

Part Two: What We Know About MRW Costs

Megan Warfield
Waste 2 Resources
megan.warfield@ecy.wa.gov
360-407-6963

Three Phases of Product Life



Design &
Manufacture



Use



End of Life

Costs Associated with End of Life Phase

- **Health impacts of handling waste**
- **Environmental impacts if disposed**
- **Costs associated with collection programs**
 - **Facility construction**
 - **Facility operation**
 - **Staff/contractor time**
 - **Disposition (recycling, disposal etc.)**
 - **PR (education & outreach, advertising etc.)**

Sources of Financial Information

1. Annual Reports

- Employee Costs
- Contractor Disposal Costs
- Materials, Publicity, Other

2. CPG grants

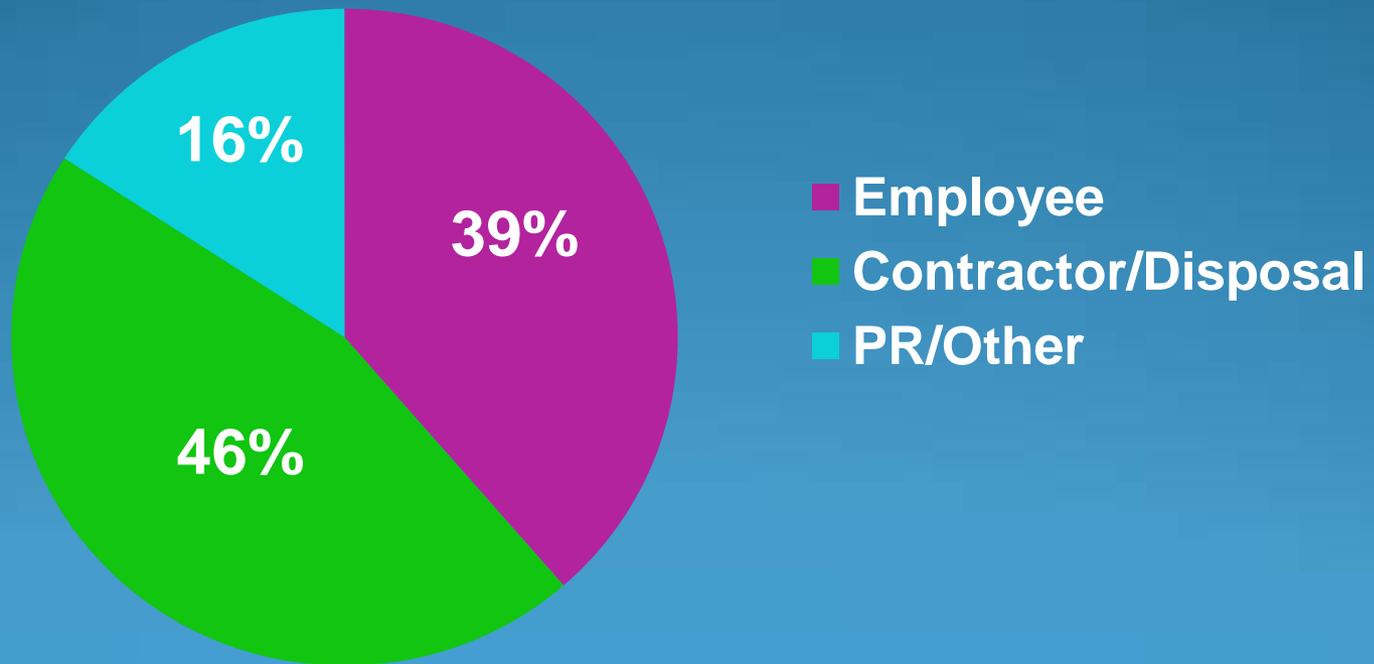
- Easy to get numbers for MRW-related projects
- Hard to track actual costs

3. Additional Information provided by you!

Information on Annual Reports

HHW Only

Total Costs 2007= \$10,508,402



Wide Range of HHW Costs

	Employee	Contractor	Other	Pounds HHW	Cost Per Pound
Minimum	\$ 0	\$ 500	\$ 0	1,591	\$ 0
Maximum	\$ 1,109,222	\$ 2,432,990	\$ 493,889	4,432,754	\$13.09
Average	\$ 115,886.28	\$ 136,612	\$ 47,742	424,815	\$1.05

Cost Per Pound in 2007

Per Annual Report Info (HHW)

