Moving Up the Hierarchy: Prevention and Reuse in Oregon

Part One of Two:
- Reuse and Repair
- Prevention in the Built Environment

David Allaway
Oregon Department of Environmental Quality

Northern California Recycling Association
March 20, 2018
Remember the Hierarchy?
Strategic Plan for Reuse, Repair and Product Lifespan Extension

• Priority materials:
  ➢ Building materials
  ➢ Textiles/clothing
  ➢ Remanufactured products

• Four strategies:
  ➢ Foundational research
  ➢ Develop infrastructure and build capacity
  ➢ Drive users to infrastructure
  ➢ Provide policy support where needed
Grants
Deconstruction Skills Training
Demolition Dust Controls

Best Practices for the Demolition of Residences with Lead-Based Paint

Portland adopts rules to contain lead and asbestos in home demolitions

Gallery: Asbestos removal in North Portland
Workforce Development Micro-Grants
Pilot Project: Mobile Device Repair Workforce Development

FREE GEEK

IFIXIT
School Drinking Water

Barlow High Bruins

Sign the Pledge and Commit to Use a Refillable Water Bottle

- Choose Tap Water Over Bottled Water Whenever Possible
- Carry a Reusable Water Bottle With Me

Refill them again and again

REFILL
REFUSE
REUSE
RETHINK

Boy using a water fountain to refill a water bottle.
City of Eugene Water Stations
Reusable vs. Single-Use Kegs
Whole Building Life Cycle Assessment
House Size Matters!

Average size of new single-family home and average persons per household in 1950 and 2005.

US Census and National Association of Home Builders
Small Houses

- Website: accessorydwellings.org
- Energy code
- Certification programs
- Financial incentives
Single-Family Housing Construction Permits, Portland

ADU Permits as a Percentage of All Single-Family Residential Permits
Thank You!

David Allaway
Oregon Department of Environmental Quality
allaway.david@deq.state.or.us