

RECYCLING PROGRAMS

4th Quarter 2016

Seattle Public Utilities, Economic Services Section
Report Date: April 4, 2017

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Tonnage Breakdown

Single Family Tons (Without Contaminants)

Q4 2016:	13,935 Tons	3.1%	decrease vs. same period in 2015
Cumulative Single Family:	54,213 Tons	0.2%	decrease vs. same period in 2015

Multi Family Tons (Without Contaminants)

Q4 2016:	6,696 Tons	5.3%	increase vs. same period in 2015
Cumulative Multi Family:	24,778 Tons	8.3%	increase vs. same period in 2015

Total Residential Tons (Without Contaminants)

Q4 2016:	20,631 Tons	0.5%	decrease vs. same period in 2015
Cumulative Residential:	78,991 Tons	2.3%	increase vs. same period in 2015

Business Tons (Includes Contaminants)

Q4 2016:	1,118 Tons	21.6%	increase vs. same period in 2015
Cumulative Small Business:	3,912 Tons	5.4%	increase vs. same period in 2015

Selected Statistics

Average Monthly Pounds Recyclables collected per Household YTD

Single Family:	62.5	(173,894 households)	3.0% decrease vs same period last year
Multi Family:	30.0	(199,579 households)	2.0% decrease vs same period last year

Recycle Composition Studies are done every 5 years. This report captures the most recent study done in 2015.

Service Citywide:

Recycling service for single family households occurs every other week on the same day as garbage collection service. Beginning January 2005, for all materials except plastics, there is a recycling requirement which bans recyclables from being disposed of in garbage containers. Beginning January 2006, the recycling requirement is being enforced by not collecting garbage cans or dumpsters which contain more than 10% recyclables. Apartment managers are subject to a fine for repeated violation of the ban on recyclables in garbage dumpsters. Exemptions are granted when there is lack of space for recycle containers.

Apartment Buildings with 5 or more units are considered part of the Multi Family Recycling Program for purposes of tracking services. Apartment buildings can choose toter or dumpster style service.

The Business Recycling Program is available to businesses with a Seattle commercial garbage account and is limited to two recycling carts, collected every other week. The Business Recycling Program is free to qualifying businesses.

Materials Citywide:

Newspaper, mixed paper, glass, aluminum, tin, plastic bottles, ferrous metals, plastic bags (grocery bags), plastic containers (dairy/yogurt containers), milk cartons and juice boxes. In addition, up to 2 gallons of used motor oil may be set out in separate 1 gallon containers each collection day. Electronics and appliances will be picked up curbside and recycled safely upon request for a fee. (\$20 per pickup of up to 3 electronic items, \$30 per appliance, \$38 per appliance containing CFC's)

