

Fellow Columbia Chapter of NIGP Members:

Our **next General Meeting and Luncheon** is scheduled for **Thursday, May 4, 2017**. Please mark your calendars and plan to attend.

DATE & TIME: Thursday, May 4, 2017 11:30 am – 1:00 pm	LOCATION: City of Beaverton 12725 SW Millikan Way E-Suites Training Room, 3 rd Floor Beaverton, OR
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LUNCH: PROVIDED

MEETING AGENDA

11:30 Lunch

11:45 David Allaway – State of Oregon: The State is rolling out a big initiative called the 2050 Vision for Materials Management in which sustainable procurement at the State will play an important role. Come hear what is in the works and how it may or may not affect your Agency.

- 12:30 Columbia Chapter Business
- Presentation of updated Bylaws and Vote
 - Incoming Officer Announcement and Installation
 - Denice Henshaw – President
 - Christy Tran – VP
 - Elvis Carter – Secretary
 - Diane Seaton – Immediate Past President
 - Anthony Blackmon – Treasurer
 - Emmanuel Amunga – Membership Director
 - Suzi Fulcher – Logistics Director
 - Kathi Braeme-Burr – ProD
 - Presentation of Buyer and Manager of the year awards.
 - Annie Teav (BOY)
 - Lee Fleming (MOY)
 - Special appreciation plaque
 - Cindy Philips
 - Presidential Plaques
 - James Moering
 - Diane Seaton

12:55 Announcements

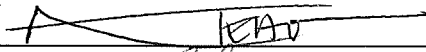


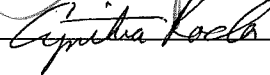




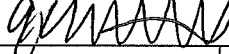

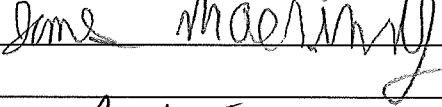

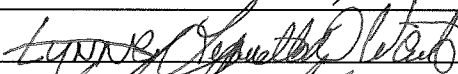

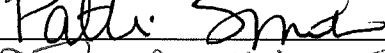


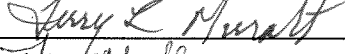

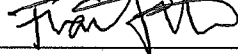
1:00 Adjourn

PLEASE RSVP BY NOON ON MONDAY, MAY 1, 2017, IF YOU PLAN TO ATTEND.

IF YOU HAVE TO CANCEL YOUR RSVP, PLEASE NOTIFY NIGP COLUMBIA CHAPTER NO LATER THAN NOON ON TUESDAY, MAY 2, 2017 TO ENSURE THE ACCURACY OF THE HEADCOUNT FOR LUNCH.

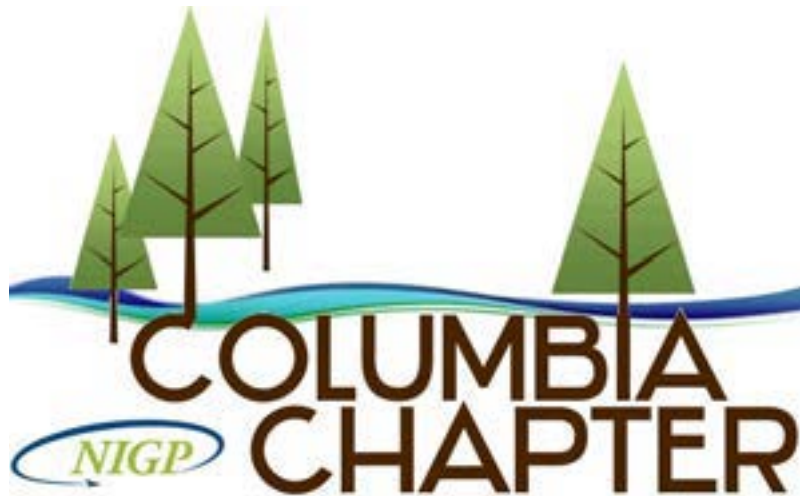
Send RSVPs and Cancellations to Christy Tran @ christy.tran@multco.us

**Columbia Chapter General Meeting
May 4th, 2017- Sign in Sheet**

	Name	Signature
1	Annie Teav	
2	Beth Smith	
3	Brian Smith	
4	Cynthia Roda	
5	David Alloway	
6	Debra Lindsay	
7	Denice Henshaw	
8	Diane Seaton	
9	Doreen Blome	
10	Elvis Carter	
11	Emilie Schulhoff*	
12	Eric Wicks	
13	James Moering	
14	Jerry Jelusich*	
15	Justin Sweet	
16	Lee Fleming	
17	Linda Niman	
18	Lynne Waite*	
19	Mike Mathews	
20	Patti Smith	
21	Paula Rickman	
22	Shawn Postera*	
23	Terry Muralt	
24	Thuy Meade	
25	Travis Allison*	
26		
27		
27		
28		
29		
30		

*Special Order (Sandwiches will be labeled with member's name)

Environmental Procurement and Oregon's *2050 Vision for Materials Management*



David Allaway
**Oregon Department of
Environmental Quality**

May 4, 2017

Overview

- Oregon's 2050 Vision for Materials Management
- Overview: Materials and the Environment
- Transparency and Disclosure
- Some Additional Resources



Jonathan Rivin
DEQ Materials Evaluation Specialist

What is Materials Management?

“Materials management is an approach to using and reusing resources most efficiently and sustainably throughout their lifecycles. It seeks to minimize materials used and all associated environmental impacts.”

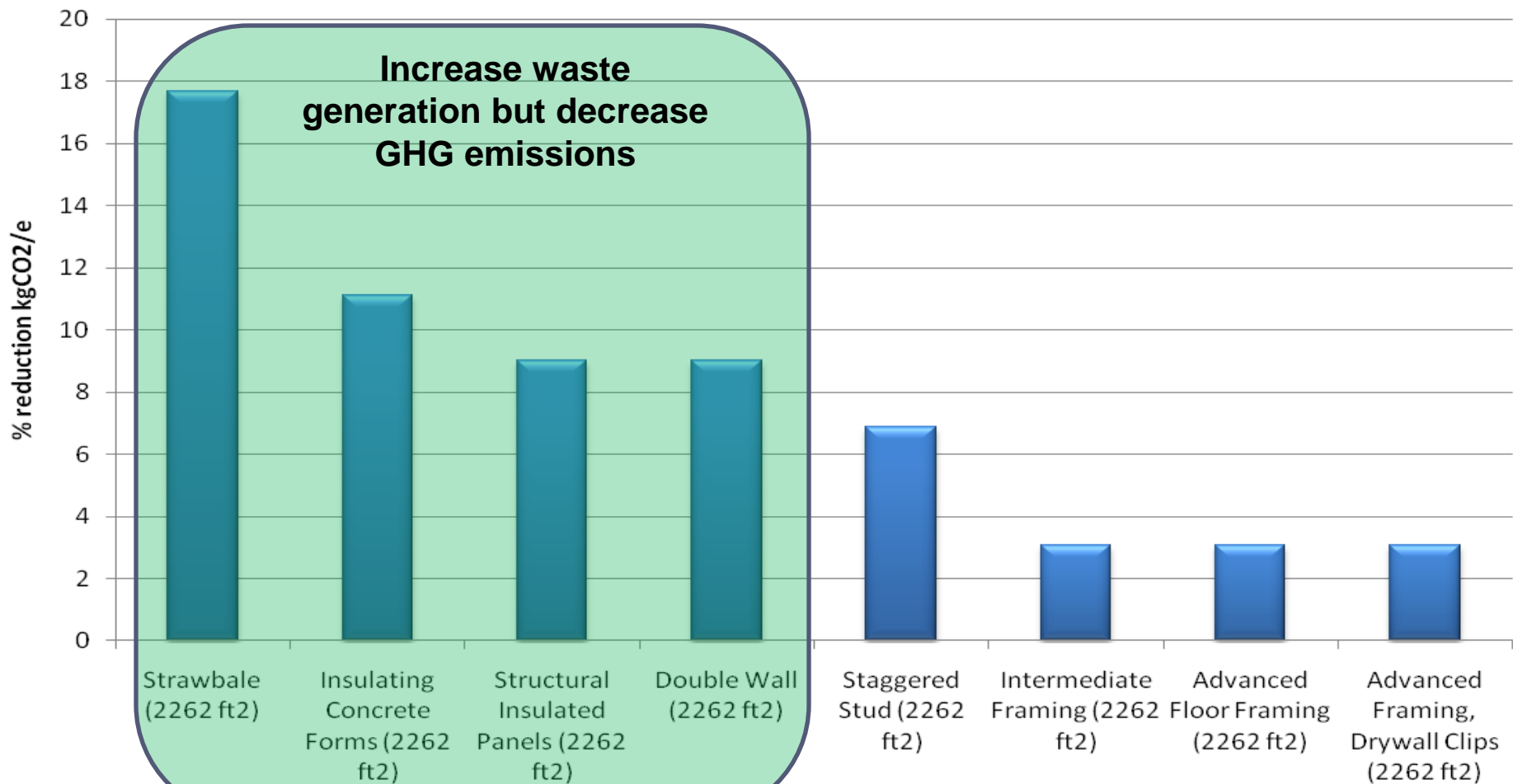
Materials Management: A “Life Cycle” View of Impacts and Actions



