

# 2050 Vision for Materials Management in Oregon



## Materials Management through Sustainable Consumption Webinar Series

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## Materials Management in Oregon

2050 Vision and Framework for Action

Adopted by the  
Environmental Quality Commission  
December 6, 2012



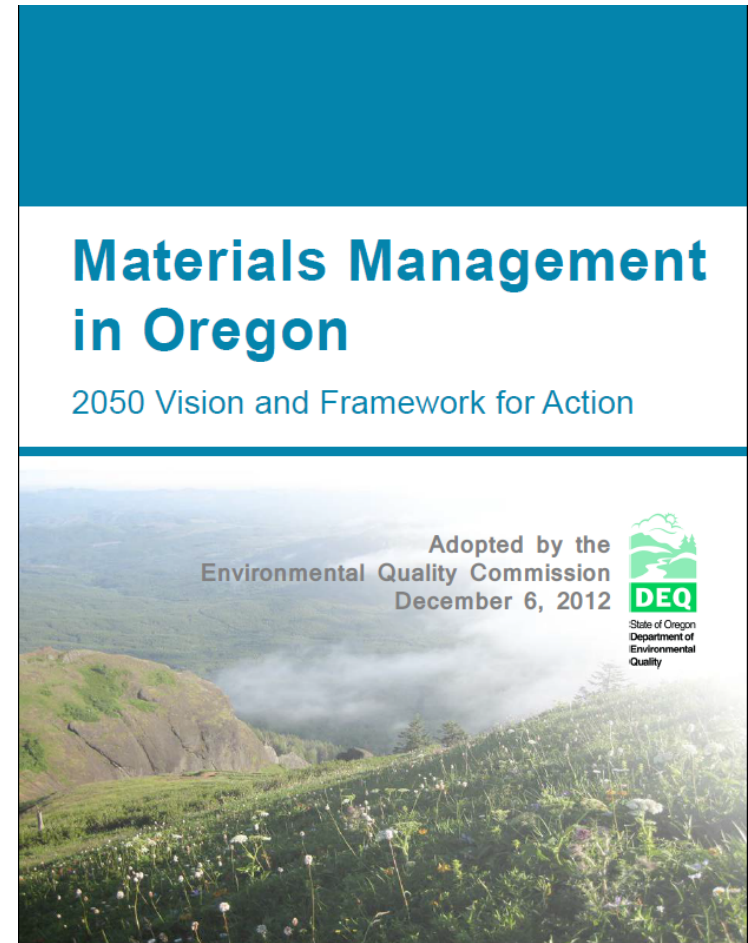
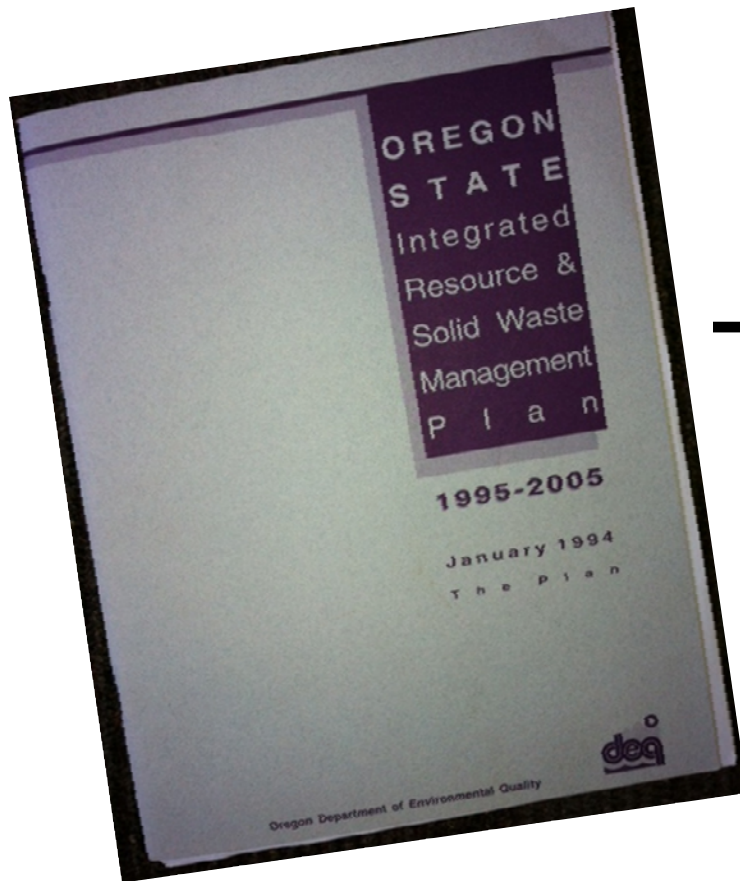
State of Oregon  
Department of  
Environmental  
Quality