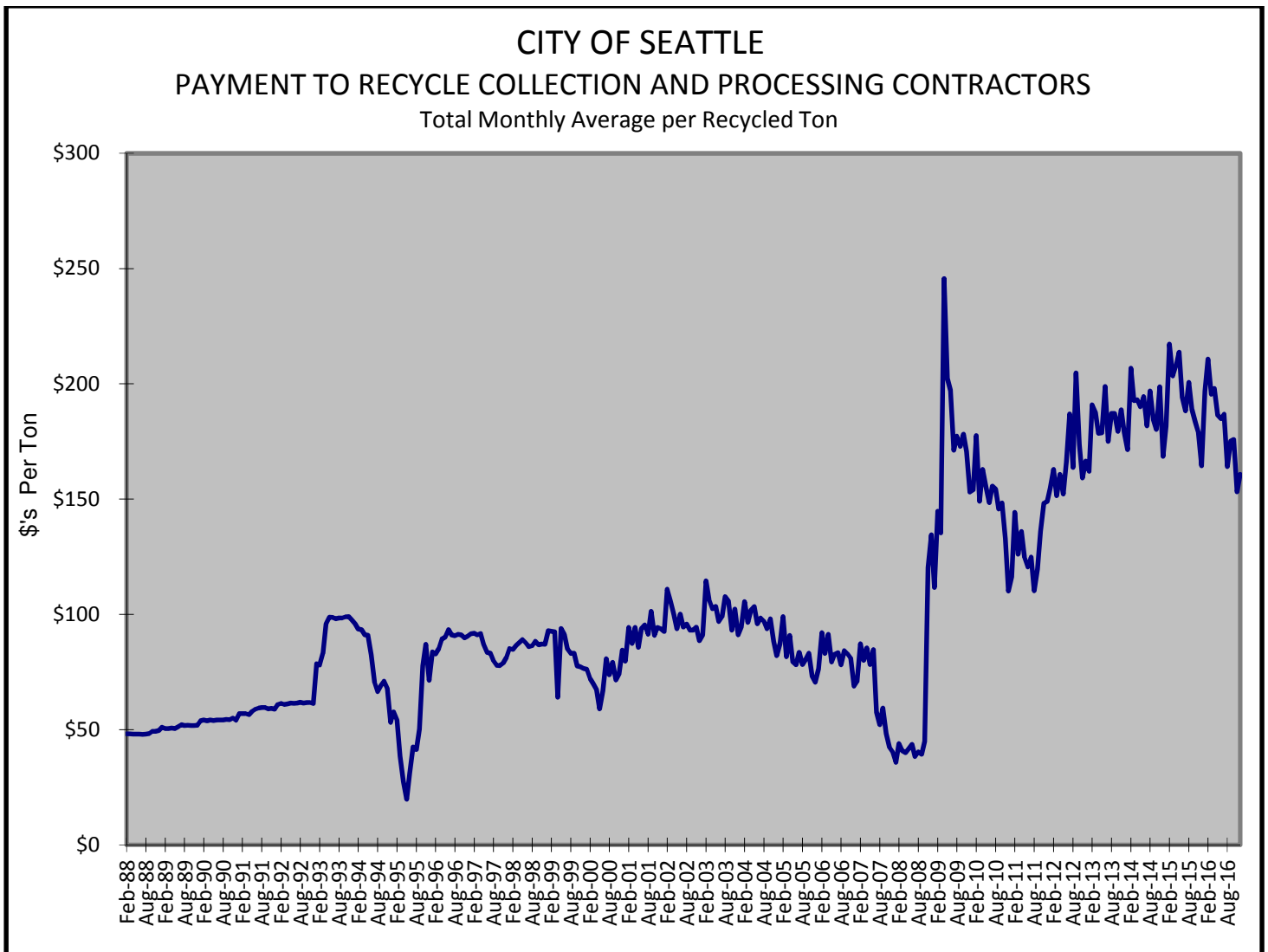
Program Costs¹

Citywide Yearly Cumulative Average Cost/Ton

1988	\$48.55	1996	\$89.15	2004	\$95.82	2012	\$166.45
1989	\$51.33	1997	\$84.59	2005	\$81.72	2013	\$182.26
1990	\$54.20	1998	\$86.88	2006	\$81.44	2014	\$187.54
1991	\$58.28	1999	\$86.39	2007	\$64.83	2015	\$192.57
1992	\$61.41	2000 ²	\$72.78	2008	\$54.28	2016	\$180.21
1993	\$93.25	2001	\$91.64	2009	\$171.38		
1994	\$77.38	2002	\$96.46	2010	\$148.54		
1995	\$50.27	2003	\$100.62	2011	\$129.41		

Avg. Cost/Ton for 4th Quarter 2016: \$162.91

(Payment to contractors falls when market prices for recyclable materials increase.)



¹ Figures shown reflect the average amount SPU pays the recycling processing and collection contractors, which is a total contract price plus (or minus) a variable amount determined by market prices. In other words, the figures reflect the cost to the city of collection and sorting (including payment for disposal of contaminants). Revenue received for sale of the materials belongs to the processing contractor and as such these cost figures should not be construed as the total cost of recycling; figures also do not include costs such as liquidated damages, SPU program administration or public education.

² As of April 2000 recycling program costs include curbside (single family) apartment (multi-family) and small business programs. Prior to April 2000, the costs shown are only for the curbside program.

SINGLE FAMILY TONS COLLECTED - CITY OF SEATTLE

SINGLE FAMILY CAN TONS COLLECTED (Includes contaminants)					SINGLE FAMILY CAN CUSTOMER DATA							
Yr	Mo	Recology Cleanscapes	Waste Management	Total Single Family Tons	Cumulative Single Family Tons	Recology Cleanscapes Curb Bldgs	Waste Management Curb Bldgs	Total Curb Bldgs ³	Recology Cleanscapes Curb Households	Waste Management Curb Households	Total Curb Households ³	LBS PER HOUSEHOLD
2015	1	2,296.1	2,966.3	5,262.4	5,262.4	58,100	91,202	149,302	61,145	94,601	155,746	67.6
2015	2	1,888.9	2,448.4	4,337.3	9,599.7	58,121	91,234	149,355	61,149	94,653	155,802	55.7
2015	3	2,081.2	2,696.6	4,777.8	14,377.5	58,159	91,315	149,474	61,189	94,739	155,928	61.3
2015	4	2,111.7	2,755.5	4,867.1	19,244.6	58,198	91,423	149,621	61,242	94,852	156,094	62.4
2015	5	2,047.4	2,685.5	4,732.8	23,977.5	58,263	91,527	149,790	61,303	94,935	156,238	60.6
2015	6	2,226.8	2,921.1	5,147.9	29,125.4	58,311	91,585	149,896	61,328	95,007	156,335	65.9
2015	7	2,259.9	2,999.3	5,259.2	34,384.6	58,346	91,629	149,975	61,380	95,069	156,449	67.2
2015	8	2,105.0	2,724.1	4,829.1	39,213.7	58,364	91,657	150,021	61,367	95,113	156,480	61.7
2015	9	2,290.0	2,930.0	5,220.0	44,433.7	58,380	91,670	150,050	61,399	95,131	156,530	66.7
2015	10	2,186.6	2,800.8	4,987.5	49,421.1	58,326	91,629	149,955	61,349	95,052	156,401	63.8
2015	11	2,241.1	2,893.6	5,134.7	54,555.8	58,315	91,622	149,937	61,337	95,045	156,382	65.7
2015	12	2,565.7	3,312.1	5,877.8	60,433.7	58,305	91,642	149,947	61,309	95,079	156,388	75.2
2016	1	2,268.6	2,982.8	5,251.3	5,251.3	58,291	91,638	149,929	61,299	95,081	156,380	67.2
2016	2	2,034.8	2,698.8	4,733.6	9,984.9	58,281	91,635	149,916	61,289	95,105	156,394	60.5
2016	3	2,240.4	2,941.8	5,182.2	15,167.1	58,338	91,721	150,059	61,312	95,168	156,480	66.2
2016	4	2,000.8	2,657.9	4,658.7	19,825.9	58,401	91,784	150,185	61,450	95,300	156,750	59.4
2016	5	2,129.8	2,788.1	4,917.9	24,743.8	58,454	91,884	150,338	61,514	95,421	156,935	62.7
2016	6	2,177.4	2,860.8	5,038.2	29,781.9	58,514	91,933	150,447	61,586	95,474	157,060	64.2
2016	7	2,035.3	2,729.4	4,764.7	34,546.7	58,471	91,951	150,422	61,348	95,365	156,713	60.8
2016	8	2,243.8	2,966.5	5,210.3	39,757.0	58,500	91,985	150,485	61,352	95,388	156,740	66.5
2016	9	2,191.9	2,867.7	5,059.6	44,816.6	58,500	91,985	150,485	61,352	95,388	156,740	64.6
2016	10	2,117.0	2,739.7	4,856.7	49,673.3	N/A	N/A	153,111	N/A	N/A	173,894	55.9
2016	11	2,372.0	3,011.1	5,383.1	55,056.4	N/A	N/A	153,111	N/A	N/A	173,894	61.9
2016	12	2,358.4	2,906.8	5,265.3	60,321.6	N/A	N/A	153,111	N/A	N/A	173,894	60.6