Solid Waste ≠ Environmental Impact

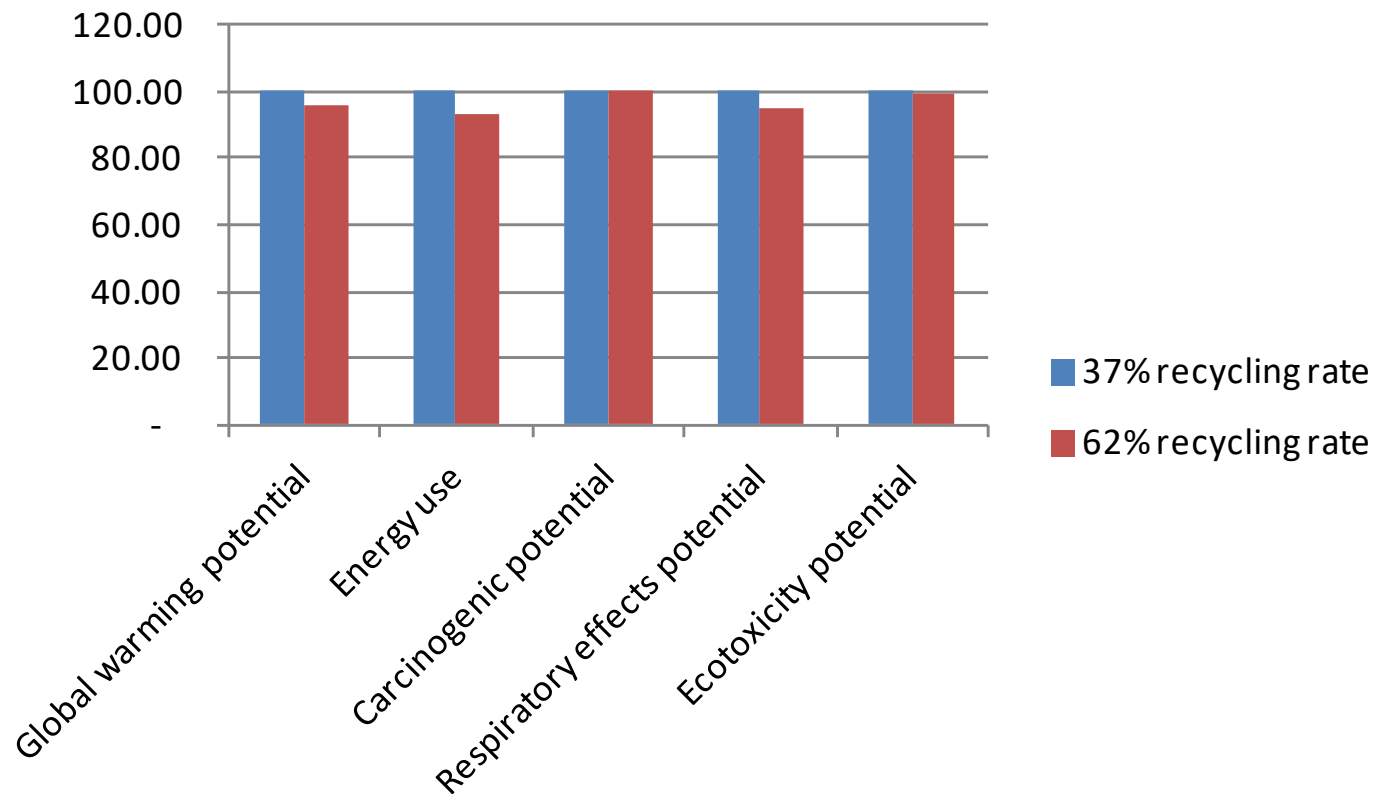
Example: Wall Framing in Single Family Homes (from DEQ housing LCA)

% GHG reduction compared to Standard Home



Example of *Actions* Across the Life Cycle: Drinking Water

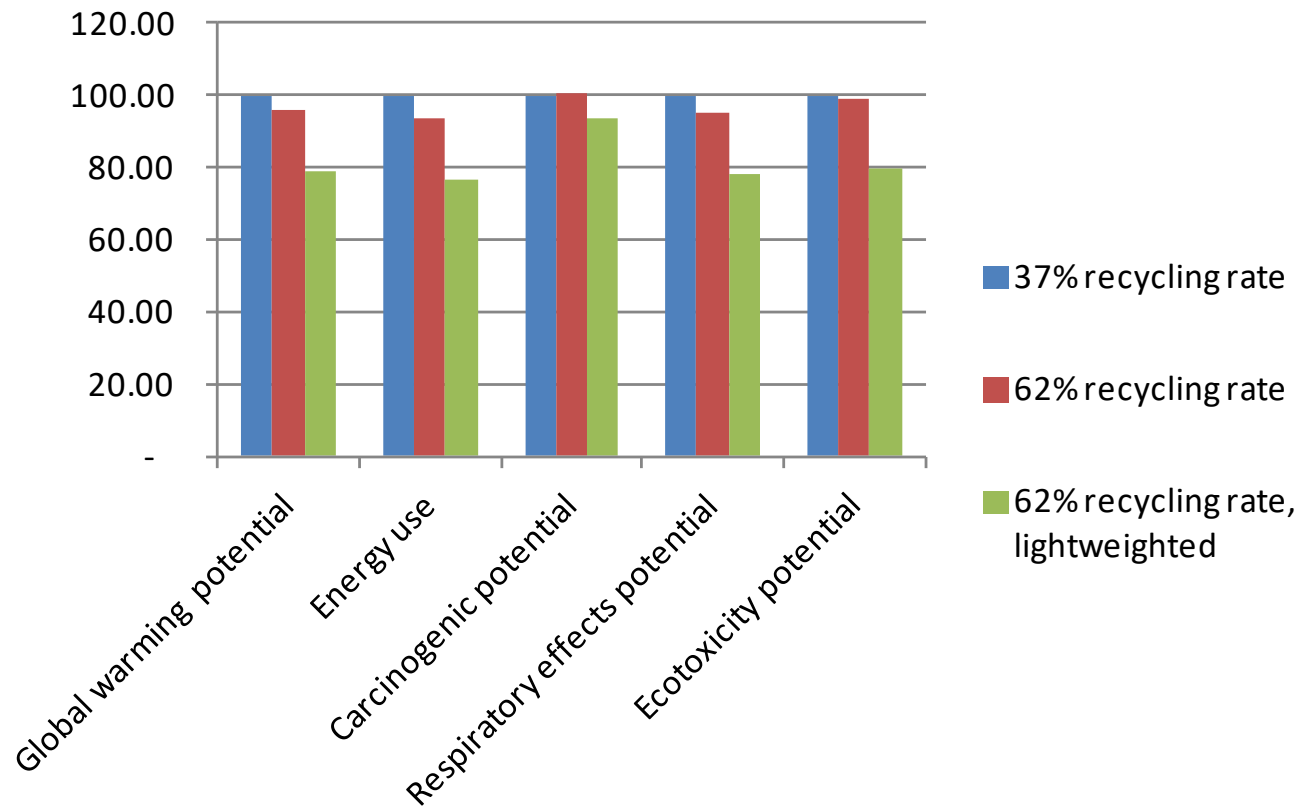
Relative Impact Potential, Baseline = 100