# 2050 Vision for Materials Management in Oregon



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



# 2050 Vision for Materials Management in Oregon

## Materials Management: A “Life Cycle” View



## 2050 Vision for Materials Management in Oregon

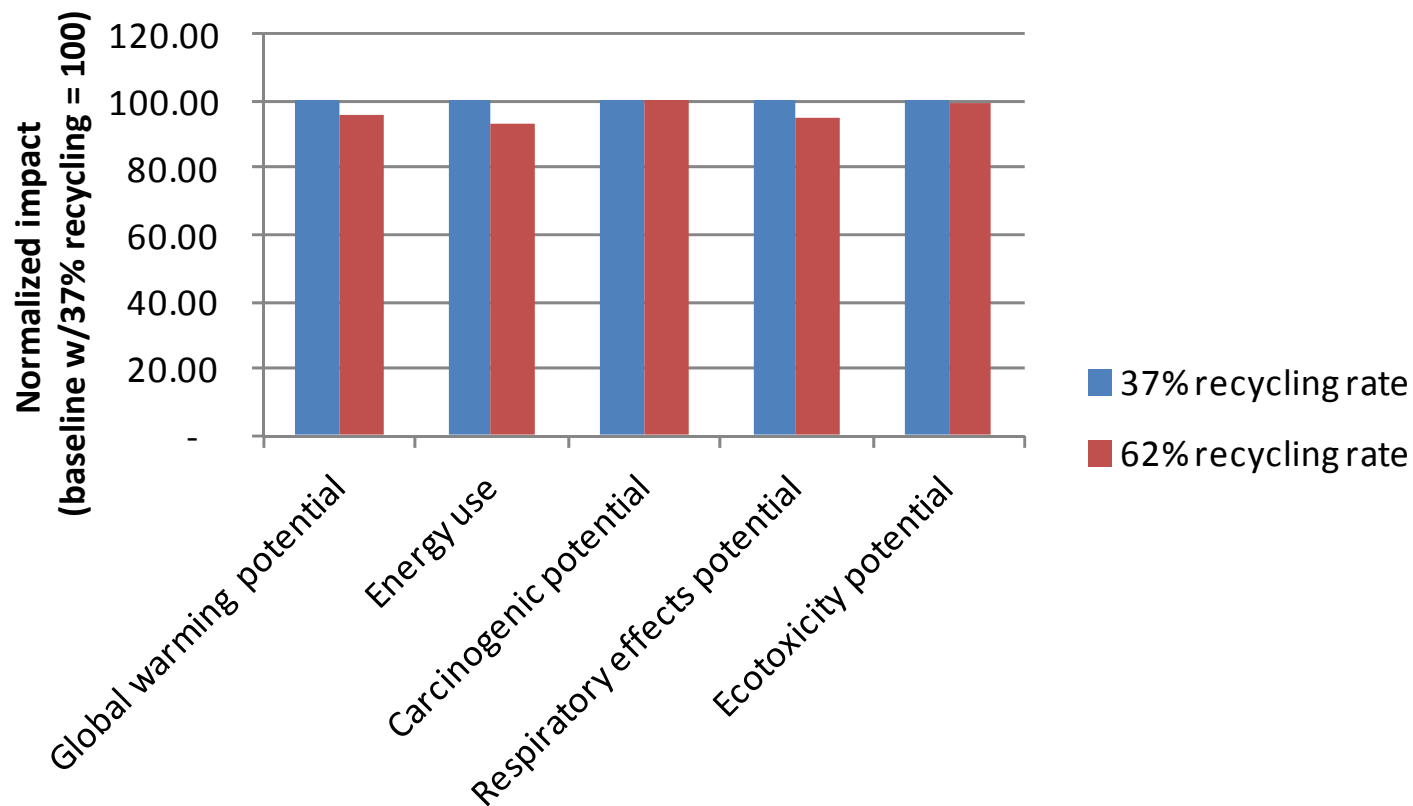
### Materials Management

- A full view of impacts across the life cycle
- A full view of actions across the life cycle
  - Why? Because most impacts are “upstream” (in production) and consumption is the root driver of these impacts
  - Sustainability requires that the full life cycle be sustainable



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## Example of Interventions Across the Life Cycle: PET Water Bottles

