The Solid Waste Data Report

Clark County, WA

# of Single Family Households												
City	Totals	% change	County UGA	County Rural	Battle Ground	Camas	La Center	Ridgefield	Vancouver	Washougal	Woodland	Yacolt
1999	102,303		34,643	19,241	2,646	4,194	545	717	37,251	2,696	42	328
2000	105,413	3.04%	35,905	19,596	2,861	4,406	581	725	38,188	2,776	43	332
2001	107,846	2.31%	36,960	19,877	3,048	4,583	601	730	38,790	2,867	43	347
2002	112,057	3.90%	38,631	20,432	3,494	5,060	640	738	39,577	3,086	43	356
2003	114,545	2.22%	39,479	20,795	3,865	5,225	670	745	40,124	3,242	43	357
2004	118,875	3.78%	41,276	21,268	4,390	5,434	730	911	40,894	3,561	45	366
2005	122,024	2.65%	42,436	21,737	4,526	5,745	797	1,057	41,413	3,886	45	382
2006	125,119	2.54%	43,810	22,058	4,623	5,788	847	1,351	41,929	4,226	45	442

Single Family Curbside Recycling (in tons – includes reject)

Year	Urban County*	Rural County**	Vancouver	**Subtotal**	Camas	Washougal	Ridgefield	Totals
1999	10,802	871	12,542	24,216	1135	813		26,163
2000	11,579	1,449	12,636	25,664	1334	945	99	28,042
2001	11,321	1,485	12,184	24,990	1321	936	103	27,350
2002	10,942	2,568	12,091	25,601	1364	965	119	28,049
2003	13,147	1,976	12,815	27,938	1700	1,202	125	30,965
2004	14,509	2,036	13,882	30,427	1850	1,311	164	33,752
2005	14,630	2,305	13,686	30,621	1756	1,244	238	33,859
2006	13,705	2,364	12,471	28,540	1,768	1,252	247	31,807

* Includes City of Battle Ground – 2002 expands to burn ban area

**The rural curbside collection program began March 1, 1999 (includes La Center, Yacolt)

*** tare weight adjustment April 2005

Notes: volume of recycling bins = 33.6 gallons (11.2 gallons per bin); WM and WCI swapped yard debris and recycling customers 2003; WCI assumes WM customers Sept. 2005

Source: Contractor Monthly Reports

Single Family Curbside Recycling (Average Households Served)

Year	Urban County	Rural County	Vancouver	**Subtotal**	Camas	Washougal	Ridgefield	Totals
1999	26,981	2208	35,070	64,259	4430	3087		71,776
2000	27,895	2,926	35,807	66,628	4547	3,107		74,282
2001	29,372	3,323	36,463	69,158	4531	3,096		76,785
2002	29,776	4,845	37,391	72,012	4684	3,189		79,885
2003	33,586	4,302	38,418	76,306	4896	3,359		84,561
2004	35,792	4,661	34,842	75,295	5119	3,614		84,028
2005	37,632	5,232	38,444	81,308	5317	3,921		90,546
2006	38,716	5,630	37,022	81,368	5,425	4,232	625	91,650

Source: Contractor Monthly Reports

Pounds of SF Materials Recycled Per Household Per Month

Year	Urban County	Rural County	Vancouver	Camas	Washougal	Ridgefield
1999	67	66	60	43	44	
2000	69	83	59	49	51	
2001	64	74	56	49	50	
2002	61	88	54	49	50	
2003	65	77	56	58	60	
2004	68	73	66	60	60	
2005	65	73	59	55	53	
2006	59	70	56	54	49	66

Multifamily Recycling (in tons – includes reject)

Year	Urban County*	Vancouver	Cardboard Cage	**Subtotal**	Camas	Washougal	Ridgefield	Totals
1999	715	1,919		2,634				2,634
2000	752	1,966		2,718				2,718
2001	769	2,040		2,809				2,809
2002	740	1,922		2,662				2,662
2003	732	1,849		2,581				2,581
2004	761	1,814		2,575				2,575
2005	832	1,876		2,708				2,708
2006	712	1,441	185	2,338				2,338

Source: Contractor Monthly Reports

Multifamily Recycling (Average Units Served)

Year	Urban County	Vancouver	**Subtotal**	Camas	Washougal	Ridgefield	Totals
1999	6,563	17,870	24,433				24,433
2000	6,756	18,456	25,212				25,212
2001	6,953	19,505	26,458				26,458
2002	7,251	19,861	27,112				27,112
2003	7,342	23,256	30,598				30,598
2004	7,455	21,220	28,675				28,675
2005	7,645	21,410	29,055				29,055
2006	7,884	21,926	29,810				29,810

Source: Contractor Monthly Reports

Pounds of MF Materials Recycled Per Unit Per Month

Year	Urban County	Vancouver	Camas	Washougal	Ridgefield
1999	18	18			
2000	19	18			
2001	18	17			
2002	17	16			
2003	17	13			
2004	17	14			
2005	17	15			
2006	18	11			