“Baseline” = PET, half-liter, 13.3 grams, 0% post-consumer recycled content (PCR), on-site molding, purified municipal water (reverse osmosis, ozone and uv), 50 miles to retail, 5 miles home-to-retail, co-purchase w/24 other products, no chilling.

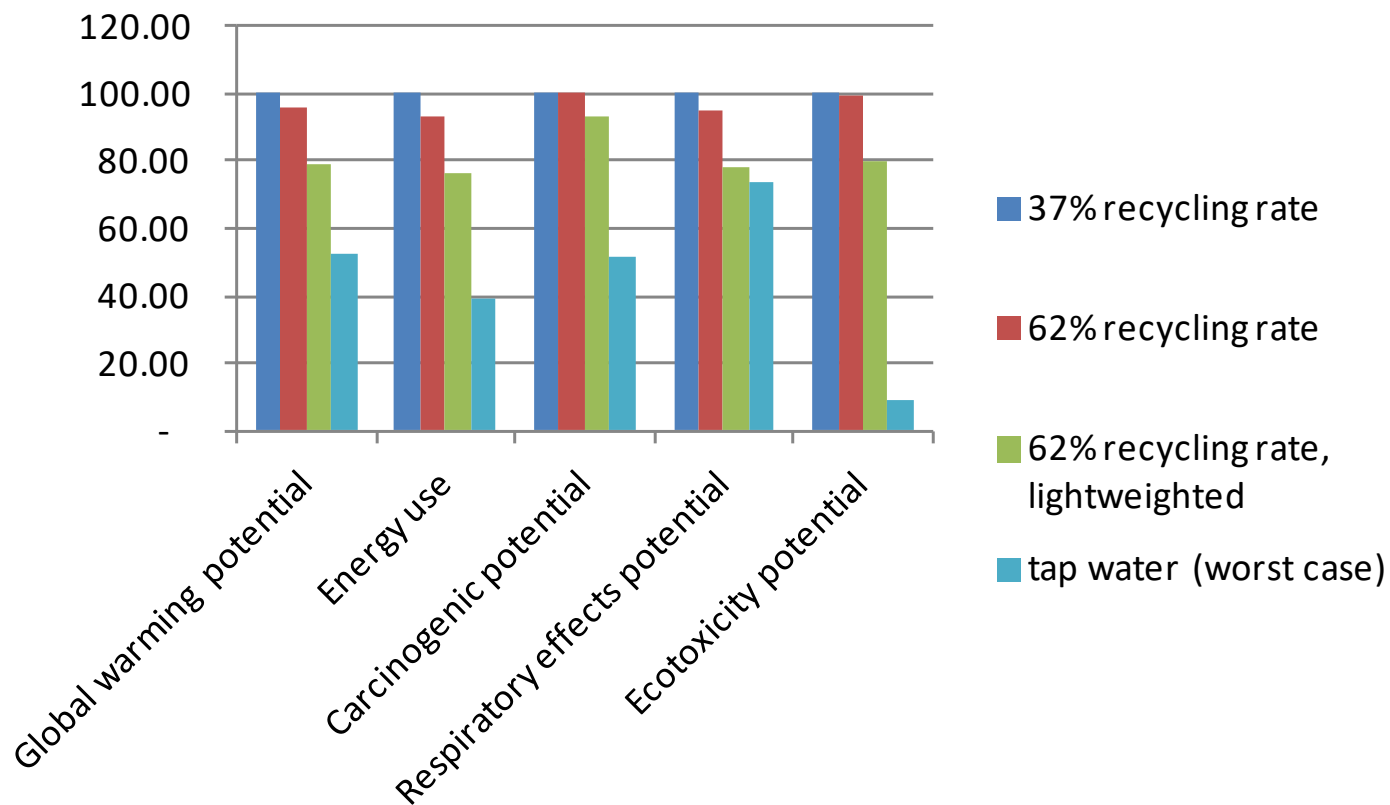
Example of *Actions* Across the Life Cycle: Drinking Water

