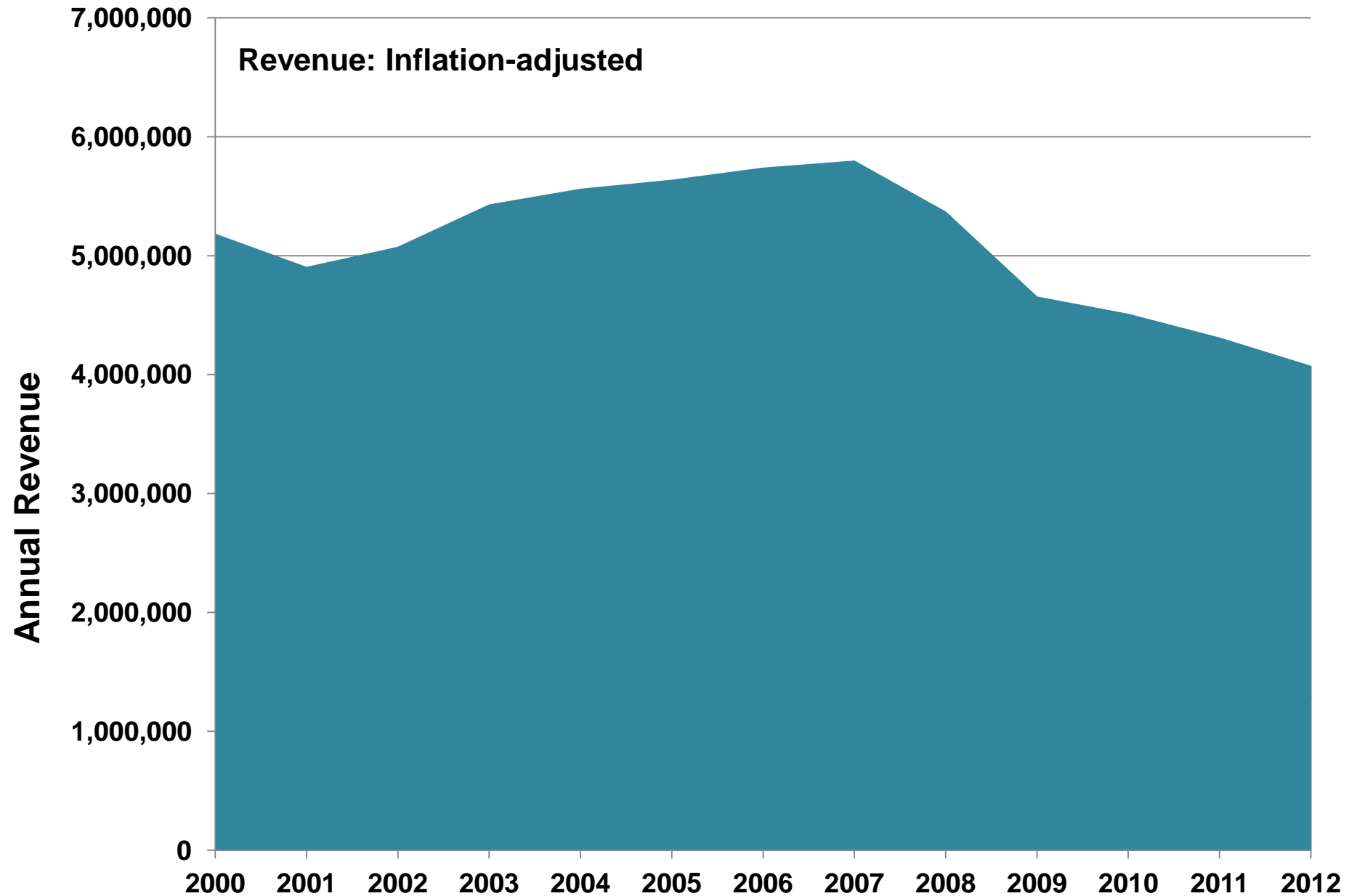


- Solid waste fees fund the program
- Revenue is unstable and declining
- Implementation costs are increasing
- Fees were set in the 1990s and have not been adjusted