- **TOTAL COSTS = \$10,508,402**
- **TOTAL POUNDS = 15,293,340**
- **COST PER POUND = 69 cents per pound**

Specific Info From 2 Counties

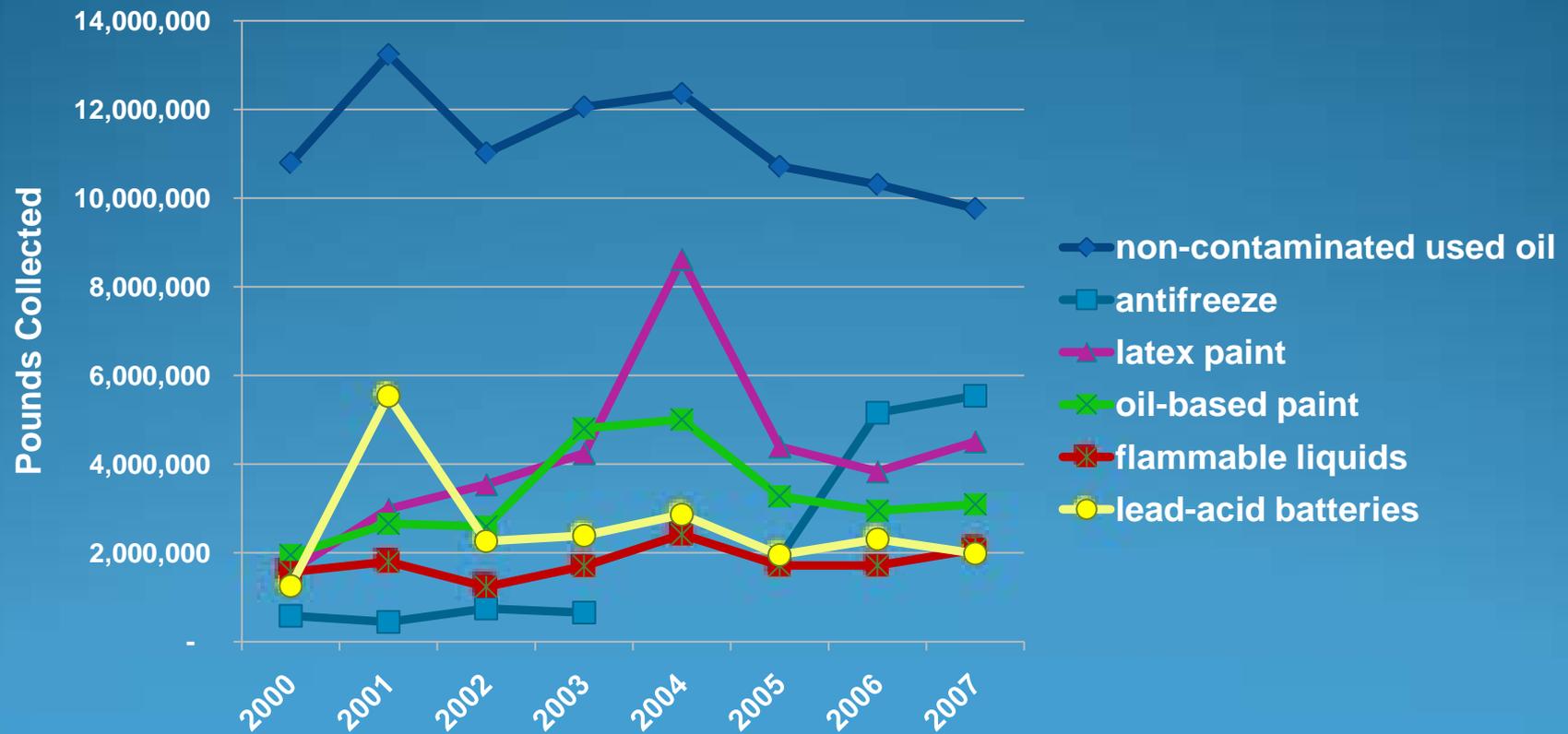
	County A	County B
Employee Costs	\$ 492,133	\$ 291,411
Contractor Disposal	\$ 325,223	\$ 97,665
Materials/Publicity/Other	\$ 209,136	\$ 62,025
TOTAL	\$ 1,026,492	\$ 379,101
% on CPG	48%	74%
# of Participants	17,422 (+535 CESQG)	6,560 (+654 CESQG)
Pounds HHW	2,128,755	28,338
Pounds CESQG	162,727	26,571
TOTAL Pounds	2,291,482	54,909
Cost per Pound	\$ 0.45	\$ 6.90