Relative Impact Potential, Baseline = 100



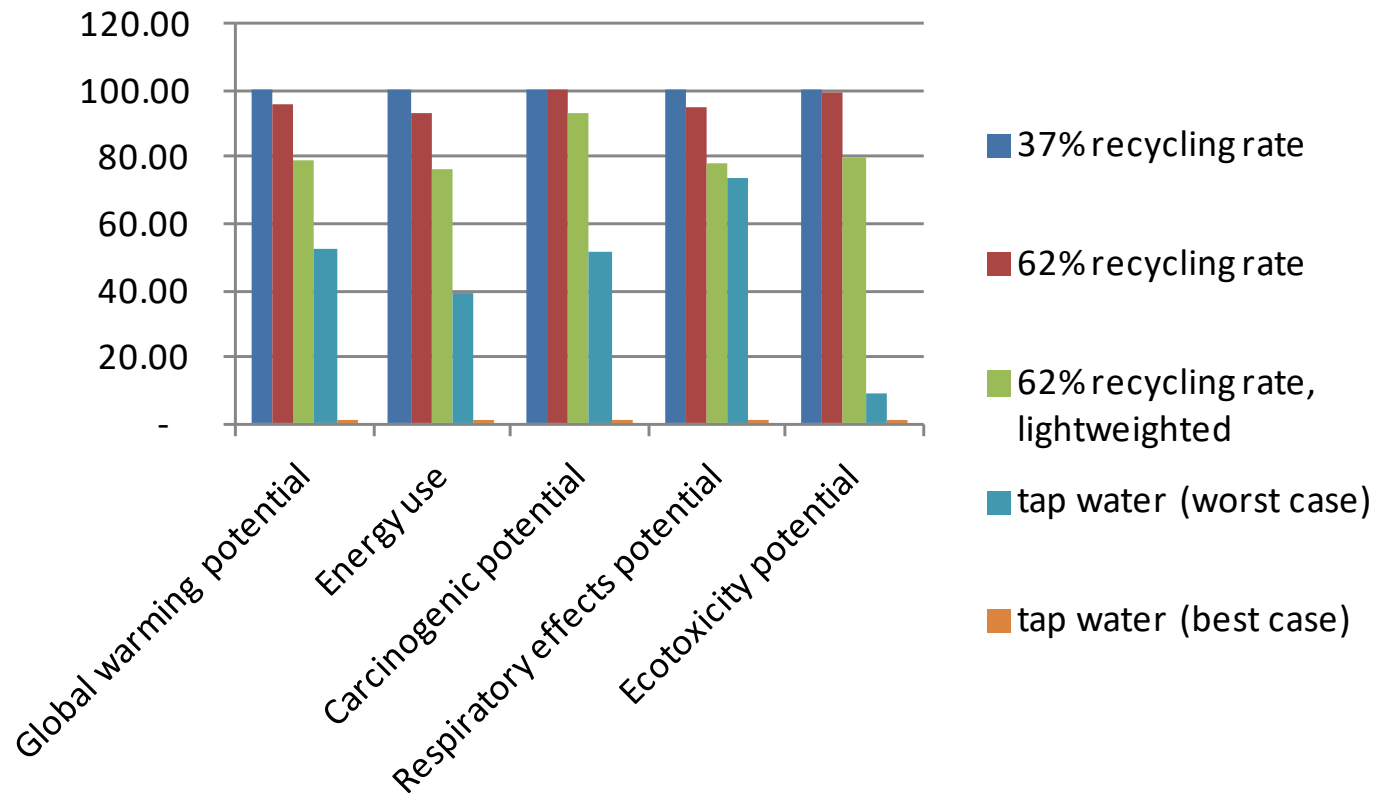
Example of *Actions* Across the Life Cycle: Drinking Water

Relative Impact Potential, Baseline = 100



Example of *Actions* Across the Life Cycle: Drinking Water

Relative Impact Potential, Baseline = 100



Oregon's 2050 Vision

Materials Management in Oregon

2050 Vision and Framework for Action

Adopted by the
Environmental Quality Commission
December 6, 2012



Oregon's *2050 Vision*

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

Not All Environmental Impacts Are the Same

File Edit View Favorites Tools Help



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[Florida Department of Management Services](#) > [Business Operations](#) > [State Purchasing](#) > [Vendor Information](#) > [State Contracts and Agreements](#) > Florida Climate Friendly Preferred Products List

Florida Climate Friendly Preferred Products List

To increase the visibility and purchase of environmentally preferable products (EPPs) that are available on current Florida State Term Contracts, this [Excel spreadsheet](#) ( 2.49 MB) lists over 10,000 products that current state term contract vendors have indicated meet one or more of the Florida approved green product labels / standards. Government purchasers are encouraged to use this list to find potential green products that may meet their agency's needs.

For more information on product pricing, ordering instructions, etc., please use the state term contract number listed for a green product to search for the appropriate [state term contract](#).

For more information, please contact:

Frank Miller

Phone: 850-488-8855

Email: frank.miller@dms.myflorida.com



“Ecological Footprint”

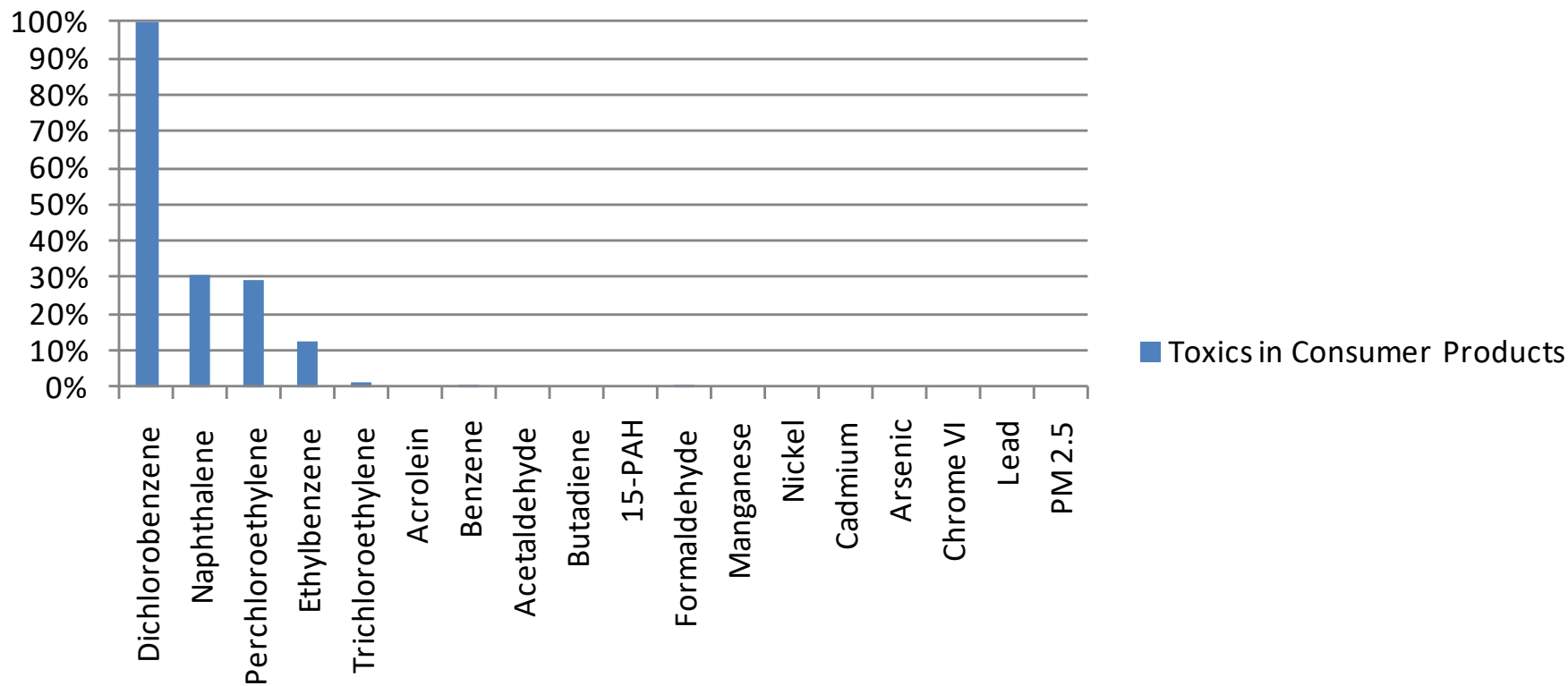
- Global biocapacity: 1.8 global hectares per capita
- Global footprint: 2.7 global hectares per capita