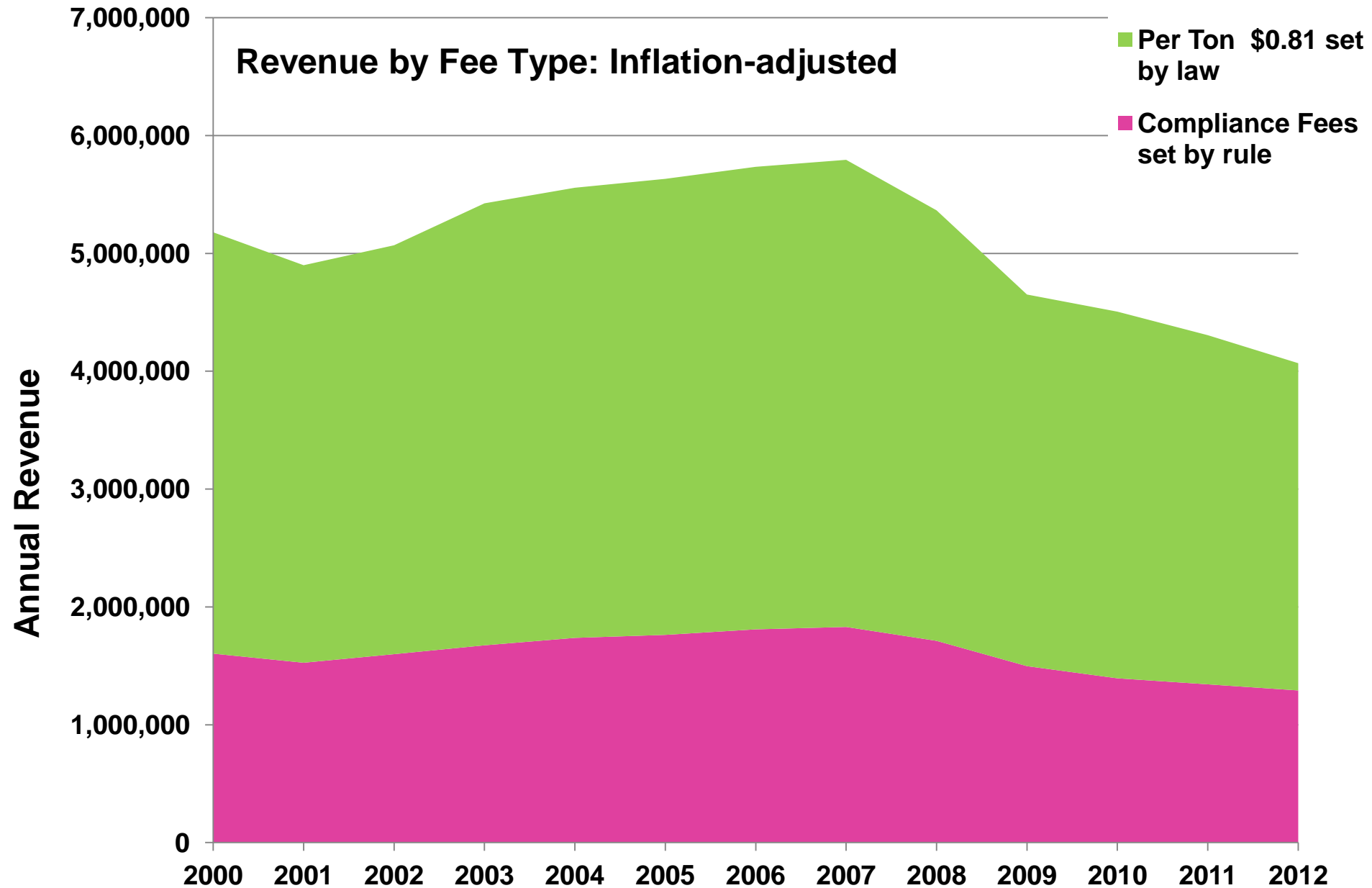
Materials Management in Oregon: 2050 Vision & Framework for Action



Materials Management in Oregon: 2050 Vision & Framework for Action



Materials Management in Oregon: 2050 Vision & Framework for Action





Draft Proposal: Funding

- Increase permit fees to pay for facility oversight work
- Broaden per-ton disposal fees to include additional materials
- Increase per-ton disposal fees
- Long-term study of non-disposal fee options
- Periodic adjustments



Near-term Implementation: Goals and Measures

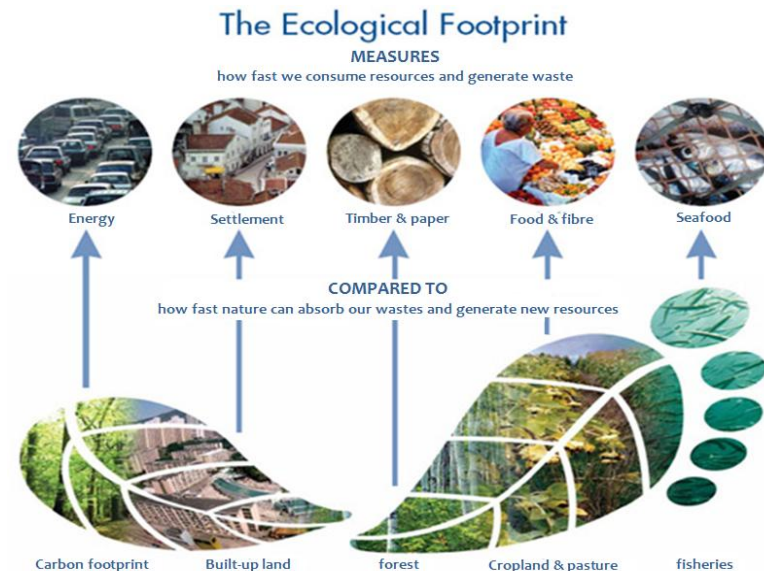


What goals and measures best demonstrate our progress toward the 2050 Vision?



Goals and Measures

- Focus on outcomes, not process
- Three major tracks:
 - Waste recovery
 - Waste generation
 - Consumption-based impacts
 - Consumption-based greenhouse gas inventory
 - Ecological Footprint





Goals and Measures

- Focus on actual environmental outcomes, where possible
- Example: energy savings from recycling



Recycling in Oregon in 2012 saved ~34 trillion BTUs of energy . . . equivalent to 270 million gallons of gasoline



Near-term Implementation: Recycling Opportunity Act



What are the leading options for increasing and improving recycling opportunities in Oregon?



Near-term Implementation: Priority Outcomes for June 2015

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Near-term Implementation: Maximizing Benefits of Recovery: Plastics and Food





Other near-term work

- “Upstream” projects
 - Green building
 - Environmental “footprint” of products
- Existing work





Key milestones





Looking Ahead to 2020

- Reduced wasting of food
- Expanded infrastructure for reuse and repair
- New partnerships with businesses to reduce product footprints (greenhouse gases, toxic chemicals, etc.)
- Increased market share for low-impact products (led by state and local governments purchasing)
- Improved and expanded recovery of high-priority materials (plastics, food)
- Foundational expertise in life cycle environmental and economic impacts





Thank you