SINGLE FAMILY TONNAGE BY MATERIAL DATA (Estimated from periodic composition studies)											AVG LBS PER HOUSEHOLD
	ALUM	FERROUS METAL	GLASS	MIXED PAPER	NEWS PAPER	PLASTICS	TIN	CONTAMINANTS	TOTAL w/cont	TOTAL w/o cont	
2016 SF Total:	530.5	303.4	16,010.0	24,936.9	8,680.4	3,044.7	707.0	6,108.7	60,321.6	54,212.9	62.5
2015 SF Total:	531.5	304.0	16,039.8	24,983.3	8,696.5	3,050.3	708.3	6,120.0	60,433.7	54,313.6	64.5
2014 SF Total:	574.3	286.1	10,615.4	28,987.1	12,077.3	2,729.7	782.0	3,300.7	59,352.6	56,051.9	63.6
2013 SF Total:	563.9	280.9	10,423.2	28,462.3	11,858.7	2,680.3	767.8	3,241.0	58,278.2	55,037.2	62.6
2012 SF Total:	566.8	282.3	10,476.2	28,607.2	11,919.0	2,693.9	771.7	3,257.5	58,574.7	55,317.2	63.1
2011 SF Total:	586.4	292.1	10,839.2	29,598.4	12,332.0	2,787.3	798.5	3,370.3	60,604.2	57,233.9	65.5
2010 SF Total:	594.1	296.0	10,981.8	29,987.7	12,494.2	2,823.9	809.0	3,414.7	61,401.4	57,986.8	66.1
2009 SF Total:	607.0	302.4	11,219.1	30,635.8	12,764.2	2,885.0	826.5	3,488.5	62,728.5	59,240.0	68.3
2008 SF Total:	329.9	150.8	11,361.8	26,594.3	21,475.4	1,518.6	525.5	1,270.4	63,226.7	61,956.3	68.8
2007 SF Total:	352.6	161.2	12,132.4	28,372.8	22,919.0	1,621.1	561.4	1,354.2	67,474.7	66,120.5	72.6
2006 SF Total:	348.7	159.4	11,996.9	28,048.8	22,659.4	1,602.9	555.2	1,338.5	66,709.9	65,371.5	72.5
2005 SF Total:	342.4	156.5	11,770.0	27,496.3	22,219.5	1,572.2	545.0	1,311.2	65,413.1	64,101.9	71.5
2004 SF Total:	414.1	88.5	10,929.5	26,217.6	21,932.1	1,452.8	725.4	2,542.2	64,302.2	61,760.0	69.8
2003 SF Total:	400.1	85.5	10,560.2	25,333.0	21,192.3	1,403.8	700.9	2,456.8	62,132.5	59,675.7	67.7
2002 SF Total:	398.4	84.7	10,518.2	25,216.8	21,092.5	1,397.5	698.0	2,440.5	61,846.6	59,406.1	67.9
2001 SF Total:	397.4	84.2	10,493.3	25,149.3	21,034.7	1,393.8	696.3	2,431.5	61,680.4	59,249.0	66.6
2000 SF Total:	490.2	85.5	11,963.1	24,986.6	22,499.7	1,442.1	747.8	2,432.2	64,410.0	62,215.0	69.9
1999 SF Total:	799.6	81.8	12,969.2	22,870.2	23,947.3	727.3	1,439.9	1,026.8	63,862.0	62,835.2	70.6
1998 SF Total:	762.8	78.2	12,387.9	21,877.6	22,868.9	694.6	1,369.7	993.3	61,032.7	60,039.4	67.5
1997 SF Total:	741.0	75.9	12,029.0	21,233.7	22,208.0	674.5	1,331.8	960.6	59,254.5	58,293.9	67.5
1996 SF Total:	693.1	71.0	11,249.4	19,855.4	20,769.0	630.8	1,245.9	897.5	55,412.0	54,514.5	61.3
1995 SF Total:	707.7	72.5	11,490.8	20,288.7	21,213.5	644.3	1,271.3	919.6	56,608.4	55,688.7	63.1
1994 SF Total:	696.3	71.3	11,307.4	19,967.5	20,874.6	634.0	1,250.6	905.9	55,707.7	54,801.8	61.6
1993 SF Total:	652.8	66.9	10,606.8	18,742.1	19,579.3	557.5	1,171.0	854.4	52,268.0	51,376.4	57.7
1992 SF Total:	862.8	NA	10,702.0	17,610.6	17,412.9	288.8	1,409.9	1,259.6	49,546.6	48,287.0	54.2
1991 SF Total:	684.6	NA	9,540.4	19,537.8	16,103.2	268.3	1,423.7	1,004.4	48,562.4	47,558.0	53.4
1990 SF Total:	895.1	NA	9,096.9	17,201.8	17,373.0	163.1	1,306.8	685.9	46,722.6	46,036.7	51.3
1989 SF Total:	433.2	NA	8,671.4	15,149.6	15,115.6	88.9	1,279.9	121.0	40,859.6	40,738.6	46.2
1988 SF Total:	242.3	NA	4,833.6	7,739.7	10,481.4	0.0	649.2	39.4	23,985.6	23,946.2	31.9