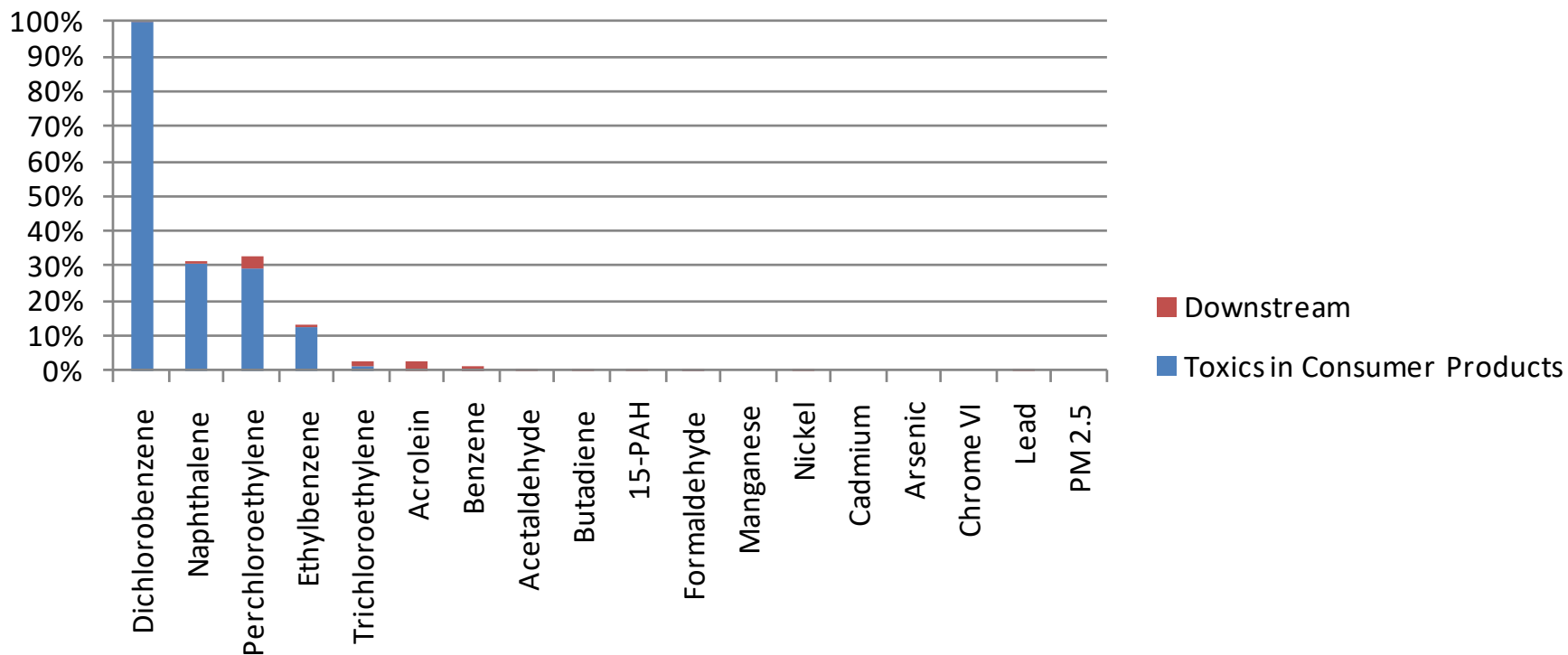
- US footprint: 8.0 global hectares per capita



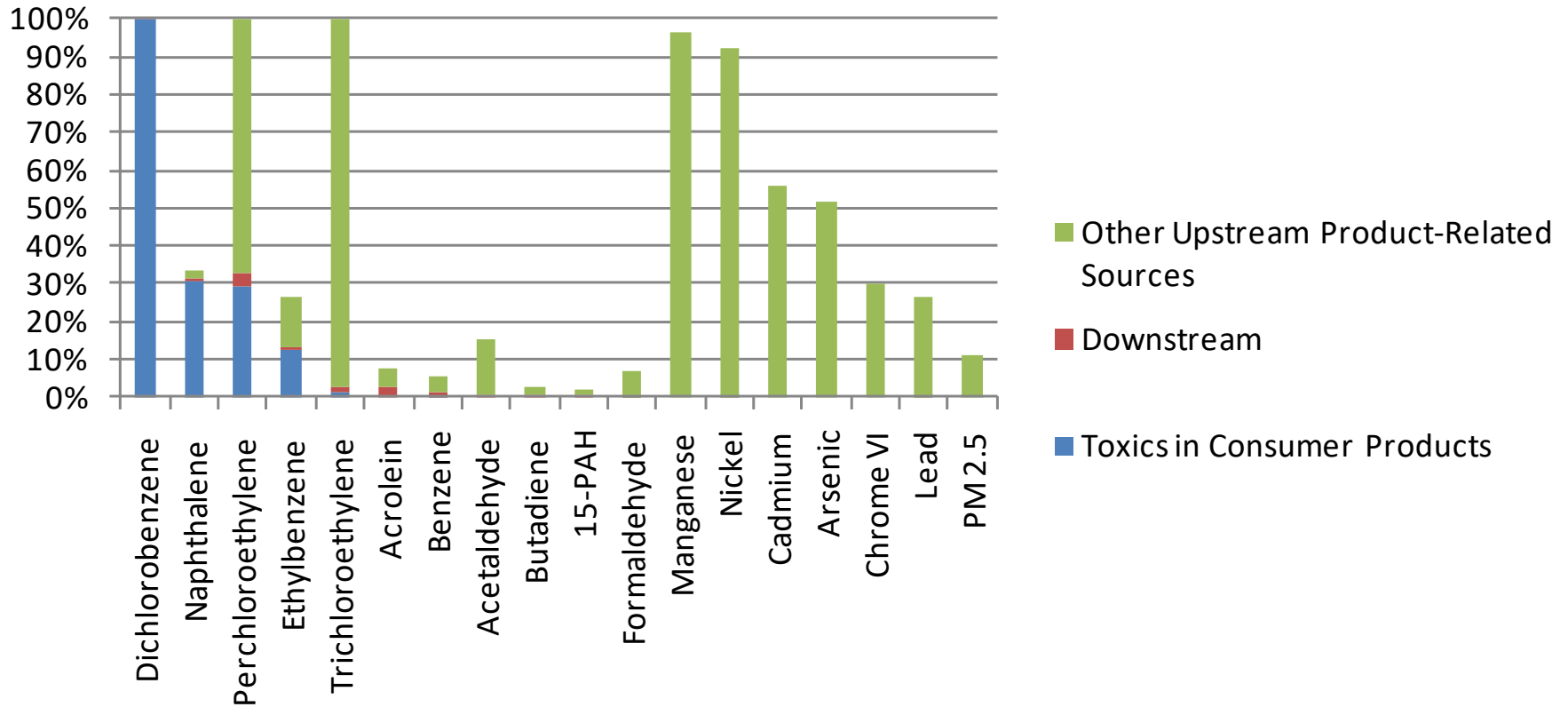
Portland Air Toxics Inventory (2005)