Yard Debris Recycling (in tons)								
Year	Urban County*	Vancouver	**Subtotal**	Camas*	Washougal*	Ridgefield	La Center	Totals
1999	8,453	9835	18,288					18,288
2000	9,174	10,339	19,513	715	250			20,478
2001	8,505	9,308	17,813	829	297			18,939
2002	9,784	9,710	19,494	987	334			20,815
2003	9,972	10,297	20,269	976	316			21,561
2004	10,908	12,546	23,454	1,244	374			25,071
2005	9,732	12750	22,482	1,463	763			24,708
2006	9,499	11548	21,047	1,690	949	121	164	23,971

* Waste Connections reports in cubic yards used City of Vancouver/County conversion of 750 pounds per

** Includes City of Battle Ground, La Center, Yacolt – 2002 expands to burn ban area. WM and WCI swapped yard debris and recycling customers 2003; WCI assumes WM customers Sept. 2005.*

Source: Contractor Monthly Reports

Yard Debris Recycling (Average Households Served)								
Year	Urban County	Vancouver	**Subtotal**	Camas	Washougal	Ridgefield	La Center	Totals
1999	8,928	11156	20,084					20,084
2000	9,629	12,575	22,204	1,414	462			24,080
2001	12,020	13,596	25,616	1,315	408			27,339
2002	13,664	14,173	27,837	1,460	441			29,738
2003	13,937	16,141	30,078	1,647	463			32,188
2004	15,224	16,325	31,549	1,844	548			33,941
2005	16,918	17202	34,120	2,041	780			36,941
2006	18,171	17911	36,082	2,166	980	221	282	39,731

Source: Contractor Monthly Reports

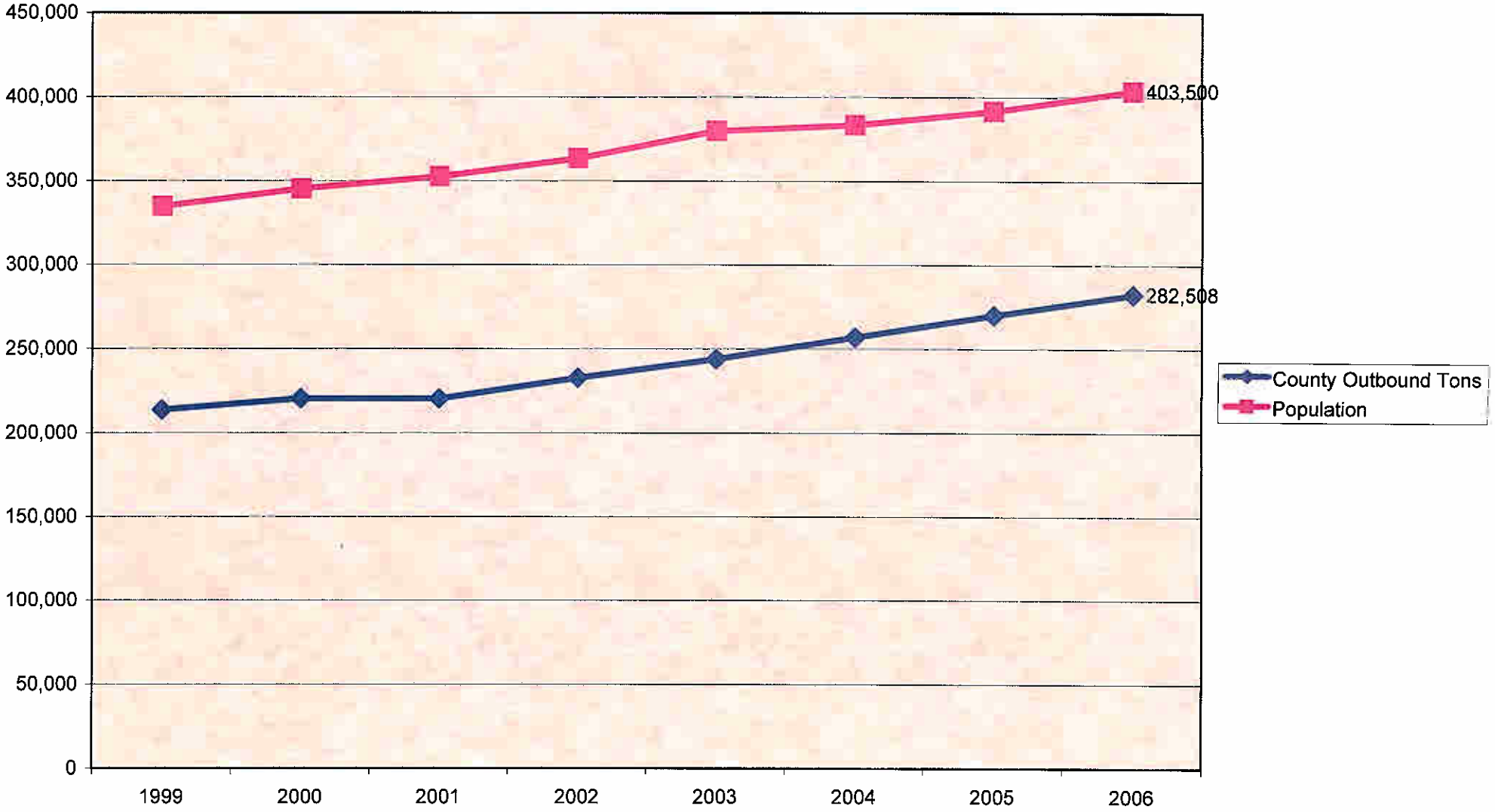
Pounds of YD Recycled Per Household Per Month

