

A Step-by-Step Guide to Conducting a Wasted Food Assessment with EPA's Reducing Wasted Food & Packaging Toolkit

Milestone 4: Measuring Impact

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Amanda Hong, EPA Region 9
hong.amanda@epa.gov



Overview of tools discussed today

- Track your wasted resources with **EPA's Reducing Wasted Food & Packaging Toolkit**
 - http://www.epa.gov/waste/consERVE/foodwaste/docs/foodwaste_audit_tool.xlsm
- Use tracking data to report baseline and annual progress in **EPA's Food Recovery Challenge**
 - <http://www.epa.gov/foodrecoverychallenge/>
- Measure your climate impact with **EPA's Waste Reduction Model** to estimate the GHGs saved thanks to your prevention or diversion efforts
 - <http://www.epa.gov/warm>

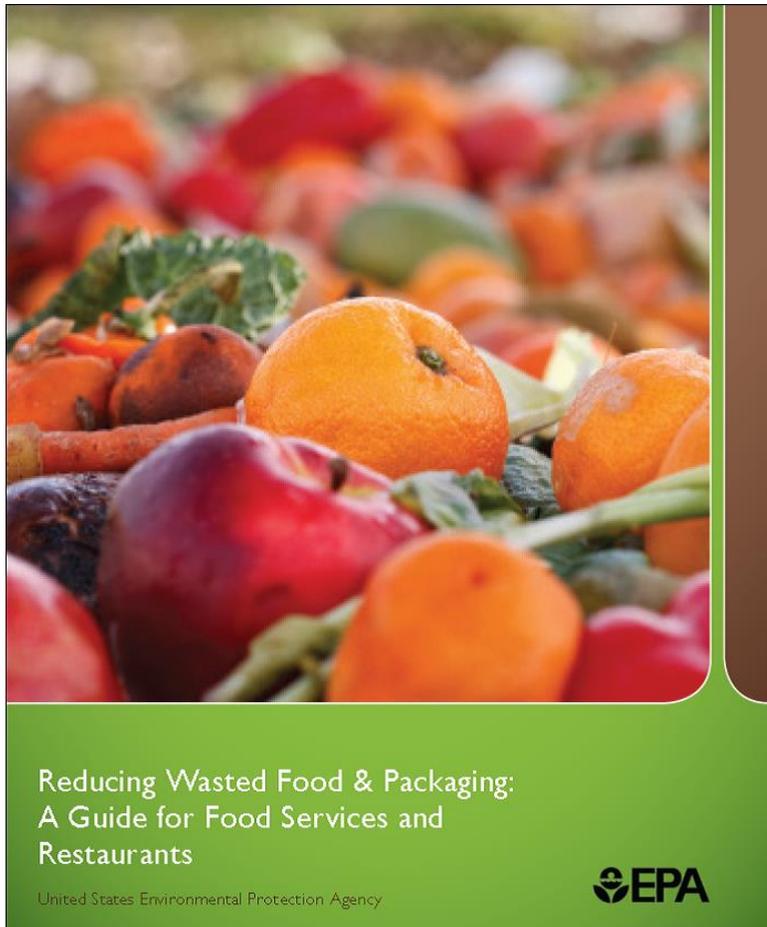


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EPA's Reducing Wasted Food & Packaging Toolkit

2 resources in 1 toolkit: a [PDF guide](#) and a programmed [Excel spreadsheet](#)