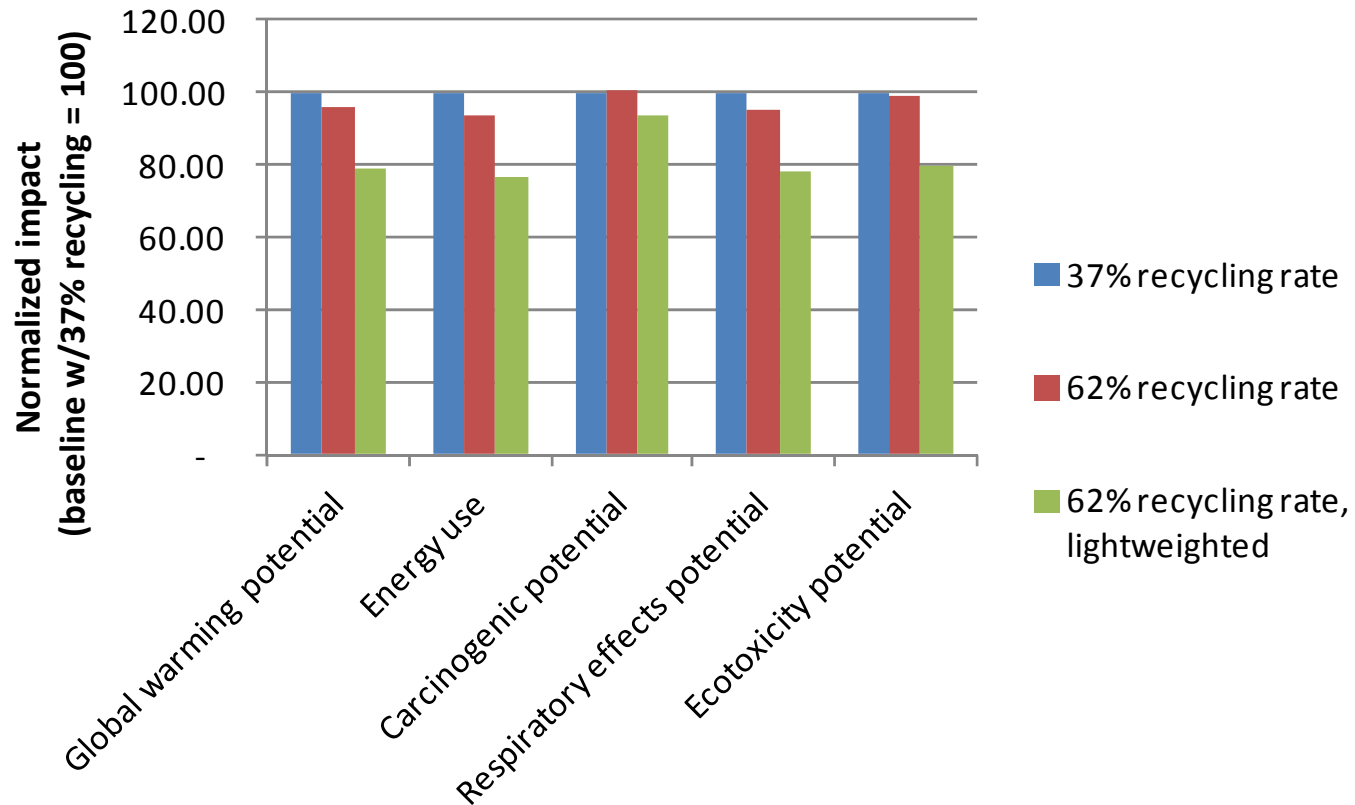


“Baseline” = PET, half-liter, **13.3 grams**, **0% post-consumer recycled content (PCR)**, on-site molding,