Year	Urban County	Vancouver	Camas	Washougal	Ridgefield	La Center
1999	158	147				
2000	159	137	84	90		
2001	118	114	105	121		
2002	119	114	113	126		
2003	119	106	99	114		
2004	119	128	112	114		
2005	96	124	119	163		
2006	87	107	130	161	91	97

Year	County Inbound Tons	% increase over previous year	County Outbound Tons	% increase over previous year	Population	% increase over previous year
1993	183210		173,092		269,500	
1994	196385	7.2%	182,537	5.5%	280,800	4.2%
1995	197446	0.5%	185,690	1.7%	291,000	3.6%
1996	216420	9.6%	202,981	9.3%	303,500	4.3%
1997	223906	3.5%	209,960	3.4%	319,000	5.1%
1998	223280	-0.3%	211,487	0.7%	328,000	2.8%
1999	227259	1.8%	213,696	1.0%	334,651	2.0%
2000	233113	2.6%	220,459	3.2%	345,238	3.2%
2001	232499	-0.3%	220,277	-0.1%	352,600	2.1%
2002	242554	4.3%	232,769	5.7%	363,400	3.1%
2003	254019	4.7%	244,021	4.8%	379,577	4.5%
2004	266993	5.1%	256,899	5.3%	383,300	1.0%
2005	281566	5.5%	270,016	10.7%	391,500	3.1%
2006	291362	3.5%	282,508	10.0%	403,500	5.3%

Note: Tons sent to landfill (OUTBOUND) includes special waste (Industrial Waste, Contaminated Soils, Asbestos, Wastewater Treatment Plant Ash). Source: CRC monthly reports

Chart I. Annual Tons Landfilled & Population



Special Wastes

	CTR			West Van					
Year	Industrial Waste	Soil (ADC)	Asbestos	Industrial Waste	Soil	WWTP Ash	Asbestos	Totals	MARR
1999	4,577	5	16	1,843	524	1,807	0	8,772	
2000	4,188	0	78	1,621	23	1,939	0	7,849	
2001	3,873	134	20	2,427	20	1,919	16	8,410	8,414
2002	3,663	0	42	2,463	0	2,011	3	8,181	9,189
2003	3,685	0	26	1,574	7	1,917	10	7,218	8,067
2004	2,851	5	18	1,077	10	1,625	1	5,586	5,690
2005	2,848	2	15	1,032	0	0	15	3,912	3,924
2006	3,014	281	144	1,351	0	0	17	4,807	4,877

Source: CRC (Sherry Kehoe)

Year	Tons Landfilled*	Tons Recycled	Tons Recovered**	Recycling Rate	Diversion Rate	Population	Pounds Per Capita Landfilled Per Day	Pounds Per Capita Recycled Per Day	Pounds Per Capita Recovered Per Day	Pounds Per Capita Generated Per Day
2000	212,610	-	-	30.7%	51.8%	345,238	3.37			
2001	211,847	-	-	30.0%	43.1%	352,600	3.29			
2002	223,648	-	-	-	-	363,400	3.37			
2003	235,284	161,295	57,192	35.5%	48.1%	379,577	3.40	2.33	0.83	6.55
2004	251,171	195,451	81,049	37.0%	52.4%	383,300	3.59	2.79	1.16	7.54
2005	265,690	224,099	95,487	38.3%	54.6%	391,500	3.72	3.14	1.34	8.19
2006	277,529	225,930	126,560	35.9%	55.9%	403,500	3.77	3.07	1.72	8.56