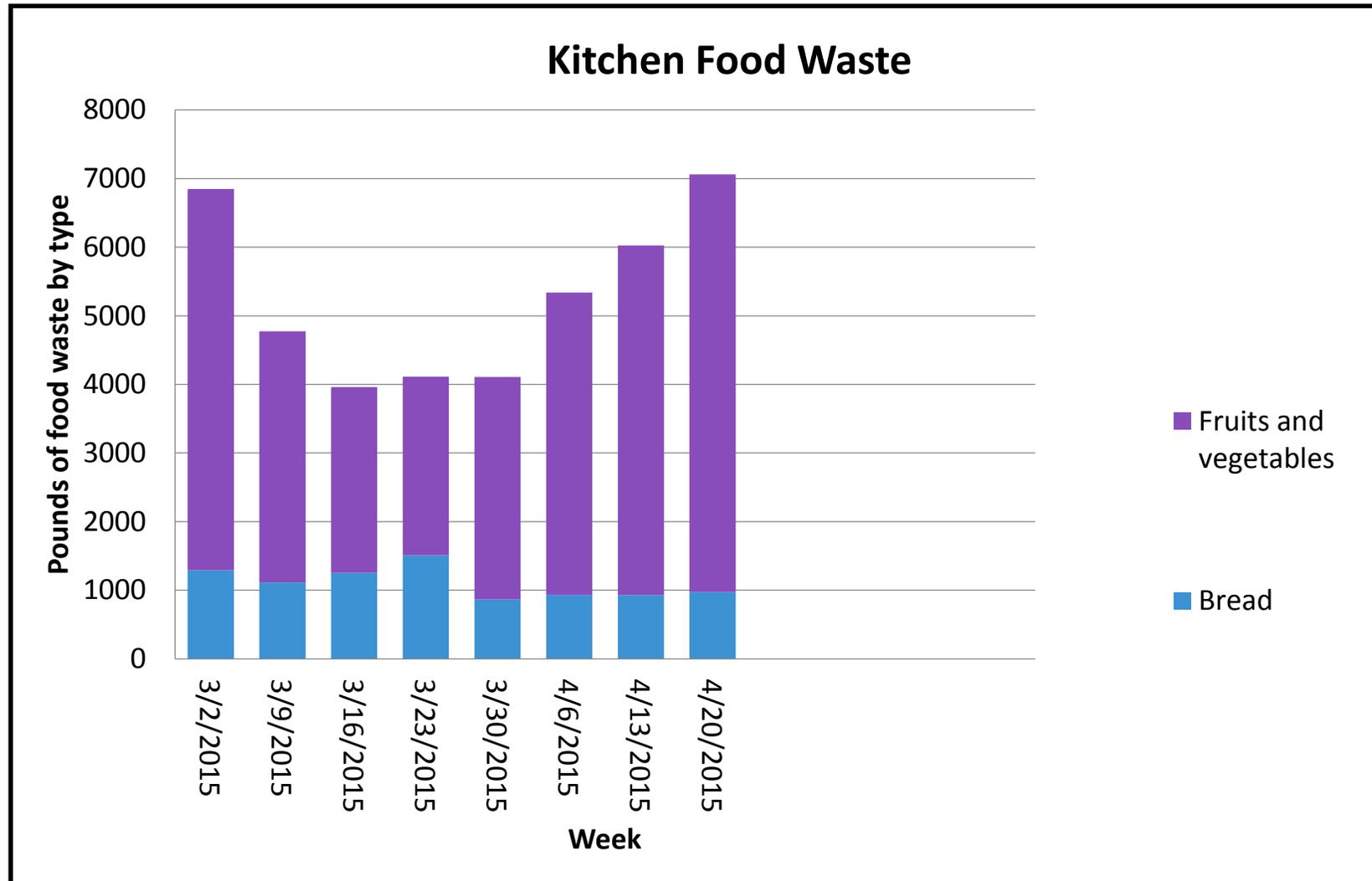
PDF guide: http://www.epa.gov/foodrecovery/docs/reducing_wasted_food_pkg_tool.pdf

Excel tracking spreadsheet: http://www.epa.gov/waste/consERVE/foodwaste/docs/foodwaste_audit_tool.xlsm