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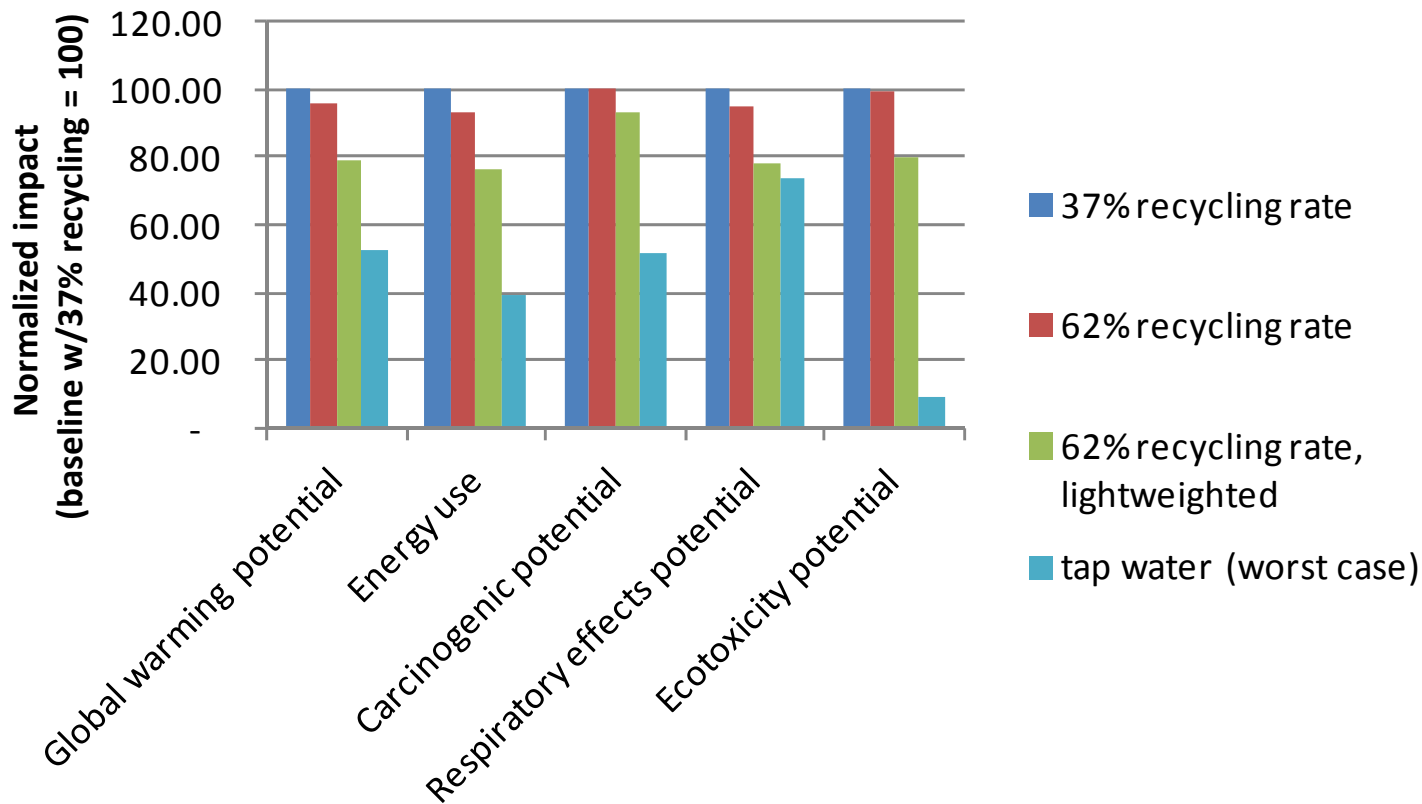
## Example of Interventions Across the Life Cycle: PET Water Bottles