** MARR total adjusted outbound (no Metro, no Special Waste)*

*** Does not include rubble from Pac Rock, Ricker, Schmid, etc.*

2006		2005		2004		2003	
RECYCLE RATE	35.9%	RECYCLE RATE	33.3%	RECYCLE RATE	37.0%	RECYCLE RATE	35.5%
RECOVERY RATE	20.1%	RECOVERY RATE	16.3%	RECOVERY RATE	15.4%	RECOVERY RATE	12.6%
TOTAL DIVERSION RATE	55.9%	TOTAL DIVERSION RATE	49.6%	TOTAL DIVERSION RATE	52.4%	TOTAL DIVERSION RATE	48.1%
GARBAGE	277529	GARBAGE	265690	GARBAGE	251171	GARBAGE	235284
RECYCLED Items		RECYCLED Items		RECYCLED Items		RECYCLED Items	
Sheetrock	1	Sheetrock	29	Sheetrock	875	Sheetrock	1098
Yard Debris Inbound	55273	Yard Debris Inbound	55463	Yard Debris Inbound	53313	Yard Debris	39875
Yard Debris (CY)	1194	Yard Debris (CY)	872	Yard Debris (CY)	1602	Yard Debris (CY)	1341
Food Waste	986	Food Waste	657	Food Waste	1562	Food Waste	1120
OCC / Cores	23828	OCC / Cores	33524	OCC / Cores	30188	OCC / Cores	24618
MCDB	51	MCDB	44	MCDB	40	MCDB	40
Newsprint	11745	Newsprint	11707	Newsprint	13418	Newsprint	11171
Paper	42457	Paper	33668	Paper	36095	Paper	29126
Glass	2589	Glass	2715	Glass	3020	Glass	2302
Glass Cullet	299	Glass Cullet	163	Glass Cullet	418	Glass Cullet	835
Appliances	148	Appliances	2	Appliances	292	Appliances	104
Alum	751	Alum	678	Alum	545	Alum	489
Other Non-Ferrous	2495	Other Non-Ferrous	756	Other Non-Ferrous	4044	Other Non-Ferrous	1486
Tin Cans	3144	Tin Cans	3377	Tin Cans	1488	Tin Cans	1064
Ferrous	76952	Ferrous	73440	Ferrous	43627	Ferrous	41537
Plastic - PET	782	Plastic - PET	2459	Plastic - PET	850	Plastic - PET	563
Plastic - HDPE Nat	710	Plastic - HDPE Nat	451	Plastic - HDPE Nat	712	Plastic - HDPE Nat	586
Plastic - HDPE Col	349	Plastic - HDPE Col	332	Plastic - HDPE Col	298	Plastic - HDPE Col	234
Plastic - Other	314	Plastic - Other	1373	Plastic - Other	687	Plastic - Other	474
Foam Padding	96	Foam Padding	224	Foam Padding	115	Foam	45
Wood Recy	0	Wood Recy	337	Wood Recy	948	Wood Recy	2149
Commingled	1	Commingled	80	Commingled	0	Commingled	0
Batteries (Car)	495	Batteries (Car)	657	Batteries (Car)	495	Batteries	571
Batteries (HH)	426	Batteries (HH)	1	Batteries (HH)	0	Batteries (HH)	0
Latex Paint	281	Latex Paint	378	Latex Paint	367	Latex Paint	233
Fluorescent Lights	17	Fluorescent Lights	18	Fluorescent Lights	19	Fluorescent Lights	16
Antifreeze	108	Antifreeze	379	Antifreeze	337	Antifreeze	152
Toner Cartridges	0	Toner Cartridges	0	Toner Cartridges	0	Toner Cartridges	63
Electronics	353	Electronics	218	Electronics	0	Electronics	0
Other	86	Other	97	Other	96	Other	0
TOTAL	225930	TOTAL	224099	TOTAL	195451	TOTAL	161295
RECOVERY Items (No Auto Hulks)		RECOVERY Items (No Auto Hulks)		RECOVERY Items (No Auto Hulks)		RECOVERY Items (No Auto Hulks)	
C&D	4142	C&D	2279	C&D	6193	C&D	
Wood Energy Rec	99731	Wood Energy Rec	61384	Wood Energy Rec	49819	Wood Energy Rec	34286
Oil	4206	Oil	7616	Oil	6581	Oil	5820
Oil Filters	80	Oil Filters	178	Oil Filters	483	Oil Filters	112
Tires	501	Tires	395	Tires	489	Tires	487
HHW Fuel	0	HHW Fuel	0	HHW Fuel	0	HHW Fuel	0
Rendering	244	Rendering	13100	Rendering	11220	Rendering	10358
Rubble	14411	Rubble	6003	Rubble	2931	Rubble	2972
Roofing	1487	Roofing	2774	Roofing	1575	Roofing	1260
Vactor/Sweepings/Brush	1758	Vactor/Sweepings/Brush	1758	Vactor/Sweepings/Brush	1758	Vactor/Sweepings/Brush	1897
TOTAL	126560	TOTAL	95487	TOTAL	81049	TOTAL	57192

Energy Consumed/Avoided from MSW Management Options (Million Btu's/Ton Recycled)

Material	Source Reduction for Current Mix of Inputs*	Recycling	Combustion	Landfilling	Energy Savings	GHG Reductions
Aluminum Cans	-103.25	-184.99	-0.12	0.53	-185.52	-139412.7
LDPE	-35.26	-24.10	-6.66	0.53	-24.63	
PET	-26.86	-22.20	-3.46	0.53	-22.73	-17774.86
Mixed Plastics	NA	-20.53	-4.92	0.53	-21.06	-6604.921
Steel Cans	-26.45	-19.97	-17.04	0.53	-20.50	-64443.8
HDPE	-24.07	-18.99	-6.66	0.53	-19.52	-20667
Mixed Recyclables	NA	-16.78	-2.65	0.51	-17.29	
Newspaper	-31.41	-16.49	-2.83	0.52	-17.01	-199778.7
MP -Office Paper Definition	NA	-13.95	-1.98	0.51	-14.46	
Corrugated Cardboard	-18.26	-13.00	-2.51	0.51	-13.51	-321911.3
Phonebooks	-37.83	-11.93	-2.83	0.52	-12.45	
Office Paper	-31.90	-10.08	-2.42	0.49	-10.57	
MP - Broad Definition	NA	-6.65	-2.52	0.51	-7.16	-303992.1
MP - Residential Definition	NA	-6.65	-2.10	0.51	-7.16	
Glass	-6.49	-2.13	-0.08	0.53	-2.66	-6887.751
Textbooks	-34.89	-1.03	-2.42	0.49	-1.52	
Medium Density Fiberboard	-11.19	-0.86	-2.96	0.52	-1.38	
Magazines/third class mail	-32.86	-0.69	-1.87	0.52	-1.21	
Dimensional Lumber	-3.41	-0.59	-2.96	0.52	-1.11	
Food Scraps	NA	NA	-0.85	0.52	-0.52	-512.72
Yard Trimmings	NA	NA	-1.00	0.52	-0.52	-29362.81
Mixed Organics	NA	NA	-0.93	0.52	-0.52	
Mixed MSW	NA	NA	-1.78	0.52	-0.52	

*Assumes recycled materials would otherwise have been disposed in a landfill.