Using toolkit tracking data: Costco example

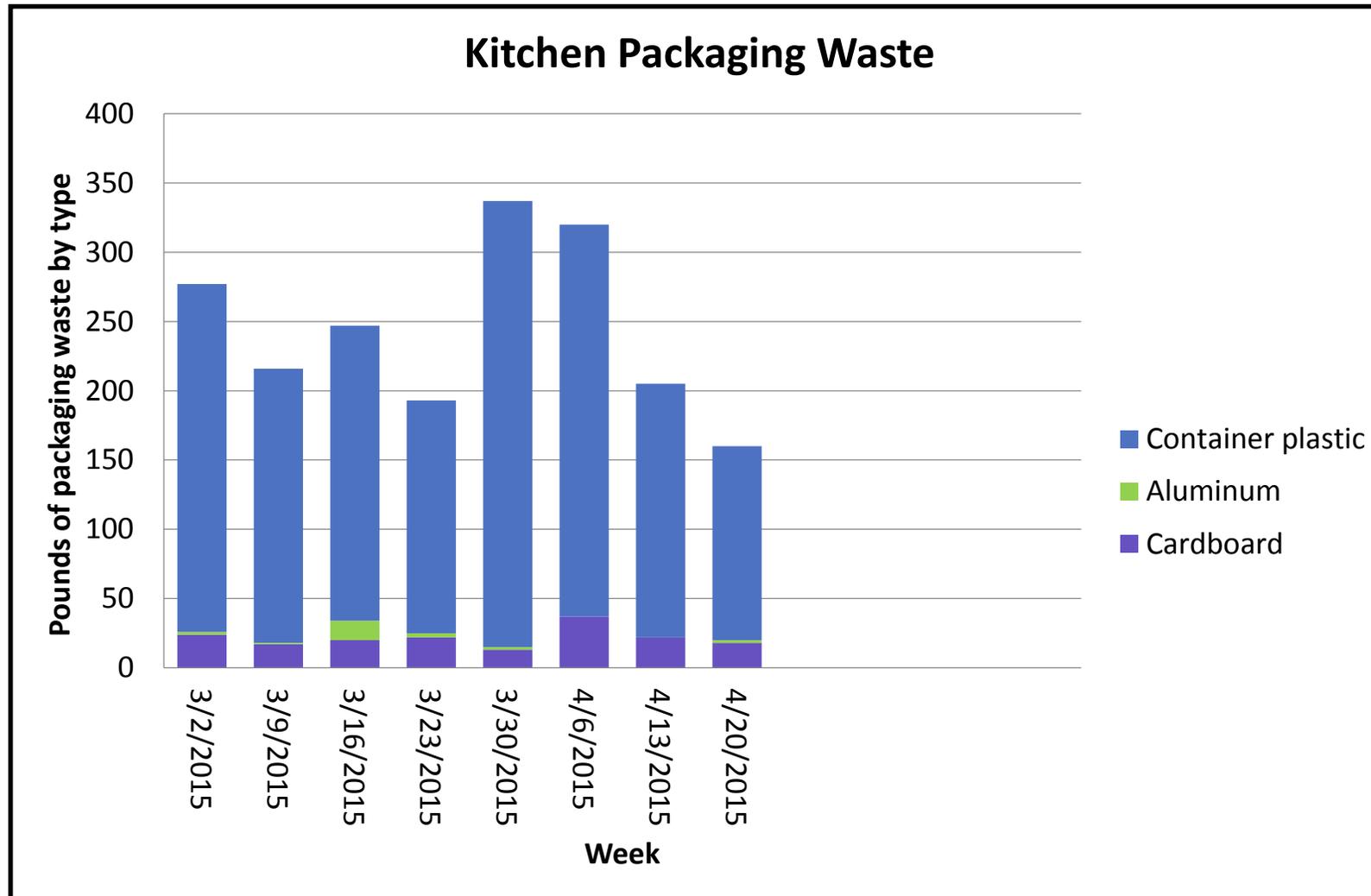
		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Week Starting Date:		3/2/2015	3/9/2015	3/16/2015	3/23/2015	3/30/2015	4/6/2015	4/13/2015	4/20/2015
Kitchen Food Waste	Protein	0	0	0	0	0	0	0	0
	Bread	1293	1114	1252	1507	864	932	927	976
	Grain	0	0	0	0	0	0	0	0
	Fruits and vegetables	5554	3660	2711	2605	3245	4407	5097	6084
	Dairy	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0
	Total	6847	4774	3963	4112	4109	5339	6024	7060
Week Starting Date:		3/2/2015	3/9/2015	3/16/2015	3/23/2015	3/30/2015	4/6/2015	4/13/2015	4/20/2015
Kitchen Packaging Waste	Paper	0	0	0	0	0	0	0	0
	Cardboard	24	17	20	22	13	37	22	18
	Aluminum	2	1	14	3	2	0	0	2
	Steel	0	0	0	0	0	0	0	0
	Container plastic	251	198	213	168	322	283	183	140
	Other plastic	0	0	0	0	0	0	0	0
	Glass	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0
Total	277	216	247	193	337	320	205	160	
Week Starting Date:		3/2/2015	3/9/2015	3/16/2015	3/23/2015	3/30/2015	4/6/2015	4/13/2015	4/20/2015
Total Food and Packaging Waste	Total	7124	4990	4210	4305	4446	5659	6229	7220