“Baseline” = PET half liter, 12.2 grams, 0% post-consumer recycled content (PCR), on-site molding

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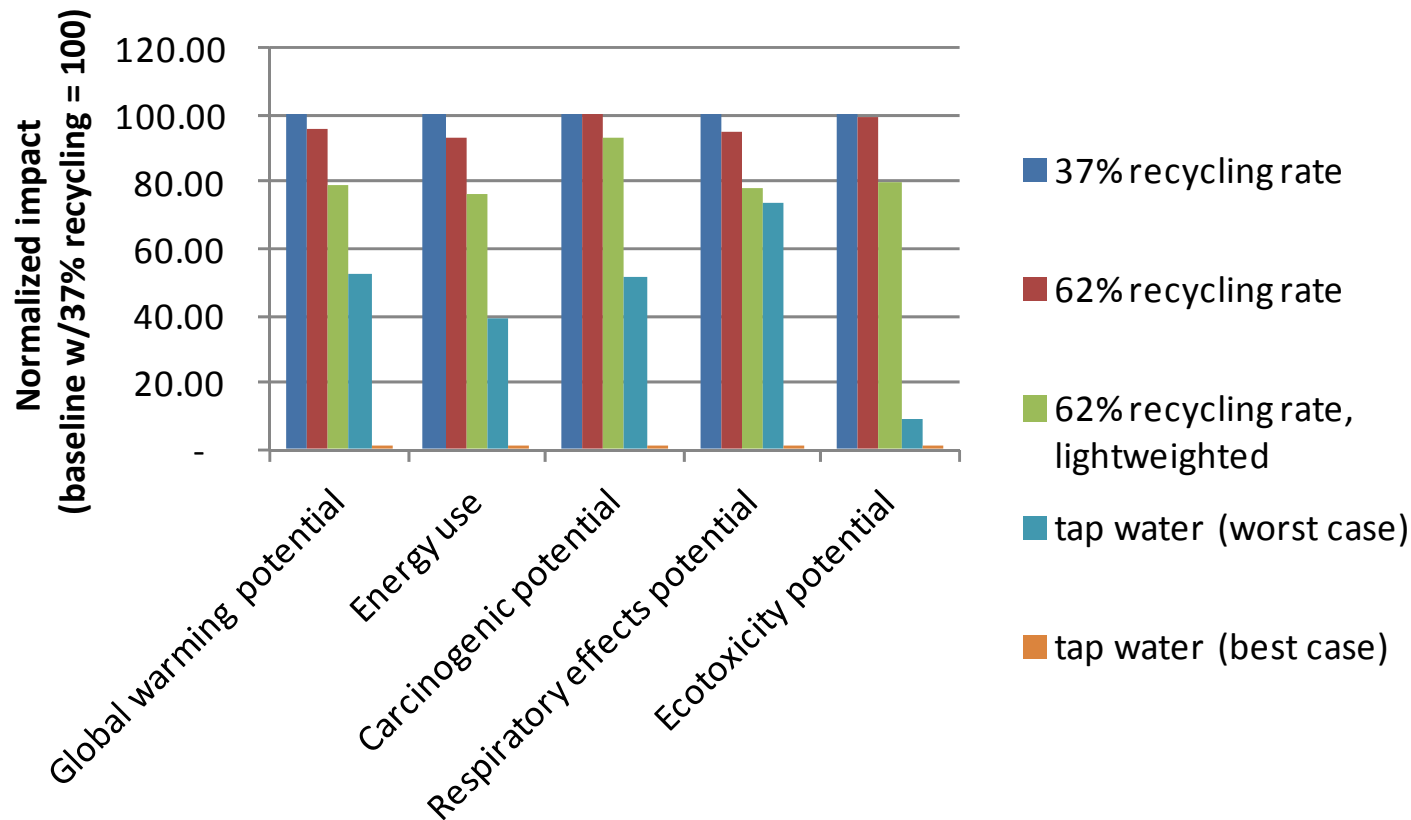
## Example of Interventions Across the Life Cycle: PET Water Bottles