TOTAL CITY SINGLE FAMILY PERCENTAGE BREAKDOWN BY MATERIAL (Estimated from periodic composition studies) ²										
	ALUM	FERROUS METAL	GLASS	MIXED PAPER	NEWS PAPER	PLASTICS	TIN	CONTAMINANTS	TOTAL	
2015-2016 Avg:	0.9%	0.5%	26.5%	41.3%	14.4%	5.0%	1.2%	10.1%	100%	
2009-2014 Avg:	1.0%	0.5%	17.9%	48.8%	20.3%	4.6%	1.3%	5.6%	100%	
2005-2008 Avg:	0.5%	0.2%	18.0%	42.0%	34.0%	2.4%	0.8%	2.0%	100%	
2001-2004 Avg:	0.6%	0.1%	17.0%	40.8%	34.1%	2.3%	1.1%	3.9%	100%	
2000 Avg:	0.8%	0.1%	18.6%	38.8%	34.9%	2.2%	1.2%	3.8%	100%	
1993-1999 Avg:	1.2%	0.1%	20.3%	35.9%	37.5%	1.1%	2.2%	1.6%	100%	
1992 Avg:	1.7%	NA	21.6%	35.5%	35.1%	0.6%	2.8%	2.5%	100%	
1991 Avg:	1.4%	NA	19.6%	40.2%	33.2%	0.6%	2.9%	2.1%	100%	
1990 Avg:	1.9%	NA	19.5%	36.8%	37.2%	0.3%	2.8%	1.5%	100%	
1989 Avg:	1.1%	NA	21.2%	37.1%	37.0%	0.2%	3.1%	0.3%	100%	
1988 Avg:	1.0%	NA	20.2%	32.3%	43.7%	0.0%	2.7%	0.2%	100%	

1. Single Family refers to customers that receive can garbage service. Tonnage data includes contaminants.

2. Recycle Composition Studies are done every 5 years. This report captures the most recent study done in 2015. Composition Studies can be found on the web at: <http://www.seattle.gov/util/Documents/Reports/SolidWasteReports/CompositionStudies/index.htm>

3. Beginning October 2016, New billing system data and new definition of Single Family premise changed to prems with 4 or fewer dwelling units. Multi Family defined as premises with 5 or more dwelling units

MULTI FAMILY TONS COLLECTED - CITY OF SEATTLE

MULTI FAMILY TONS COLLECTED (Includes contaminants)						MULTIFAMILY CUSTOMER DATA ¹								
Yr	Mo	Recology	Waste	Total Multi	Cumulative Multi	Recology	Waste	Total Apt	RCS Apt	WM Apt	Total Apt	Units/Bldg	Lbs/Bldg	Lbs/Unit
		Cleanscapes	Management	Family Tons	Family Tons	Cleanscapes	Management	Bldgs ³	Units	Units	Units ³			
2015	1	1,222.8	856.6	2,079.4	2,079.4	3,319	2,366	5,685	93,559	45,189	138,748	24	731.6	30.0
2015	2	1,082.5	762.8	1,845.3	3,924.7	3,328	2,368	5,696	93,703	45,204	138,907	24	647.9	26.6
2015	3	1,224.8	850.2	2,075.0	5,999.8	3,326	2,374	5,700	93,677	45,386	139,063	24	728.1	29.8
2015	4	1,219.7	817.9	2,037.6	8,037.4	3,324	2,378	5,702	93,681	45,630	139,311	24	714.7	29.3
2015	5	1,152.3	803.7	1,956.0	9,993.4	3,334	2,388	5,722	94,309	45,894	140,203	25	683.7	27.9
2015	6	1,306.7	861.0	2,167.7	12,161.1	3,339	2,390	5,729	94,616	46,324	140,940	25	756.7	30.8
2015	7	1,313.3	888.8	2,202.1	14,363.2	3,342	2,398	5,740	94,620	46,334	140,954	25	767.3	31.2
2015	8	1,226.2	832.6	2,058.8	16,422.0	3,372	2,403	5,775	94,789	46,699	141,488	25	713.0	29.1
2015	9	1,329.8	902.7	2,232.4	18,654.4	3,388	2,406	5,794	95,224	46,434	141,658	24	770.6	31.5
2015	10	1,344.9	894.9	2,239.8	20,894.3	3,393	2,404	5,797	95,513	46,612	142,125	25	772.8	31.5
2015	11	1,372.0	961.5	2,333.5	23,227.7	3,396	2,409	5,805	95,580	46,814	142,394	25	803.9	32.8
2015	12	1,525.8	1,079.1	2,604.9	25,832.6	3,403	2,412	5,815	96,010	46,689	142,699	25	895.9	36.5
2016	1	1,356.8	933.7	2,290.5	27,123.5	3,409	2,414	5,823	96,081	46,692	142,773	25	786.7	32.1
2016	2	1,299.9	909.4	2,209.3	4,499.8	3,410	2,414	5,824	95,995	46,983	142,978	25	758.7	30.9
2016	3	1,404.2	966.6	2,370.8	6,870.6	3,412	2,421	5,833	95,826	46,988	142,814	24	812.9	33.2
2016	4	1,228.4	858.5	2,087.0	8,957.5	3,402	2,418	5,820	95,713	47,558	143,271	25	717.2	29.1
2016	5	1,319.5	910.4	2,229.9	11,187.4	3,414	2,422	5,836	95,918	47,565	143,483	25	764.2	31.1
2016	6	1,391.8	919.0	2,310.8	13,498.2	3,418	2,422	5,840	95,971	47,482	143,453	25	791.4	32.2
2016	7	1,302.0	870.6	2,172.6	15,670.9	3,454	2,438	5,892	97,295	47,573	144,868	25	737.5	30.0
2016	8	1,458.5	965.6	2,424.1	18,095.0	3,462	2,452	5,914	97,906	47,875	145,781	25	819.8	33.3
2016	9	1,397.4	922.8	2,320.3	20,415.2	3,462	2,452	5,914	97,906	47,875	145,781	25	784.7	31.8
2016	10	1,452.5	965.2	2,417.8	22,833.0	NA	NA	NA	NA	NA	199,579	27	652.2	24.2
2016	11	1,487.0	1,074.5	2,561.4	25,394.4	NA	NA	NA	NA	NA	199,579	27	691.0	25.7
2016	12	1,463.0	1,118.5	2,581.5	27,975.9	NA	NA	NA	NA	NA	199,579	27	696.4	25.9