-1,111,349
-75,774

http://epa.gov/climatechange/wycd/waste/index.html

93% less energy used making aluminum from old beverage containers
46% less energy used making newsprint from old newspapers

Common Energy Conversion Factors: Fuel:

5.8 Million Btu per Barrel of Oil:
42 Gallons oil per Barrel of Oil:
0.125 Million Btu per gallon of gas:

Cars: ("average" passenger car over one year)

556 Fuel Consumption: gallons of gas
5 CO2 emissions (tons/year):
-75,774 Net GHG reductions - recycled, composted, burned for energy (metric tons)
Net GHG emissions for Clark County
GHG offset or "credit" of net county-wide emissions

3413 BTU = 1 kWh.

In terms of fuel use, CO2 emissions per million BTUs (293 kWh) range from 117.08 pounds of CO2 for natural gas and about 155 pounds of CO2 for petroleum to between 205 and 227 pounds of CO2 for coal

Solid Waste Program Objectives and Targets

	GOAL						BASELINE				
(Baseline 2005)	**2011**	**2010**	**2009**	**2008**	**2007**	**2006**	**2005**	**2004**	**2003**		
Increase recovery of basic recyclables (FPTAG) by 50,000 tons by 2011	**214,689**					166,613	164,689	135,722	114,631		
Recover an additional 10,000 tons of organics by 2011	**66,992**					57,453	56,992	56,477	42,336		
Recover an additional 10,000 tons of construction and demolition materials by 2011	**15,419**					5,630	5,419	9,591	4,507		
Recover an addition 50 tons of hazardous waste materials by 2011	**9,945**					5,967	9,445	8,282	6,967		
Reduce per person per day landfilled by 5% by 2011	**3.59**						3.78	3.67	3.52		
Recycling Rate	**50.0%**					35.9%	38.3%	37.0%	35.6%		
Recovery Rate	**65.0%**					55.9%	54.6%	52.4%	48.2%		
Recycle=	224,099		61500								
Recovery=	95487		9000								
MSW=	265690	252405.5									
		Recycle Rate		**Diversion Rate**							
		38%		**55%**							
		49%									
		50%		68%							

Tons of Garbage - City of Vancouver							
Year	Hauler	Residential	Commercial	Multifamily	Dropbox	Subtotals	Total
1999	WMV	10,115	21,388		25,159	56,661	
	WCI	12,089	5,113	1,802	13,110	32,114	88,775
2000	WMV	10,933	21,550		26,132	58,615	
	WCI	11,857	8,604	4,064	5,885	30,410	89,026
2001	WMV	10,669	21,358		25,032	57,059	
	WCI	12,345	8,614	4,728	5,372	31,059	88,118
2002	WMV	11,230	20,790		22,261	54,281	
	WCI	12,370	8,800	4,330	6,923	32,423	86,704
2003	WMV	11,264	21,115		18,832	51,211	
	WCI	13,335	9,727	4,522	8,313	35,897	87,108
2004	WMV	11,796	21,765		19,543	53,104	
	WCI	14,581	9,904	4,551	8,481	37,517	90,621
2005	WMV	7,950	11,698		15,162	34,809	
	WCI	18,834	18,662	5,804	15,923	59,223	94,033
2006	WCI	27,576	34,155	8,988	32,077		102,795

Source: Contractor reports to City of Vancouver

Tons of Garbage - WUTC (Unincorporated Clark County + Battle Ground)						
Year	Hauler	Residential	Commercial	Multifamily	Dropbox	Total
2006	WCI	49,801	21,008	1,106	29,503	101,418

Source: WCI; Note: Unincorporated Clark County includes La Center and Yacolt

SFGarbage Customer Census (City of Vancouver)									
	Weekly				Every other Week		Monthly	Other	Total Residential Garbage Customers
	20 Gal.	32 Gal.	64 Gal.	96 Gal.	20 Gal.	32 Gal.	32 Gal.		
1999	5%	68%	9%	1%	2%	9%	5%	1.00%	37,389
2000	5%	69%	9%	0.60%	2%	9%	4%	0.40%	35,085
2001	5%	67%	9%	0.64%	1%	9%	4%	4.36%	35,793
2002	4%	68%	9%	0.68%	1%	9%	5%	3%	36,234
2003	4%	68%	8%	0.67%	1%	9.18%	5%	4.15%	37,081
2004	5%	67%	9%	1%	1%	9%	4%	4%	37,463
2005	4%	68%	12%	1%	1%	8%	4%	2%	38,989
2006	4%	66%	13%	1%	1%	8%	4%	3%	39,272

SF Garbage Customer Census (WUTC - Clark County)								
	Weekly				Every other Week		Monthly	Total Residential Garbage Customers
	20 Gal.	32 Gal.	(2) 32 Gal.	(3-5) 32 Gal.	20 Gal.	32 Gal.	32 Gal.	
1999	2.70%	71.90%	13.90%	0.70%	0.80%	6.00%	3.90%	**52,874**
2000								
2001								
2002								
2003								
2004								
2005								
2006	1.48%	64.19%	22.29%	1.74%	0.47%	7.79%	2.05%	**52,609**

Data for Camas/Washougal, Ridgefield?