“Baseline” = PET, half-liter, 13.3 grams, 0% post-consumer recycled content (PCR), on-site molding,

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## Example of Interventions Across the Life Cycle: PET Water Bottles



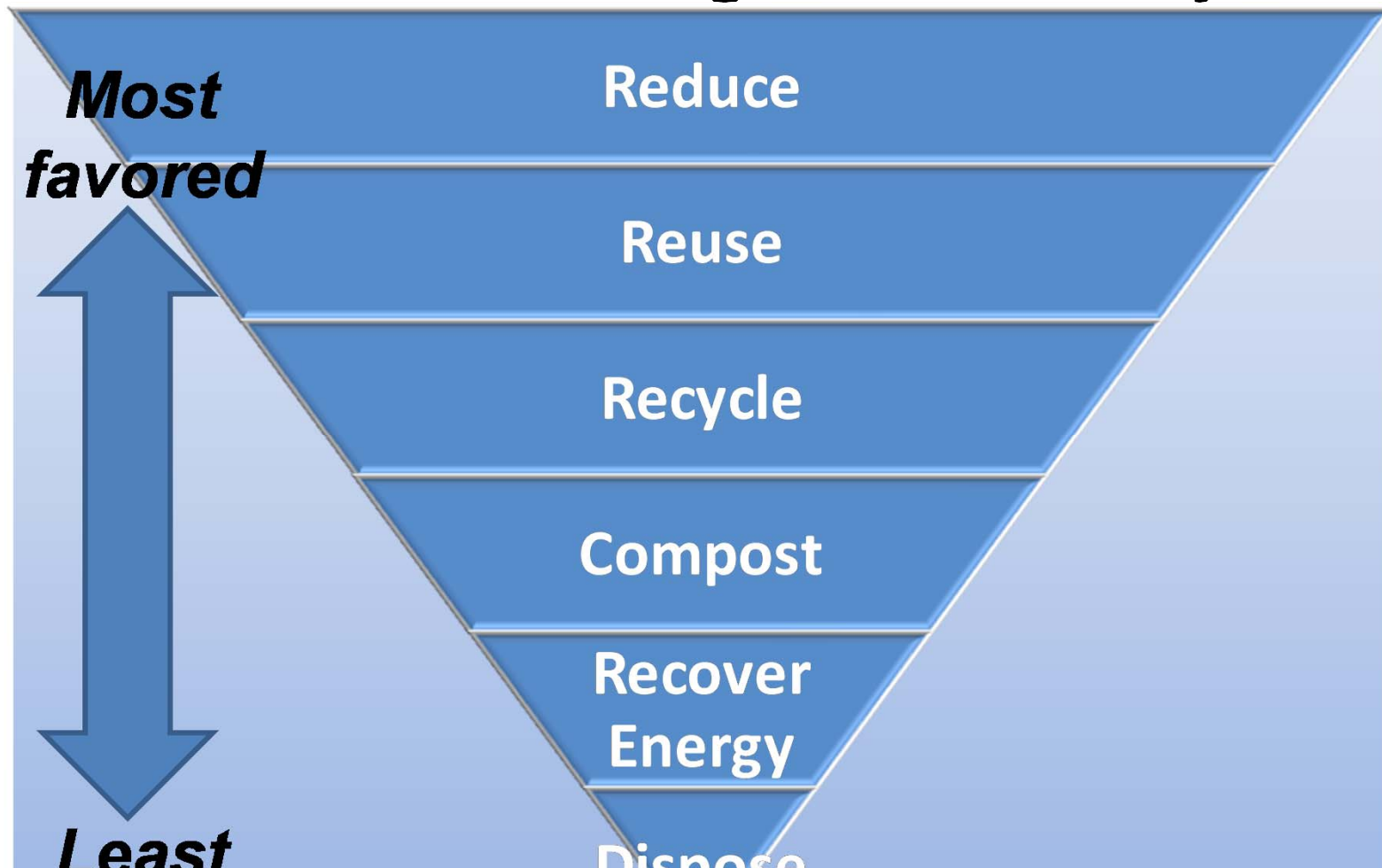
“Baseline” = PET, half-liter, **13.3 grams**, **0% post-consumer recycled content (PCR)**, on-site molding,