TOTAL MULTIFAMILY PERCENTAGE BREAKDOWN BY MATERIAL (Estimated from periodic composition studies)											Customer Data			
	FERROUS					CONTAMINANTS				TOTAL w/o cont	TOTAL w/o cont	2016 Avg:	Avg Lbs/Bldg	Avg Lbs/Unit
	ALUM	METAL	GLASS	MIXED PAPER	NEWSPAPER	PLASTICS	TIN	INANTS						
2016 MF Total:	284.7	81.5	7,042.0	12,175.5	3,537.8	1,364.8	291.7	3,197.9	27,975.9	24,778.0	2016 Avg:	762.2	30.0	
2015 MF Total:	262.9	75.3	6,502.5	11,242.7	3,266.8	1,260.2	269.4	2,952.9	25,832.6	22,879.7	2015 Avg:	749.9	30.6	
2014 MF Total:	177.1	67.6	4,081.9	12,742.0	4,065.7	854.7	223.2	1,668.1	23,880.3	22,212.2	2014 Avg:	706.1	29.5	
2013 MF Total:	166.5	63.6	3,838.2	11,981.1	3,822.8	803.7	209.8	1,568.5	22,454.2	20,885.7	2013 Avg:	675.8	29.0	
2012 MF Total:	164.2	62.7	3,785.4	11,816.4	3,770.3	792.6	206.9	1,546.9	22,145.6	20,598.7	2012 Avg:	679.5	29.7	
2011 MF Total:	147.8	56.5	3,407.9	10,637.9	3,394.3	713.6	186.3	1,392.6	19,936.8	18,544.2	2011 Avg:	626.7	27.2	
2010 MF Total:	152.5	58.2	3,515.5	10,973.9	3,501.5	736.1	192.2	1,436.6	20,566.6	19,130.0	2010 Avg:	668.8	29.6	
2009 MF Total:	143.8	54.9	3,315.7	10,350.2	3,302.5	694.3	181.3	1,355.0	19,397.8	18,042.8	2009 Avg:	621.9	28.1	
2008 MF Total:	90.4	106.2	3,854.6	9,275.5	6,014.2	441.0	150.3	529.8	20,461.9	21,951.6	2008 Avg:	626.9	28.7	
2007 MF Total:	93.0	109.4	3,964.5	9,539.0	6,186.5	453.6	154.6	544.9	21,045.5	20,500.6	2007 Avg:	647.0	30.2	
2006 MF Total:	87.1	104.2	3,705.6	8,902.9	5,790.8	424.1	144.6	509.2	19,668.4	19,159.2	2006 Avg:	605.8	28.8	
2005 MF Total:	79.8	94.5	3,400.4	8,177.0	5,309.0	389.1	132.6	467.3	18,049.7	17,582.4	2005 Avg:	582.3	27.6	
2004 MF Total:	82.3	30.7	2,690.8	6,638.0	5,556.4	259.6	128.3	464.2	15,850.3	15,386.0	2004 Avg:	554.1	26.3	
2003 MF Total:	76.8	28.6	2,509.7	6,190.4	5,180.8	242.0	119.6	432.9	14,780.8	14,347.9	2003 Avg:	532.6	25.6	
2002 MF Total:	71.5	26.6	2,331.1	5,754.6	4,822.7	225.3	111.4	402.5	13,745.6	13,343.1	2002 Avg:	509.3	24.5	
2001 MF Total:	70.0	26.0	2,282.6	5,636.3	4,725.9	220.7	109.2	394.2	13,465.0	13,070.8	2001 Avg:	550.7	25.9	
2000 MF Total:	65.0	17.8	2,050.6	5,269.2	4,004.9	179.9	103.5	292.2	11,983.2	11,691.0	2000 Avg:	497.0	25.0	
1999 MF Total:	68.6	NA	1,908.6	5,647.9	2,763.6	87.3	66.4	111.9	10,654.3	10,542.4	1999 Avg:	654.7	27.6	
1998 MF Total:	70.2	NA	1,835.2	5,020.4	2,978.4	99.6	106.1	129.0	10,238.8	10,109.8	1998 Avg:	669.2	28.1	
1997 MF Total:	68.9	NA	1,646.4	4,686.3	2,521.9	87.3	114.5	89.5	9,214.8	9,125.3	1997 Avg:	639.2	26.8	
1996 MF Total:	69.9	NA	1,527.3	3,296.6	3,041.2	78.7	113.3	61.8	8,188.7	8,126.9	1996 Avg:	613.5	24.8	
1995 MF Total:	49.6	NA	1,458.3	2,555.7	2,995.5	13.5	120.0	NA	7,192.4	7,192.4	1995 Avg:	608.2	22.9	
1994 MF Total:	51.3	NA	1,224.6	3,013.2	1,678.1	0.8	111.0	NA	6,079.0	6,079.0	1994 Avg:	657.8	23.6	
1993 MF Total:	47.0	NA	769.5	2,517.4	435.6	0.3	85.9	NA	3,855.7	3,855.7	1993 Avg:	646.0	20.2	
1992 MF Total:	3.3	NA	736.2	1,438.5	726.7	NA	68.7	NA	2,973.4	2,973.4	1992 Avg:	753.3	24.4	
1991 MF Total:	0.9	NA	410.6	661.7	732.7	NA	23.6	NA	1,829.5	1,829.5	1991 Avg:	733.5	23.4	
1990 MF Total:	NA	NA	228.7	500.8	358.4	NA	6.3	NA	1,094.2	1,094.2	1990 Avg:	712.1	22.8	
1989 MF Total:	NA	NA	69.9	42.7	192.8	NA	NA	NA	305.4	305.4	1989 Avg:	NA	NA	