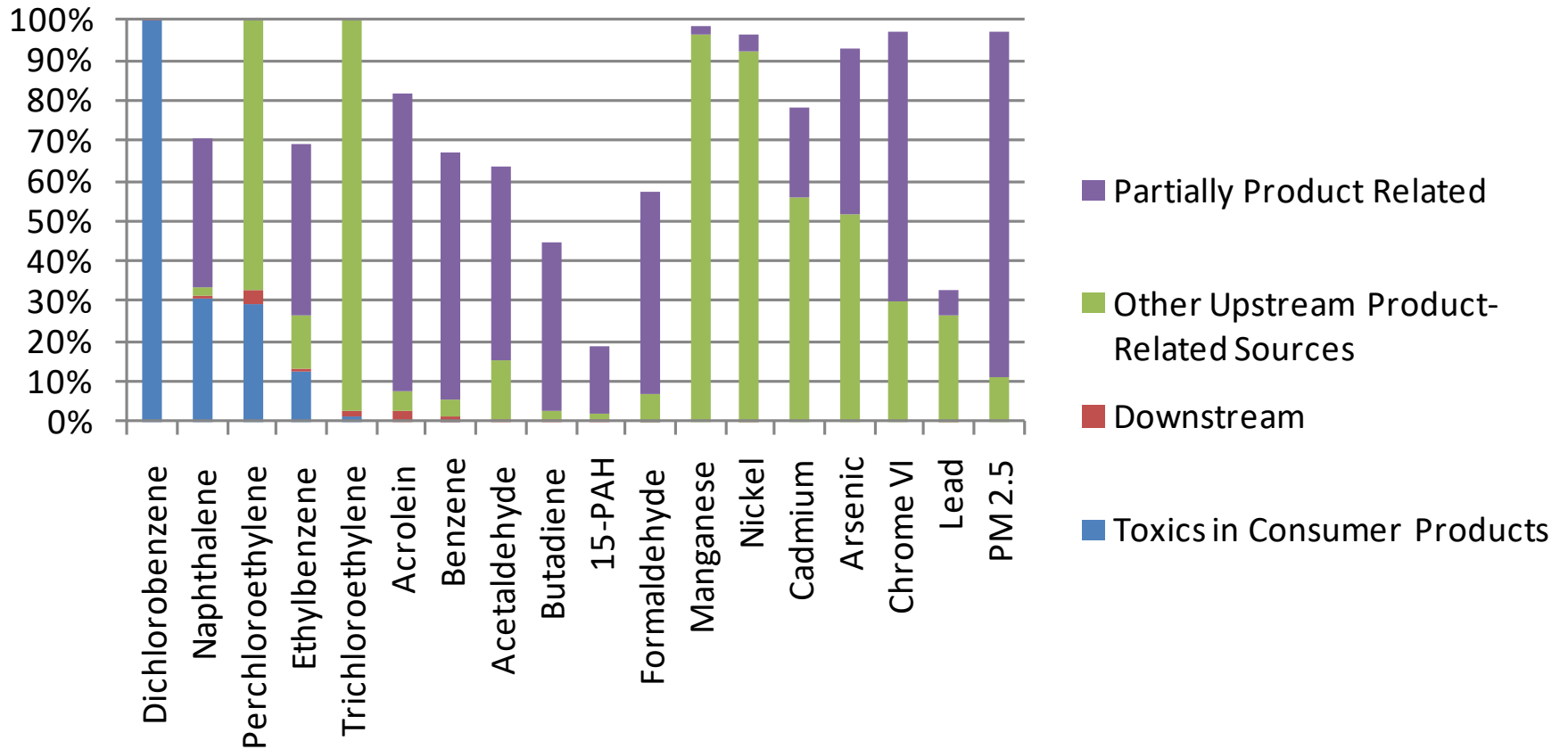
Portland Air Toxics Inventory (2005)



Portland Air Toxics Inventory (2005)

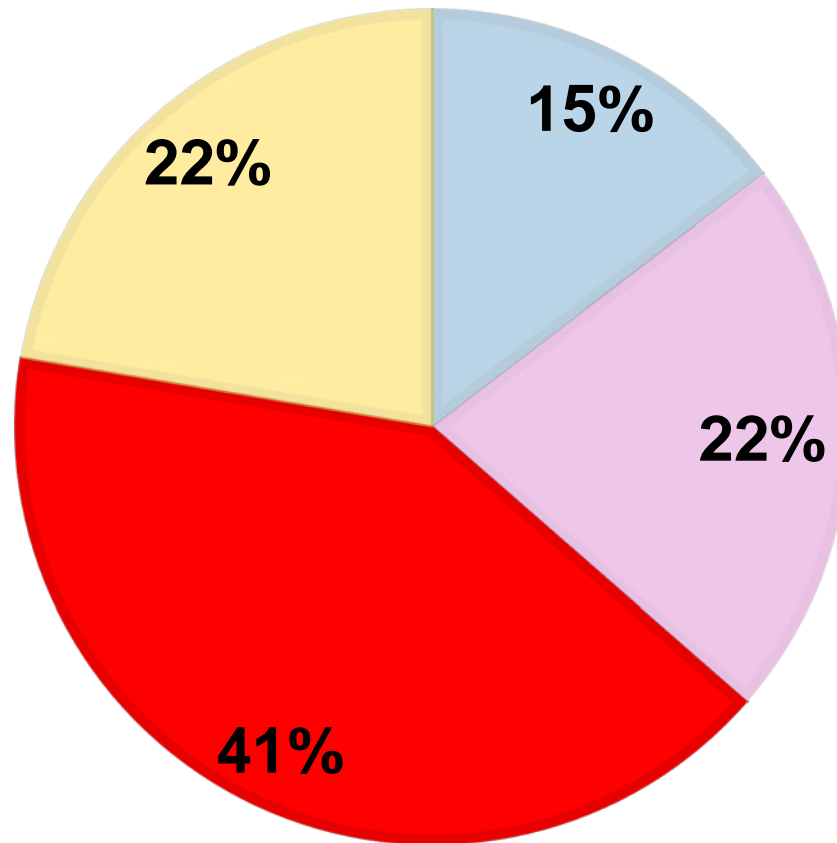


Portland Air Toxics Inventory (2005)