Using toolkit tracking data: Costco example



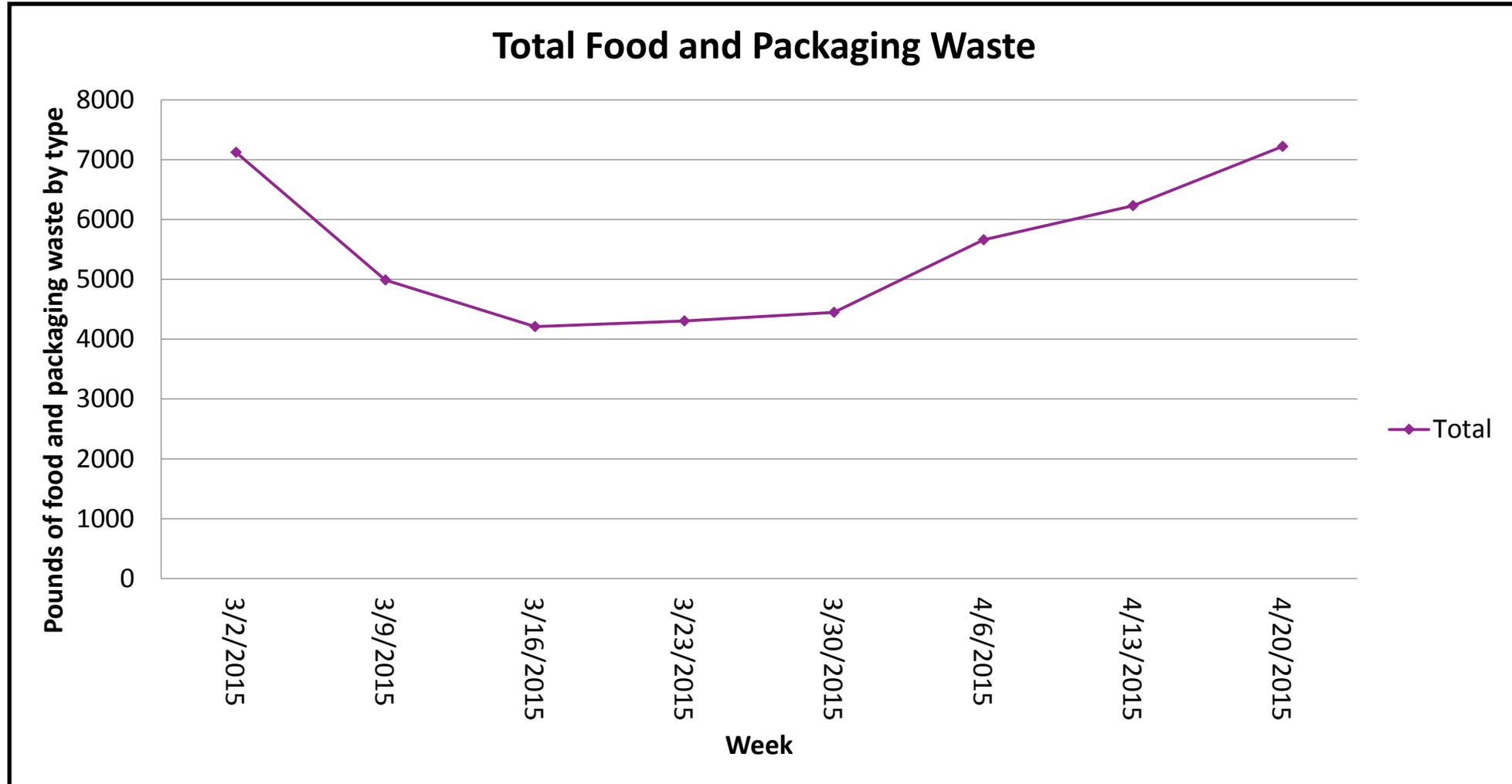
- Current destination: Landfill

Using toolkit tracking data: Costco example



- Current destination: Landfill

Using toolkit tracking data: Costco example



Using toolkit tracking data: Costco example

Wasted Material	8-Week Total (lbs.)
Fruits and Vegetables (Produce Dept.)	33363.00
Bread (Bakery Dept.)	8865.00
Mixed Plastics	1758.00
Cardboard	173.00
Aluminum	24.00
Food Total	42228.00
Packaging Total	1955.00
Food and Packaging Total	44183.00

Using toolkit tracking data: Costco example

1. Divide total by # of weeks to get average lbs per week

Wasted Material	8-Week Total (lbs.)	Average Per Week (lbs.)
Fruits and Vegetables (Produce Dept.)	33363.00	4170.38
Bread (Bakery Dept.)	8865.00	1108.13
Mixed Plastics	1758.00	219.75
Cardboard	173.00	21.63
Aluminum	24.00	3.00
Food Total	42228.00	5278.50
Packaging Total	1955.00	244.38
Food and Packaging Total	44183.00	5522.88

Using toolkit tracking data: Costco example

1. Divide total by # of weeks to get average lbs per week
2. Multiply by 52 to get average lbs per year

Wasted Material	8-Week Total (lbs.)	Average Per Week (lbs.)	Average Per Year (lbs.)
Fruits and Vegetables (Produce Dept.)	33363.00	4170.38	216859.50
Bread (Bakery Dept.)	8865.00	1108.13	57622.50
Mixed Plastics	1758.00	219.75	11427.00
Cardboard	173.00	21.63	1124.50
Aluminum	24.00	3.00	156.00
Food Total	42228.00	5278.50	274482.00
Packaging Total	1955.00	244.38	12707.50