Tons of Garbage - City of Washougal							
Year	Hauler	Residential	Commercial	Multifamily	Dropbox	Total	Customers
2006	WCI	3,263	2,171	148	3,004	8,586	5,108
Source: WCI							

Tons of Garbage - City of Camas							
Year	Hauler	Residential	Commercial	Multifamily	Dropbox	Subtotals	Total
2006	CAMAS					7,172	
	WCI				2,790	2,790	9,962
Source: WCI; City of Camas							

Tons of Garbage - City of Ridgefield							
Year	Hauler	Residential	Commercial	Multifamily	Dropbox	Total	Customers
2006	WCI	799	588	0	2,071	3,458	1,046
Source: WCI							

HOUSEHOLD HAZARDOUS WASTE

YEAR	POUNDS COLLECTED					DISPOSAL OPTION-POUNDS INCINERATED			
	Mobile	Fixed	Curbside	Other Sites*	TOTAL	PESTICIDES (liquid, solid and aerosol)	REACTIVES (dangerous when wet, oxidizers, peroxides)	FLAMMABLE SOLIDS	TOTAL
1999	17,705	889,545	512,260	115,480	1,534,990	35,718	2,514	615	38,847
2000	26,587	679,348	438,380	298,227	1,442,542	31,220	2,295	400	33,915
2001	49,667	738,077	463,240	375,632	1,626,616	41,092	3,285	357	44,734
2002	35,698	787,051	385,020	451,484	1,659,253	47,141	2,925	543	50,609
2003	112,592	915,372	366,800	484,510	1,879,274	67,110	2,713	87	69,910
2004	108,036	1,049,600	503,060	378,587	2,039,283	63,382	4,368	412	68,162
2005	114,476	1,462,579	636,960	205,440	2,419,455	64,746	5,359	150	70,255
2006	218,543	1,947,360	447,412	150,576	2,763,891	76,197	4,213	38	80,448
TOTAL	683,304	8,468,932	3,753,132	2,459,936	15,365,304	426,606	27,672	2,602	456,880

YEAR	DISPOSAL OPTION-POUNDS RECYCLED								
	ANTIFREEZE	MIXED BATTERIES	VEHICLE BATTERIES	FLUORESCENT TUBES	E-WASTE	LATEX PAINT	MERCURY BEARING WASTE	OIL FILTERS	TOTAL
1999	21,230	3,671	176,050	0	0	115,539	16	0	316,506
2000	23,110	3,712	180,550	0	0	172,585	0	0	379,957
2001	28,725	5,404	183,870	50	0	207,076	5	0	425,130
2002	28,063	5,509	201,955	7,144	0	196,426	70	0	439,167
2003	37,720	9,231	213,140	6,249	123,176	243,797	28	0	633,341
2004	40,210	12,913	232,676	8,083	162,982	204,561	8	925	662,358
2005	34,913	13,697	214,152	12,518	214,952	181,155	87	0	671,474
2006	61,942	25,697	196,056	12,870	506,296	164,502	176	450	967,989
TOTAL	275,913	79,834	1,598,449	46,914	1,321,139	1,485,641	390	1,375	4,495,922

YEAR	DISPOSAL OPTION-POUNDS ALTERNATIVE FUELS					DISPOSAL OPTION-POUNDS LANDFILLED				
	AEROSOLS (paint, propanes, etc)	MOTOR OIL	OIL BASE PAINT	SOLVENTS	TOTAL	PCB BALLASTS	LATEX PAINT	E-WASTE	SHARPS	TOTAL
1999	16,030	840,280	129,598	109,060	1,094,968	0	76,205	0	0	76,205
2000	12,355	721,360	160,968	83,380	978,063	600	40,212	0	0	40,812
2001	8,340	772,480	166,154	134,448	1,081,422	850	68,927	0	0	69,777
2002	15,642	708,140	168,316	150,173	1,042,271	800	116,050	0	0	116,850
2003	10,900	700,960	179,959	148,543	1,040,362	634	81,460	29,024	0	111,118
2004	8,186	747,460	190,270	172,973	1,118,889	484	125,243	38,703	1,372	165,802
2005	10,583	1,078,720	192,942	169,003	1,451,248	1,053	159,056	37,933	4,020	202,062
2006	16,874	803,396	254,568	210,355	1,285,193	672	225,574	170,225	4,240	400,711
TOTAL	98,910	6,372,796	1,442,775	1,177,935	9,092,416	5,093	892,727	67,727	9,632	1,183,337