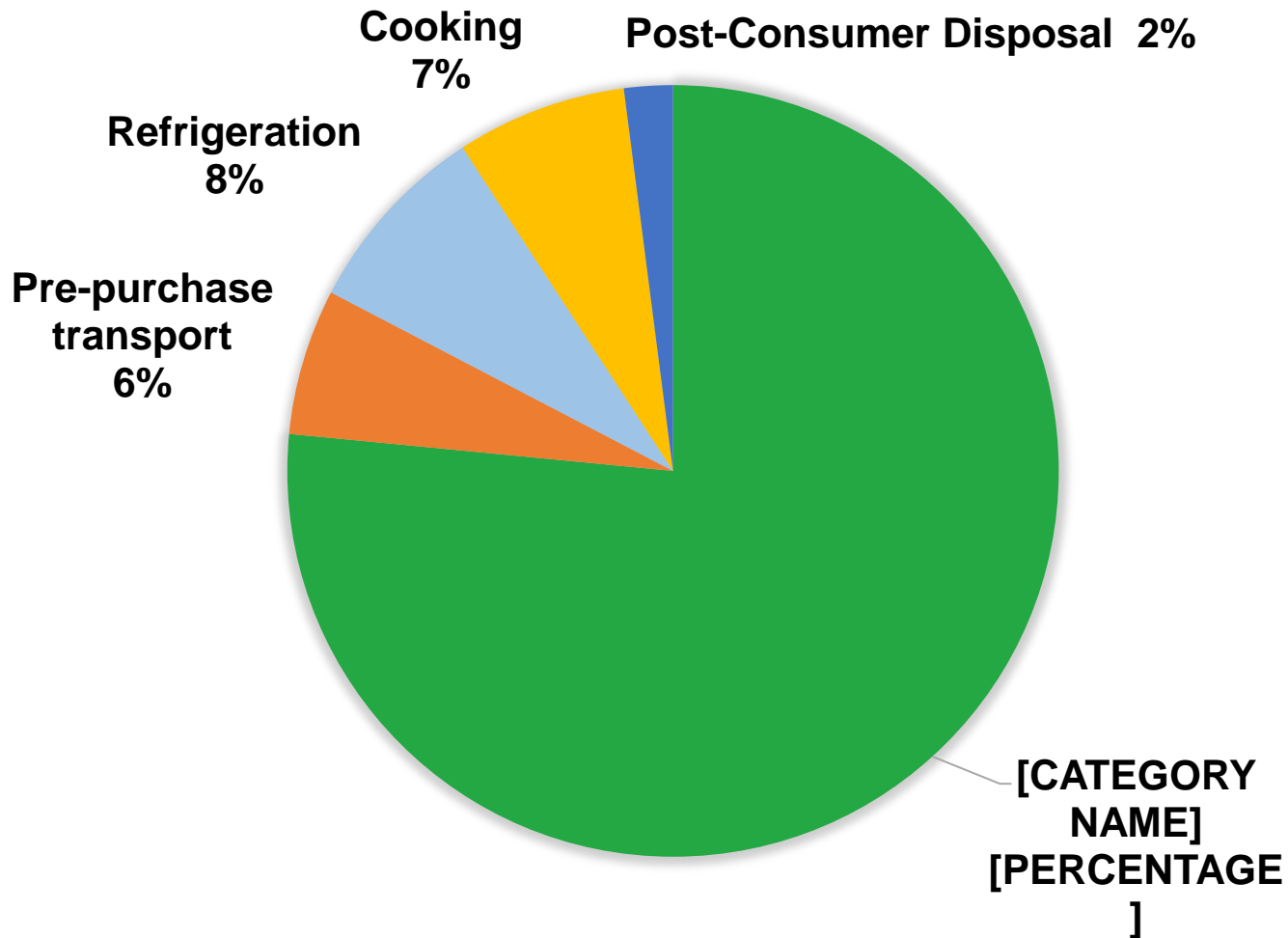


Oregon's Consumption-Based Greenhouse Gas Emissions (2010)

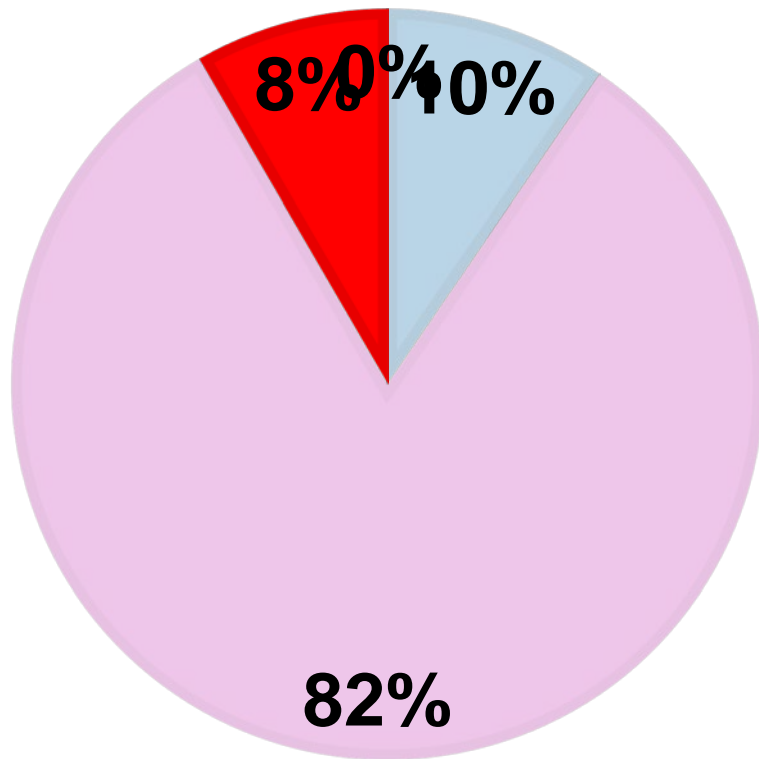
■ Electricity ■ Fuels ■ Materials ■ Services



Oregon Non-Restaurant Food Consumption-Based Greenhouse Gas Emissions by Life-Cycle Stage

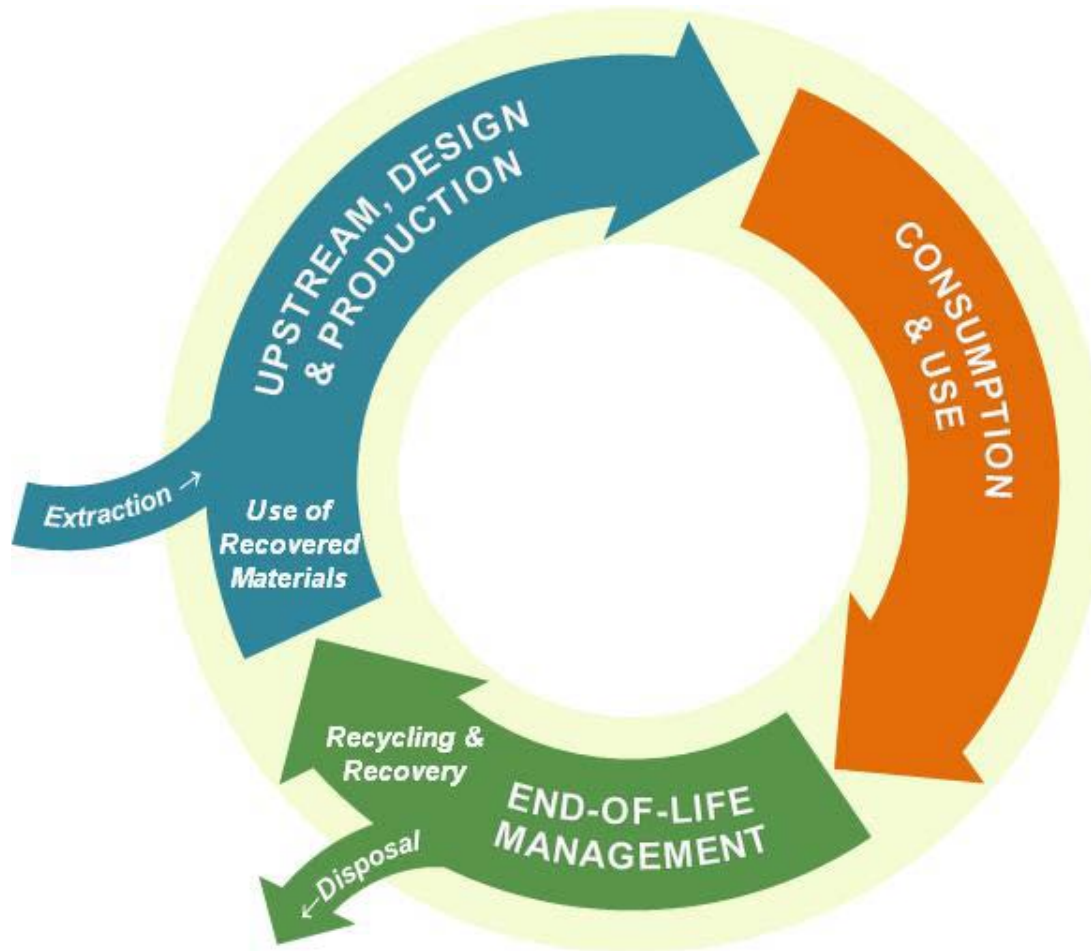


Oregon's Consumption-Based Greenhouse Gas Emissions (2010)