MULTI FAMILY PERCENTAGE BREAKDOWN BY MATERIAL ² (Estimated from periodic composition studies)										
	FERROUS					CONTAMINANTS				TOTAL
	ALUM	METAL	GLASS	MIXED PAPER	NEWS PAPER	PLASTIC	TIN	INANTS		
2015-2016 Avg:	1.0%	0.3%	25.2%	43.5%	12.6%	4.9%	1.0%	11.4%	100%	
2009-2014 Avg:	0.7%	0.3%	17.1%	53.4%	17.0%	3.6%	0.9%	7.0%	100%	
2005-2008 Avg:	0.4%	0.5%	18.8%	45.3%	29.4%	2.2%	0.7%	2.6%	100%	
2001-2004 Avg:	0.5%	0.2%	17.0%	41.9%	35.1%	1.6%	0.8%	2.9%	100%	
2000 Avg:	0.5%	0.1%	17.1%	44.0%	33.4%	1.5%	0.9%	2.4%	100%	
1999 Avg:	0.6%	NA	17.9%	53.0%	25.9%	0.8%	0.6%	1.1%	100%	
1998 Avg:	0.7%	NA	17.9%	49.0%	29.1%	1.0%	1.0%	1.3%	100%	
1997 Avg:	0.7%	NA	17.9%	50.9%	27.4%	0.9%	1.2%	1.0%	100%	
1996 Avg:	0.9%	NA	18.7%	40.3%	37.1%	1.0%	1.4%	0.8%	100%	
1995 Avg:	0.7%	NA	20.3%	35.5%	41.6%	0.2%	1.7%	NA	100%	
1994 Avg:	0.8%	NA	20.1%	49.6%	27.6%	0.0%	1.8%	NA	100%	
1993 Avg:	1.2%	NA	20.0%	65.3%	11.3%	0.0%	2.2%	NA	100%	
1992 Avg:	NA	NA	24.8%	48.4%	24.4%	NA	2.3%	NA	100%	
2. Recycle Compo	NA	NA	22.4%	36.2%	40.0%	NA	1.3%	NA	100%	
1990 Avg:	NA	NA	20.9%	45.8%	32.8%	NA	0.6%	NA	100%	
1989 Avg:	NA	NA	22.9%	14.0%	63.1%	NA	0.0%	NA	100%	

1. Multi Family refers to customers that receive dumpster garbage service. Tonnage data includes contaminants.

2. Recycle Composition Studies are done every 5 years. This report captures the most recent study done in 2015. Composition Studies can be found on the web at: <http://www.seattle.gov/util/Documents/Reports/SolidWasteReports/CompositionStudies/index.htm>