YEAR	DISPOSAL OPTION-POUNDS			DISPOSAL OPTIONS BY PER CENT OF TOTALS					
	ACIDS	BASES	TOTAL	Recycle	Incinerated	Alternative Fuel	Treatment	Landfill	TOTAL
1999	4,475	3,989	8,464	20.6%	2.5%	71.3%	0.6%	5.0%	100.0%
2000	4,215	5,580	9,795	26.3%	2.4%	67.8%	0.7%	2.8%	100.0%
2001	912	4,641	5,553	26.1%	2.8%	66.5%	0.3%	4.3%	100.0%
2002	5,266	5,090	10,356	26.5%	3.1%	62.8%	0.6%	7.0%	100.0%
2003	10,451	14,092	24,543	31.8%	3.7%	55.0%	1.3%	8.2%	100.0%
2004	9,702	15,742	25,444	32.6%	3.3%	54.7%	1.2%	8.2%	100.0%
2005	9,900	14,516	24,416	27.8%	2.9%	60.0%	1.0%	8.4%	100.1%
2006	11,355	18,197	29,552	35.0%	46.5%	1.1%	2.9%	14.5%	100.0%
TOTAL	56,276	81,847	138,123	27.3%	3.0%	63.0%	0.8%	5.9%	100.0%

YEAR	PARTICIPANTS								TOTAL POUNDS ALL DISPOSAL OPTIONS
	MOBILE	CRC	JAIL WORK CENTER	PHILIP SERVICES	PAINT TAKE BACK	HOME COLLECTION	CONTROLLED SUBSTANCES	TOTAL PARTICIPANTS	
1999	159	4,366	0	0	0	0	0	4,525	1,534,990
2000	369	3,402	0	0	0	0	0	3,771	1,442,542
2001	522	3,130	0	0	0	0	0	3,652	1,626,616
2002	408	2,793	0	183	0	34	0	3,418	1,659,253
2003	877	3,476	734	285	0	16	0	5,388	1,879,274
2004	1,599	4,335	1,351	317	0	5	36	7,643	2,040,655
2005	1,465	8,515	1,468	389	147	6	149	12,139	2,419,455
2006	3,284	9,598	2,440	474	223	12	209	16,240	2,763,891
TOTAL	8,683	39,615	5,993	1,648	370	73	394	56,776	12,602,785

HHW SUMMARY BY COLLECTION VENUE						
YEAR	CURBSIDE RECYCLING	FIXED FACILITIES*	MOBILE EVENTS**	METRO LATEX	OTHER EVENTS***	TOTAL
1993	464,920	699,892	0	0	23,260	**1,188,072**
1994	332,816	435,401	0	0	54,880	**823,097**
1995	400,280	581,925	0	0	53,960	**1,036,165**
1996	422,020	872,470	0	0	64,880	**1,359,370**
1997	501,820	745,923	0	0	91,240	**1,338,983**
1998	536,780	746,630	12,322	0	100,560	**1,396,292**
1999	512,260	889,545	17,705	0	115,480	**1,534,990**
2000	438,380	679,348	26,587	202,927	95,300	**1,442,542**
2001	463,240	738,077	49,667	260,272	115,360	**1,626,616**
2002	385,020	787,051	35,698	314,864	136,620	**1,659,253**
2003	366,800	915,372	112,592	322,370	162,140	**1,879,274**
2004	503,060	1,050,972	108,036	326,607	51,980	**2,040,655**
2005	636,960	1,112,908	114,476	349,671	205,440	**2,419,455**
2006	447,412	1,598,521	218,543	348,840	150,576	**2,763,892**
TOTAL	6,411,768	11,854,035	695,626	2,125,551	1,421,676	22,508,656

***INCLUDES CENTRAL TRANSFER AND RECYCLING CENTER, WEST VAN MATERIALS RECOVERY CENTER, PHILIP SERVICES CORPORATION, JAIL WORK CENTER, SHERIFF'S WEST PRECINCT, AND HOME COLLECTION PROGRAM**

****INCLUDES PAINT TAKE BACK PROGRAM**

**** PUBLIC DROP-OFF SITES FOR USED OIL**

Please see attached document. I recommend using total Haz Waste disposed by all generators to minimize sampling discrepancies. Looks like anywhere from 2.5 million - 3.3 million pounds of haz waste are disposed annually. This accounts for latex/oil paints, solvents, motor oil/filters, gasoline, antifreeze, car batteries/HH batteries, pesticides/fertilizers, adhesives/glues, cleaners/corrosives, and medical wastes. Because there was data on that for all 4 analyses. Electronics are not included.

Year	Pounds of Hazardous Waste Disposed
Jan-93	3,274,000
Jan-96	2,492,000
Jan-99	3,046,000
3-Jan	2,550,000

Long Term Disposal System Columbia Resource Company Expires: December 31, 2016 Option to extend for 2-5 year periods Note: Under State law, the County is required to plan for solid waste facility needs twenty years into the future. After conducting a competitive process, in 1990 Clark County entered into a 20-year contract with Columbia Resource Company (CRC) to provide processing, transfer and disposal of municipal solid waste.

Solid Waste & Recycling Contractor Services

	Single-family Recycling	Multifamily Recycling	Yard Debris	Garbage
Ridgefield	Contractor: WCI Expires: June 1, 2011 Option to extend for 2 – 5 year periods			
Camas*	Contractor: WCI Expires: 2010 (rolloff 2009). Option to extend ??			
Washougal	Contractor: WCI Expires: June 1, 2011 Option to extend for 2 – 5 year periods			
Vancouver	Contractor: WCI Expires: December 21, 2015 Option to extend w/annexations			
County-Urban (includes City of Battle Ground)	Contractor: WCI Expires: Extended for 9 months to allow for pilots - September 31, 2008	Contractor: WCI Expires: Contractor: WCI Expires: Extended for 9 months to allow for pilots -September 31, 2008	Contractor: WCI Expires: July 31, 2009 Option to extend for 2 – 2 year periods	WUTC
County-Rural (includes City of La Center, Town of Yacolt)	Contractor: WCI Expires: Contractor: WCI Expires: Extended for 9 months to allow for pilots - September 31, 2008	Contractor: WCI Expires: Contractor: WCI Expires: Extended for 9 months to allow for pilots - September 31, 2008	La Center through WUTC	WUTC

*** Camas hauls residential**

WCI = Waste Connections, Inc. (www.wasteconnections.com)

WM – Waste Management

WCI holds contract for School Recycling (Battle Ground, Camas, Evergreen, Hockinson, La Center, Ridgefield, Vancouver, and Washougal school districts). Expires June 30, 2007 Option to extend for (1) - 1 year period.