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## The Solid Waste Management Hierarchy



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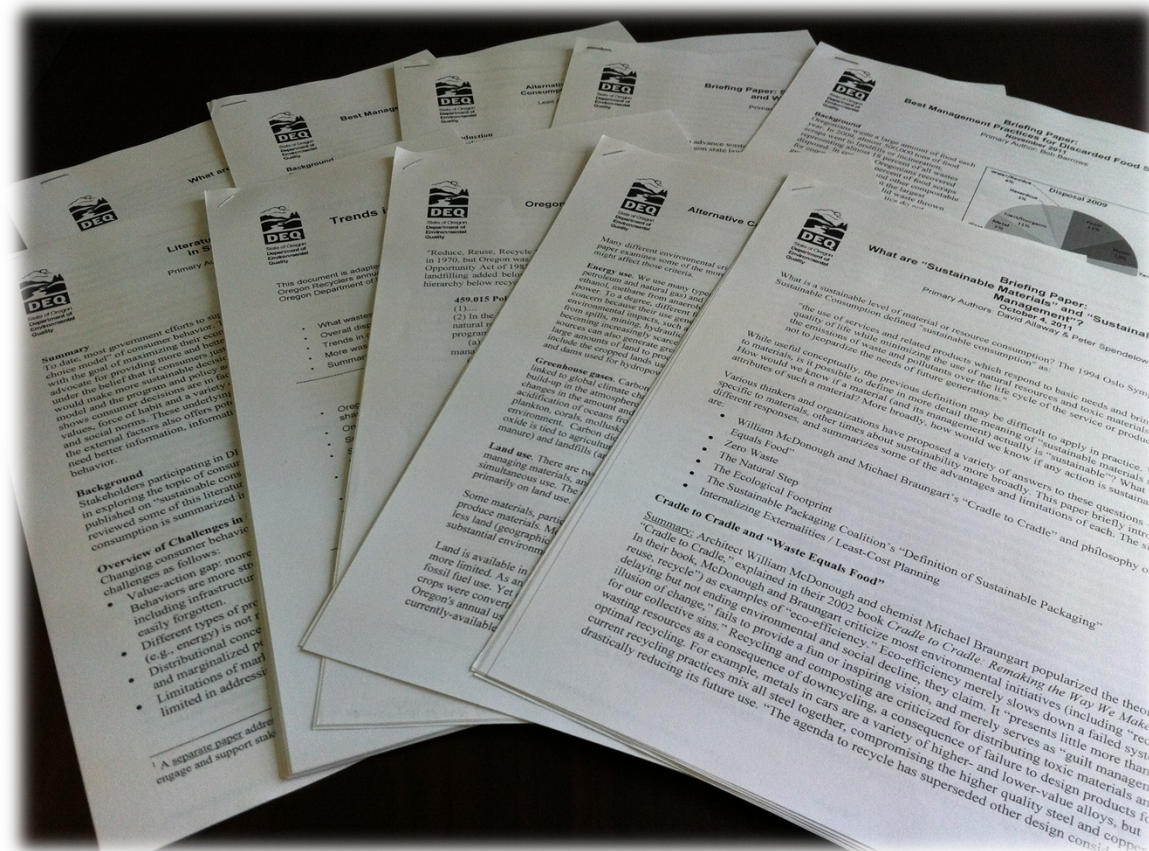
## Materials Management Workgroup