TOTAL RESIDENTIAL TONS COLLECTED - CITY OF SEATTLE

TOTAL CITY RESIDENTIAL RECYCLING TONS COLLECTED (Includes contaminants)							COMMERCIAL BUSINESS RECYCLE PROGRAM	SPECIAL ITEMS						
Yr	Mo	Recology Cleanscapes	Waste Management	Total Tons	Cumulative Tons	MOTOR OIL (Gallons)		ELECTRONICS (units)	APPLIANCES (units)					
2015	1	3,518.9	3,822.9	7,341.8	7,341.8	307.4	177	8	28					
2015	2	2,971.5	3,211.1	6,182.6	13,524.4	295.3	98	12	30					
2015	3	3,306.1	3,546.8	6,852.8	20,377.2	317.8	134	15	49					
2015	4	3,331.4	3,573.4	6,904.8	27,282.0	292.9	80	10	32					
2015	5	3,199.7	3,489.1	6,688.8	33,970.9	306.3	125	5	26					
2015	6	3,533.5	3,782.0	7,315.6	41,286.4	315.9	161	4	30					
2015	7	3,573.3	3,888.1	7,461.3	48,747.8	318.3	133	3	42					
2015	8	3,331.2	3,556.7	6,887.9	55,635.7	330.2	134	8	34					
2015	9	3,619.7	3,832.7	7,452.4	63,088.1	309.1	134	1	29					
2015	10	3,531.6	3,695.7	7,227.3	70,315.4	291.8	106	8	19					
2015	11	3,613.1	3,855.1	7,468.2	77,783.6	306.5	62	4	20					
2015	12	4,091.5	4,391.2	8,482.7	86,266.3	321.5	94	5	22					
2016	1	3,625.4	3,916.5	7,541.8	7,541.8	269.1	93	2	23					
2016	2	3,334.7	3,608.1	6,942.9	14,484.7	262.2	95	1	32					
2016	3	3,644.6	3,908.4	7,553.0	22,037.7	312.3	124	22	46					
2016	4	3,229.2	3,516.5	6,745.7	28,783.4	290.7	154	14	45					
2016	5	3,449.3	3,698.5	7,147.8	35,931.2	308.7	181	8	42					
2016	6	3,569.2	3,779.8	7,349.0	43,280.1	322.5	159	14	71					
2016	7	3,337.4	3,600.0	6,937.4	50,217.5	335.7	131	21	41					
2016	8	3,702.4	3,932.1	7,634.5	57,852.0	362.1	133	14	56					
2016	9	3,589.4	3,790.5	7,379.9	65,231.8	330.7	136	14	50					
2016	10	3,569.5	3,704.9	7,274.4	72,506.3	353.7	97	7	27					
2016	11	3,859.0	4,085.5	7,944.5	80,450.8	362.1	109	1	36					
2016	12	3,821.5	4,025.3	7,846.7	88,297.5	402.4	65	13	64					
TOTAL CITY PERCENTAGE BREAKDOWN BY MATERIAL (Estimated from periodic composition studies)							COMMERCIAL BUSINESS RECYCLE PROGRAM	SPECIAL ITEMS						
	ALUM	FERROUS METAL	GLASS	MIXED PAPER	NEWS PAPER	PLASTICS		CONTAM-TIN	INANTS	TOTAL w/cont	TOTAL w/o cont	MOTOR OIL (Gallons)	ELECTRONICS (units)	APPLIANCES (units)
2016 Total:	815.2	384.9	23,052.0	37,112.4	12,218.2	4,409.5	998.7	9,306.6	88,297.5	78,990.9	3,912.3	1,477	131	533
2015 Total:	794.4	379.3	22,542.2	36,225.9	11,963.3	4,310.6	977.7	9,073.0	86,266.3	77,193.3	3,713.0	1,438	83	361
2014 Total:	751.4	353.7	14,697.3	41,729.1	16,143.0	3,584.4	1,005.1	4,968.8	83,232.9	78,264.1	3,293.7	1,821	49	256
2013 Total:	730.4	344.5	14,261.4	40,443.4	15,681.5	3,484.0	977.7	4,809.5	80,732.3	75,922.9	3,002.5	2,445	98	222
2012 Total:	731.0	345.1	14,261.7	40,423.6	15,689.3	3,486.6	978.7	4,804.4	80,720.3	75,915.9	2,874.4	14,021	352	1,133
2011 Total:	734.3	348.6	14,247.1	40,236.2	15,726.3	3,500.8	984.8	4,763.0	80,541.0	75,778.1	2,689.7	3,035	151	325
2010 Total:	746.7	354.2	14,497.3	40,961.6	15,995.7	3,560.1	1,001.2	4,851.3	81,968.0	77,116.7	2,896.5	3,105	147	483
2009 Total:	750.8	357.3	14,534.9	40,986.1	16,066.7	3,579.2	1,007.7	4,843.5	82,126.2	77,282.8	3,947.9	1,132	156	417
2008 Total:	420.3	257.1	15,216.3	35,869.8	27,489.6	1,959.6	675.8	1,800.2	83,688.6	83,907.9				
2007 Total:	445.6	270.7	16,097.0	37,911.7	29,105.5	2,074.7	716.0	1,899.1	88,520.3	86,621.1				
2006 Total:	435.8	263.7	15,702.5	36,951.7	28,450.2	2,027.0	699.8	1,847.6	86,378.3	84,530.7				
2005 Total:	422.2	251.1	15,170.3	35,673.3	27,528.5	1,961.3	677.6	1,778.5	83,462.8	81,684.3				
2004 Total:	496.4	119.2	13,620.3	32,855.6	27,488.5	1,712.4	853.7	3,006.4	80,152.4	77,146.0				
2003 Total:	476.8	114.2	13,069.8	31,523.3	26,373.1	1,645.9	820.5	2,889.7	76,913.3	74,023.7				
2002 Total:	469.9	111.2	12,849.3	30,971.4	25,915.2	1,622.7	809.4	2,843.0	75,592.1	72,749.2				
2001 Total:	467.5	110.2	12,775.9	30,785.6	25,760.6	1,614.5	805.5	2,825.7	75,145.4	72,319.7				
2000 Total:	555.2	103.3	14,013.8	30,255.8	26,504.6	1,622.0	851.3	2,724.4	76,393.1	73,906.0				
1999 Total:	868.2	78.2	14,877.8	28,518.0	26,710.9	814.5	1,506.3	1,138.7	74,516.3	73,377.6				
1998 Total:	833.0	75.9	14,223.1	26,898.0	25,847.3	794.2	1,475.8	1,122.3	71,271.5	70,149.2				
1997 Total:	809.9	71.0	13,675.5	25,920.0	24,729.9	761.8	1,446.3	1,050.1	68,469.3	67,419.2				
1996 Total:	763.0	72.5	12,776.7	23,152.0	23,810.2	709.5	1,359.1	959.3	63,600.7	62,641.4				
1995 Total:	757.3	71.3	12,949.0	22,844.4	24,208.9	657.8	1,391.3	919.6	63,800.8	62,881.2				
1994 Total:	747.6	66.9	12,532.0	22,980.7	22,552.7	634.9	1,361.5	905.9	61,786.7	60,880.8				
1993 Total:	699.8	NA	11,376.3	21,259.5	20,014.8	557.8	1,257.0	854.4	56,123.7	55,232.1				
1992 Total:	866.1	NA	11,438.2	19,049.1	18,139.6	288.8	1,478.6	1,259.6	52,520.0	51,260.4				
1991 Total:	685.5	NA	9,951.0	20,199.5	16,835.9	268.3	1,447.3	1,004.4	50,392.0	49,387.5				
1990 Total:	895.1	NA	9,325.6	17,702.6	17,731.4	163.1	1,313.1	685.9	47,816.8	47,130.9				
1989 Total:	433.2	NA	8,741.3	15,192.3	15,308.4	88.9	1,279.9	121.0	41,165.0	41,044.0				
1988 Total:	242.3	NA	4,833.6	7,739.7	10,481.4	NA	649.2	39.4	23,985.6	23,946.2				