Examples of Info from CPG

- **05-07 Cycle: 45% of CPG funds supported MRW**
- **07-09 Cycle: 43% of CPG funds support MRW**
- **07-08 Offset Cycle:**
 - **\$9 million on MRW collection and disposal**
 - **\$840,000 on toxics reduction and education**
 - **\$22,000 for Environmental Preferable Purchasing**
 - **\$350,000 for Product Stewardship**
- **Prevention type activities are a small percentage of MRW related CPG funded-projects**

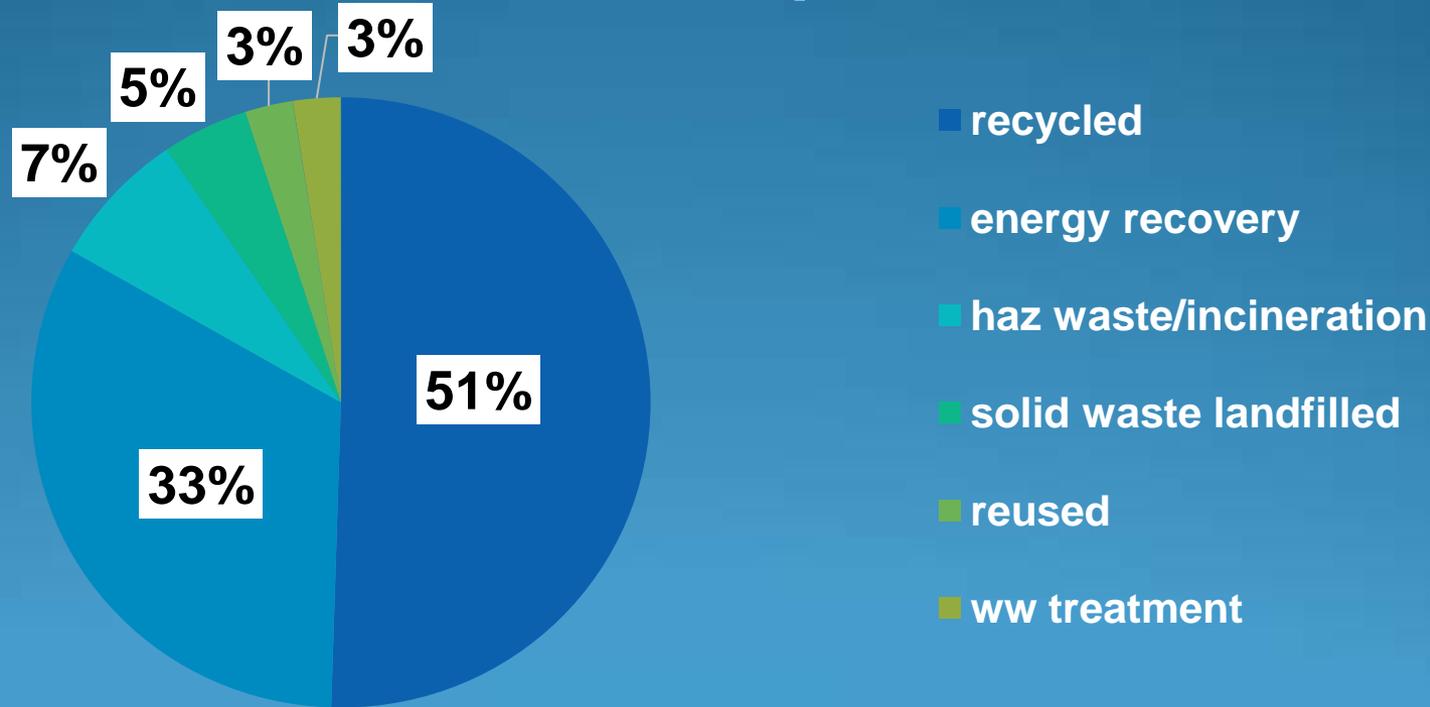
Are There Commodities That Could Be Handled Differently?

Dominant MRW Waste Types



Are There Different Handling Options?

Final Disposition



Questions About Costs

- **How should we gauge the success of these programs?**
- **Could you put limitations on certain waste streams as a costs savings measure?**
- **Are you running your program efficiently?**
- **How reliant are you on CPG? Can you make your program more sustainable?**
- **What data needs are there?**