# 2050 Vision for Materials Management in Oregon



## Background Papers



Documents available:

[www.deq.state.or.us/lq/sw/materialsmgmtplan/bkgrddocs.htm](http://www.deq.state.or.us/lq/sw/materialsmgmtplan/bkgrddocs.htm)





## 2050 Vision for Sustainable Materials Management in Oregon

- Intended to set a clear picture of where we hope to land
- Addresses materials produced *and* used in Oregon
- Expressed in summary form and with detailed “desired outcomes”

## 2050 Vision for Materials Management in Oregon



### ***2050 Vision: Vision Statement***

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



## 2050 Vision for Materials Management in Oregon

### **Desired Outcomes for 2050**

**Producers make products sustainably.**

**People live well and consume sustainably.**

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







## **Framework for Action**

- **Not an implementation plan**
- **DEQ will reevaluate every six years**

# 2050 Vision for Materials Management in Oregon



OREGON  
TODAY

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

OREGON  
IN 2050

## 2050 Vision for Materials Management in Oregon

### Examples of Consumption-Related Actions

- New goals for sustainable materials management
- Foundational research
  - Identify high-impact materials and alternatives
  - Definitions of sustainable consumption
  - Evaluate barriers to repair, reuse and product lifespan extension
  - Update/expand consumption-based emissions inventories
- Improve information dissemination across the full life cycle of products



## 2050 Vision for Materials Management in Oregon

### **Examples of Consumption-Related Actions, continued**

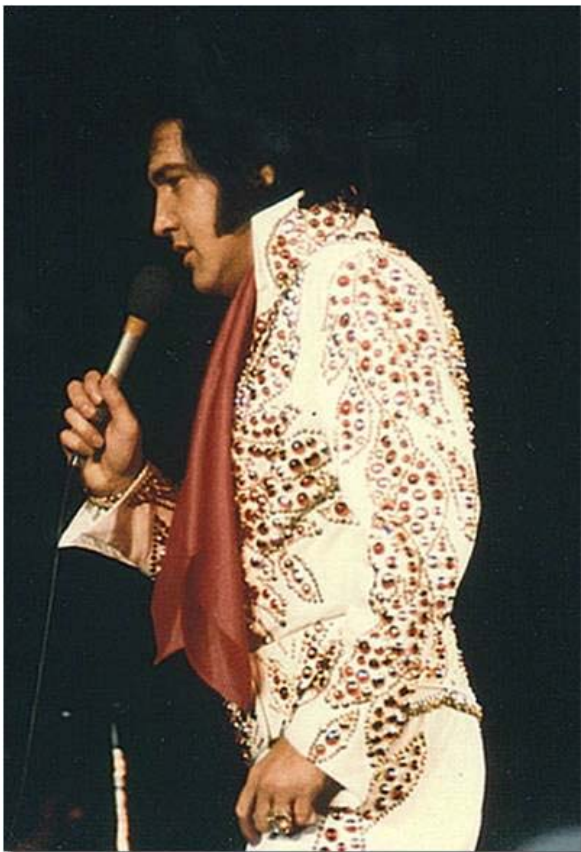
- Support product standards (“choice editing”)
- Incentives, grants, tax changes etc. to support repair, reuse, collaborative and sustainable consumption
- Public procurement
- Food waste prevention
- Support space-efficient housing





# 2050 Vision for Materials Management in Oregon

## Looking back 37 years



## 2050 Vision for Materials Management in Oregon

**Thank You!**