Food and Packaging Total	44183.00	5522.88	287189.50

Using toolkit tracking data: Costco example

1. Divide total by # of weeks to get average lbs per week
2. Multiply by 52 to get average lbs per year
3. Divide by 2000 to get average tons per year

Wasted Material	8-Week Total (lbs.)	Average Per Week (lbs.)	Average Per Year (lbs.)	Average Per Year (tons)
Fruits and Vegetables (Produce Dept.)	33363.00	4170.38	216859.50	108.43
Bread (Bakery Dept.)	8865.00	1108.13	57622.50	28.81
Mixed Plastics	1758.00	219.75	11427.00	5.71
Cardboard	173.00	21.63	1124.50	0.56
Aluminum	24.00	3.00	156.00	0.08
Food Total	42228.00	5278.50	274482.00	137.24
Packaging Total	1955.00	244.38	12707.50	6.35
Food and Packaging Total	44183.00	5522.88	287189.50	143.59

Using toolkit tracking data: Costco example

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Report only yearly food numbers for FRC!



Using toolkit tracking data: Costco example

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Determine GHG savings for both food and packaging with WARM





Now over to Andre Villaseñor for a look at EPA's Food Recovery Challenge!

Amanda Hong
hong.amanda@epa.gov
415-947-4103



Questions?

Dave Klein and Chris Henson – Costco
w632mgr3@costco.com

Amanda Hong – EPA’s Reducing
Wasted Food & Packaging Toolkit
hong.amanda@epa.gov

Andre Villasenor – EPA’s Food
Recovery Challenge
villasenor.andre@epa.gov

Bobby Renz – EPA’s Waste Reduction
Model
Bobby.Renz@icfi.com