Philip Services Corp: Mobile Collection & Door-to-Door. Expires: December 31, 2007 Option to extend for 1 – 2 year periods. Fixed HHW Facility. Expires: December 31, 2006 Option to extend for 1 – 2 year period.

Solid Waste Disposal "Tip" Fee					
	Other Loads (per	Drop Loads	Percent Change	CPI Annual	Transaction Fee
1998	$74.50	n/a	-	-	n/a
1999	$66.85	$59.40	-	-	$10.00 per load
1999 (July 1)	$65.10	$57.65	-	-	$10.00 per load
2000	$65.10	$57.65	-	-	$10.00 per load
2001	$67.56	$59.83	3.8%	3.1%	$10.00 per load
2002	$69.04	$61.14	2.2%	2.5%	$10.00 per load
2003	$69.78	$61.79	1.1%	0.8%	$10.00 per load
2004	$70.73	$62.64	1.4%	1.4%	$10.00 per load
2005	$71.75	$63.53	1.4%	2.6%	$10.00 per load
2006	$73.18	$64.80	2.0%	2.6%	$10.00 per load
2007	$74.72	$66.16	2.1%	2.6%	$10.00 per load

*Fourth Amendment: Tip fee for MSW reduced from $66.85 to $65.10, and Tip Fee for Drop Box reduced from $59.40 to $57.65 on July 1, 1999
http://data.bls.gov

Waste Stream Analysis				
Category	1993	1995	1999	2003
Paper	**26.2%**	**23.3%**	**21.8%**	**19.2%**
Newspaper	1.8%	2.0%	2.1%	1.6%
Cardboard	4.7%	5.3%	4.7%	4.0%
Office and Computer	0.9%	0.9%	0.9%	
Mixed Waste Paper	7.7%	6.7%	4.2%	7.0%
Magazines			1.1%	
Milk Cartons, Other			0.2%	
Non-Recyclable Paper	11.1%	8.4%	8.5%	6.5%
Plastic	**10.4%**	**11.7%**	**12.9%**	**11.5%**
PET Bottles	0.2%	0.4%	0.4%	2.2%
HDPE Bottles	0.6%	0.7%	0.5%	
Bottles 3-7			0.1%	
Plastic Packaging	3.9%	6.9%	6.8%	7.7%
Other Plastic Products (1)	5.4%	3.1%	4.3%	1.7%
Expanded Polystyrene	0.3%	0.6%	0.8%	
Metal	**6.2%**	**6.6%**	**7.2%**	**7.1%**
Aluminum Cans	0.4%	0.4%	0.4%	0.3%
Aluminum Containers	0.1%	0.1%	0.1%	
Tin Cans	0.9%	1.1%	0.9%	
Mixed Metals/Materials (2)	2.2%	1.5%	2.9%	3.3%
Ferrous Metals	2.1%	2.5%	2.1%	3.1%
White Goods	0.3%	0.6%	0.2%	
Non-Ferrous Metals	0.2%	0.3%	0.3%	0.2%
Aerosol Cans (3)		0.1%	0.2%	0.1%
Glass	**2.7%**	**2.8%**	**3.2%**	**2.2%**
Clear Bottles	1.4%	1.4%	1.5%	1.0%
Brown Bottles	0.4%	0.4%	0.7%	0.5%
Green Bottles	0.3%	0.4%	0.4%	0.3%
Non-Recyclable Glass	0.6%	0.6%	0.5%	0.5%
Organic	**28.9%**	**26.8%**	**26.3%**	**29.5%**
Food Wastes	12.1%	11.9%	14.5%	15.3%
Yard Debris	5.8%	4.1%	3.3%	3.8%
Recoverable Wood	11.0%	10.8%	8.5%	10.4%
Other Materials	**17.8%**	**19.8%**	**23.0%**	**15.5%**
Construction/Demolition	8.4%	8.9%	7.4%	7.6%
Tires	0.1%	0.3%	0.3%	
Rubber Products	0.6%	0.2%	0.3%	
Disposable Diapers	2.1%	2.8%	3.1%	
Textiles	4.6%	5.7%	3.5%	
Carpet (4)			2.8%	4.5%
Leather	0.0%	0.1%	0.1%	
Hazardous Waste	1.8%	1.5%	2.4%	1.2%
Fines			2.8%	
Ash	0.2%	0.3%	0.3%	
Reusable Products				2.2%
Remaining Waste	**8.0%**	**9.3%**	**5.7%**	**15.0%**
	100.0%	100.2%	100.0%	100.0%