July 25-Aug 2, 2012: Waste Management work stoppage due to strike.

March 30, 2009: New contracts began. Cleanscapes and Waste Management are contracted haulers.

Business Recycling tons included in residential tons prior to 2009.

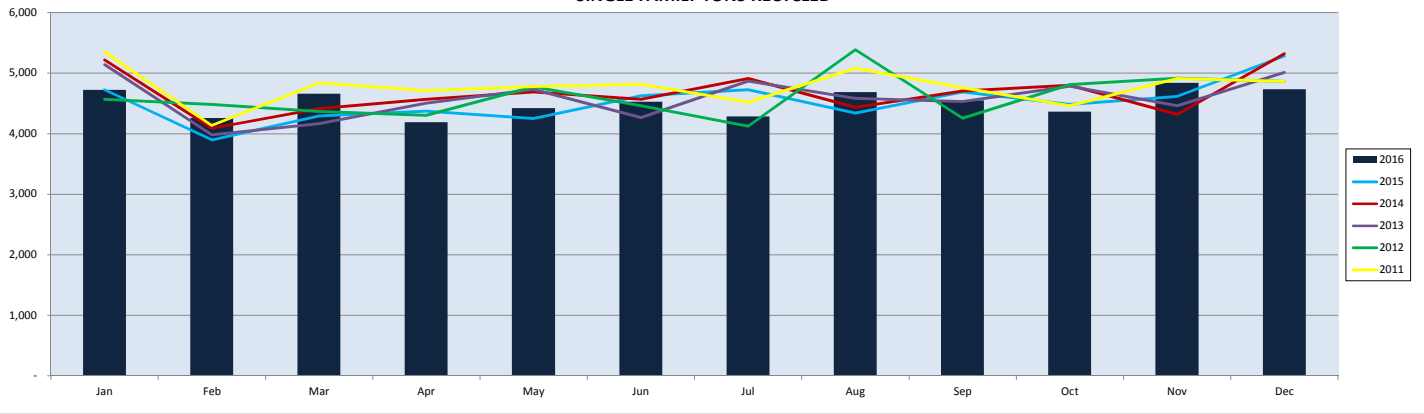
Jan 2005: Ban on recycle in garbage (except plastics) began

April 2000: New contract begins. Allied Waste and Waste Management are contracted haulers

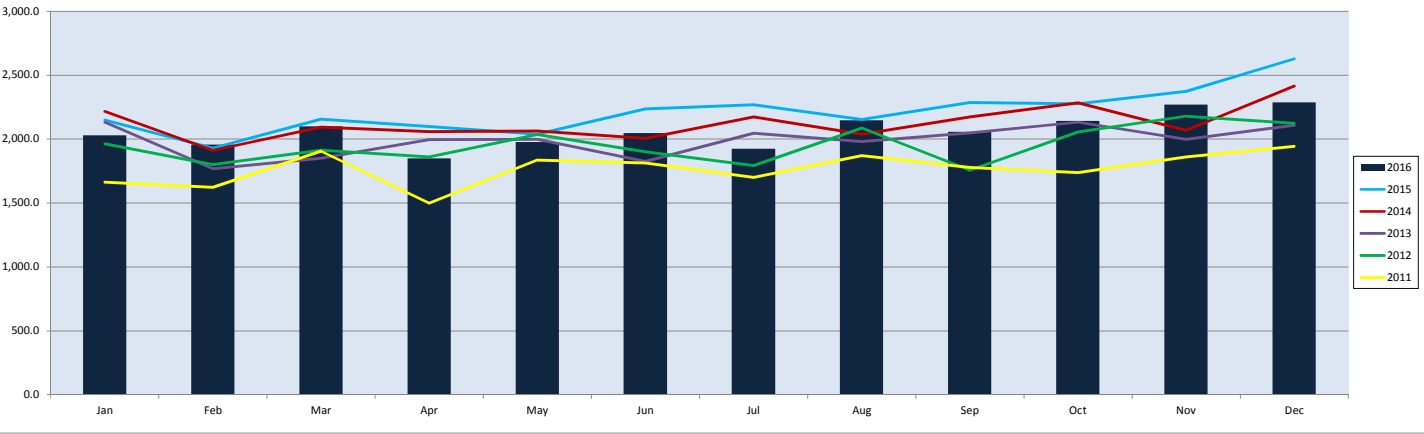
New materials (polycoated paper, aseptic packaging and additional plastics) added to program

Jan 2000: New Billing system (Banner/CCSS)

**CITY OF SEATTLE
SINGLE FAMILY TONS RECYCLED**



**CITY OF SEATTLE
MULTI FAMILY TONS RECYCLED**



**CITY OF SEATTLE
TOTAL RESIDENTIAL AND BUSINESS RECYCLE PROGRAM TONS COLLECTED**