- Business Investment
- Household
- Government

Life Cycle Assessment



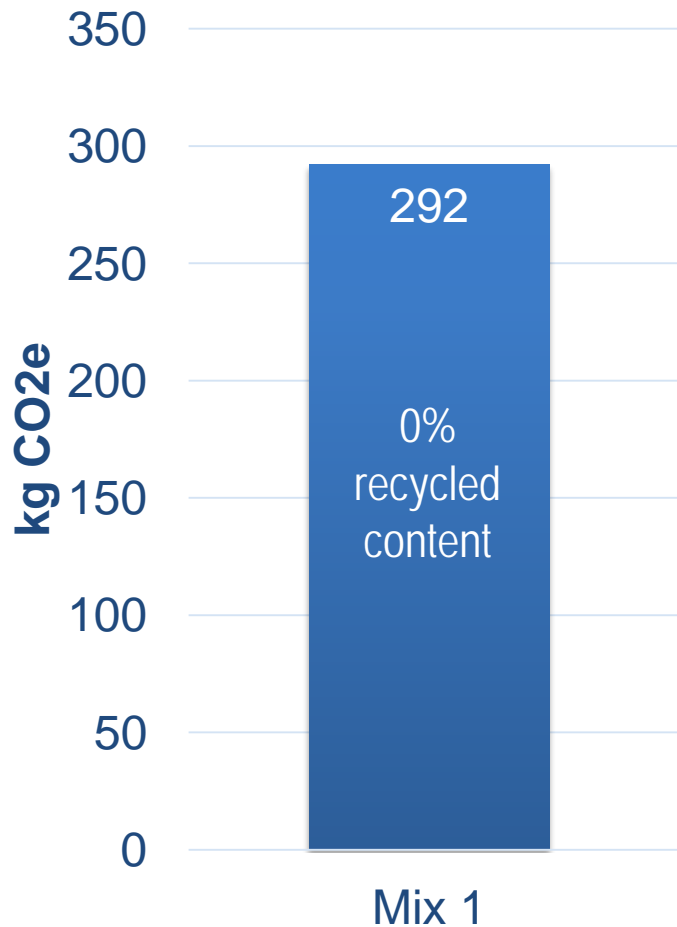
Impacts or Attributes?

Examples of Impacts	Examples of Attributes
Emissions of air toxics	“Local”
Use of non-renewable resources	Recyclable, compostable
GHG emissions	% recycled content




- Impacts are more challenging to evaluate . . . often requires life cycle assessment.
- Attributes are much easier to use – but are they helpful?

Recycled Content Doesn't Consistently Predict Environmental "Goodness"

Example: Concrete



... And Neither Does Recyclability

Coffee Packaging (11.5 oz product)	Material	Package Weight	Recyclable by Consumers?	Energy Used (MJ/11.5 oz)	GHG Emissions (lbs CO2e/11.5 oz product)*	Solid Waste Generated (lbs./ 100,000 oz. of product)
	Steel can, plastic lid	~4 oz.	Yes	4.21	0.33	1,305
	Plastic container and lid	~3 oz.	Yes	5.18	0.17	847
	Flexible pouch	~0.4 oz.	No	1.14	0.04	176

Source: US EPA

What's next for environmental procurement?



Oregon's "Green Chemistry" Procurement Guidelines

- Policy: www.oregon.gov/das/policies/107-009-0080.pdf
- Q&A: www.oregon.gov/das/policies/107-009-0080_attachment.pdf

What's next for environmental procurement?



Nutrition Facts	
Serving Size 1 packet (28g) makes 6-8 fl oz Servings Per Container 10	
Amount Per Serving	
Calories 110	Calories from Fat 10
% Daily Value*	
Total Fat 1g	2%
Saturated Fat 0.5g	2%
Cholesterol 0mg	0%
Sodium 150mg	6%
Total Carbohydrate 24g	8%
Dietary Fiber 1g	3%
Sugars 19g	
Protein 2g	
INGREDIENTS: SUGAR, NONFAT MILK, WHEY, PARTIALLY HYDROGENATED SOYBEAN OIL, COCOA PROCESSED WITH ALKALI, MARSHMALLOWS (SUGAR, CORN SYRUP, FOOD STARCH-MODIFIED, GELATIN, SODIUM HEXAMETAPHOSPHATE, ARTIFICIAL AND NATURAL FLAVORS, BLUE 1), CORN SYRUP SOLIDS, SODIUM CASEINATE, CARBOXYMETHYLCELLULOSE, SALT, ARTIFICIAL FLAVOR.	

EPD

“Environmental Product Declaration” =
A description of environmental impacts

HPD

“Health Product Declaration” =
A list of ingredients

Product Environmental Footprinting: Concrete

EPD “Nutrition” Label

Your Building Product

Amount per Unit

LCA IMPACT MEASURES	TOTAL
Primary Energy (MJ)	12.4
Global Warming Potential (kg CO ₂ eq)	0.96
Ozone Depletion (kg CFC-11 eq)	1.80E-08
Acidification Potential (mol H ⁺ eq)	0.93
Eutrophication Potential (kg N ⁻ eq)	6.43E-04
Photo-Oxidant Creation Potential (kg O ₃ eq)	0.121

Your Product’s Ingredients: Listed Here




3rd Party Certifications



Additional Resources

- Many described in www.oregon.gov/das/policies/107-009-0080.pdf
- Your chapter's website and your peers
- Responsible Purchasing Network
- Sustainable Purchasing Leadership Council
- West Coast Forum on Climate and Materials Management: Climate Friendly Purchasing Toolkit

Climate Friendly Purchasing Toolkit



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Climate Friendly Purchasing Toolkit

Harnessing the power of public purchasing to reduce Greenhouse Gas (GHG) Emissions

The Climate Friendly Purchasing Toolkit provides clear guidance, tested strategies, and critical resources for governments at all levels to reduce the GHG emissions through their supply chain.

[Learn More](#)

GHG Emissions from Public Institutions



Category	Percentage
PURCHASING	55%
OPERATIONS	45%

Getting Started

An organization's purchasing can account for 35-55% of its total GHG emissions!

Use this toolkit to lower the greenhouse gas emissions from the purchases of your public institution. The toolkit was developed to help government target their efforts on the most significant GHG emissions in their institution's supply chain, or the production of goods and services. You can learn from the efforts of other organizations to help identify high-leverage categories, or you can conduct your own survey. This toolkit also provides guidance on specific purchasing strategies on how to reduce an organization's carbon footprint.

Targeting Tools

To help government target their efforts on the most significant GHG emissions in the supply chain.

- How to complete a supply chain GHG inventory**
This detailed primer shows how to combine purchasing data and available LCA tools to get a complete picture of the GHG emissions in your organization's specific supply chain.
- Trends Analysis**
Instructions are provided on how to use the data from trends analysis to target GHG reductions. It is a compilation of more than 40 supply chain GHG inventories, sortable by organization type, size, and total supply chain budget.

Sector-specific strategies

Each module includes background on how the sector contributes to GHG emissions, and guidance on specific purchasing strategies to reduce GHG emissions.

- Carpeting & Flooring**
- Diesel Fuels**
- Information and Communication Technology (ICT)**
- Construction: Asphalt, Concrete, and More**
- Food**
- Professional Services**

Related Resources

Purchasing Resources	Case Studies	Measurement Tools
Including model and sample specifications, evaluation criteria, contract language, and vendor qualifications.	Real world experiences from organizations of all sizes.	Approaches for measuring and tracking GHG reductions in the supply chain and results from purchasing changes.

<http://www.westcoastclimateforum.com/cfpt>

Thank you

David Allaway

Oregon Department of Environmental Quality

allaway.david@deq.state.or.us