

RECYCLING PROGRAMS

4th Quarter 2017

Seattle Public Utilities, Economic Services Section

Report Date: February 6, 2018

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Tonnage Breakdown

Single Family Tons (Without Contaminants)

Q4 2017:	14,111 Tons	1.3%	increase vs. same period in 2016
Cumulative Single Family:	55,123 Tons	1.7%	increase vs. same period in 2016

Multi Family Tons (Without Contaminants)

Q4 2017:	6,410 Tons	4.3%	decrease vs. same period in 2016
Cumulative Multi Family:	24,652 Tons	0.5%	decrease vs. same period in 2016

Total Residential Tons (Without Contaminants)

Q4 2017:	20,520 Tons	0.5%	decrease vs. same period in 2016
Cumulative Residential:	79,775 Tons	1.0%	increase vs. same period in 2016

Business Tons (Includes Contaminants)

Q4 2017:	1,003 Tons	10.3%	decrease vs. same period in 2016
Cumulative Small Business:	3,890 Tons	0.6%	decrease vs. same period in 2016

Selected Statistics

Average Monthly Pounds Recyclables collected per Household YTD

Single Family:	58.7	(174,871 households)
Multi Family:	22.7	(208,898 households)

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)

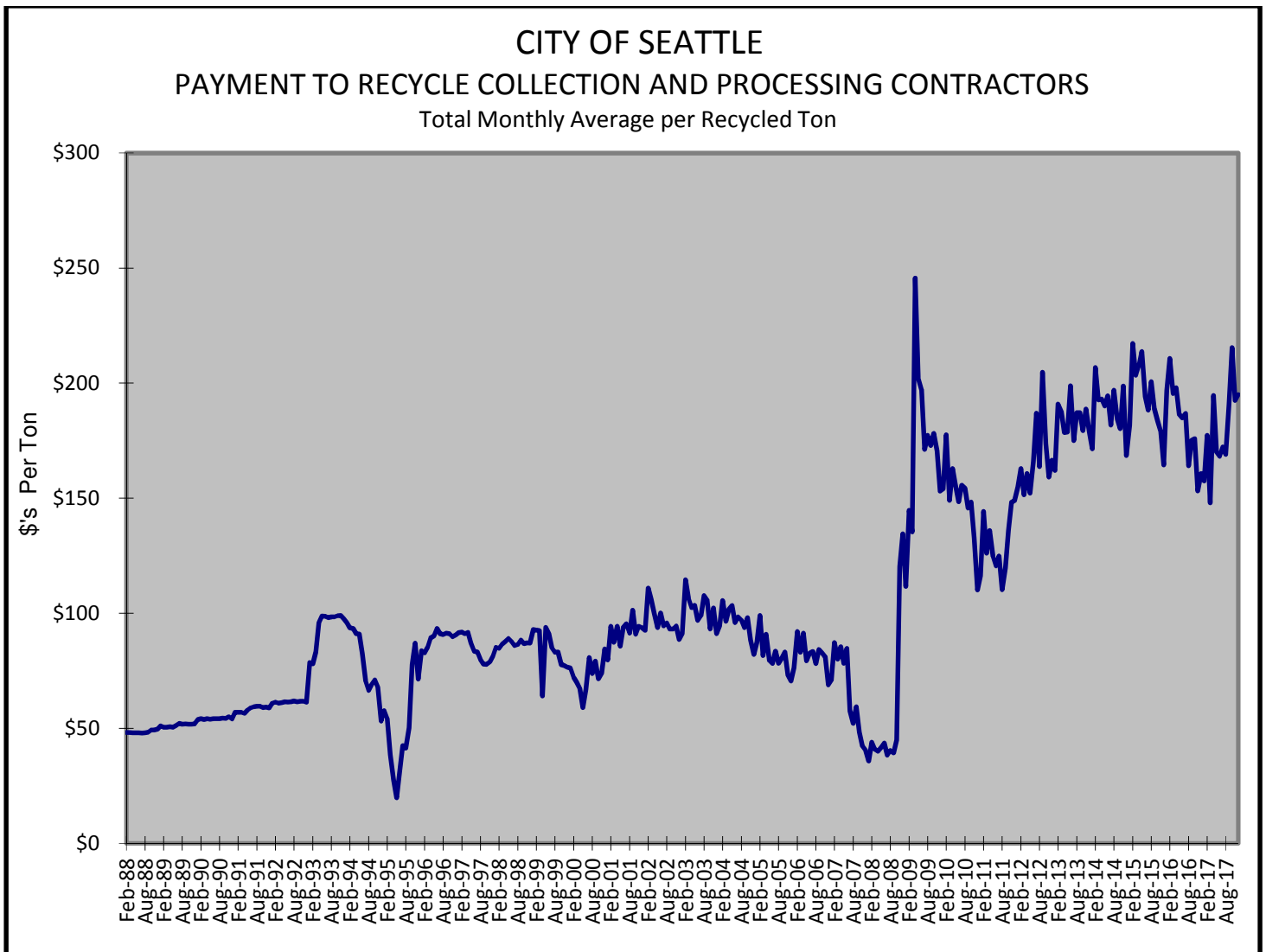
Program Costs¹

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	2017	\$178.90
1994	\$77.38	2002	\$96.46	2010	\$148.54		
1995	\$50.27	2003	\$100.62	2011	\$129.41		

Avg. Cost/Ton for 4th Quarter 2017: \$200.71

(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
2016	1	2,268.6	2,983	5,251	5,251.3	58,291	91,638	149,929	61,299	95,081	156,380	67.2
2016	2	2,034.8	2,699	4,734	9,984.9	58,281	91,635	149,916	61,289	95,105	156,394	60.5
2016	3	2,240.4	2,942	5,182	15,167.1	58,338	91,721	150,059	61,312	95,168	156,480	66.2
2016	4	2,000.8	2,658	4,659	19,825.9	58,401	91,784	150,185	61,450	95,300	156,750	59.4
2016	5	2,129.8	2,788	4,918	24,743.8	58,454	91,884	150,338	61,514	95,421	156,935	62.7
2016	6	2,177.4	2,861	5,038	29,781.9	58,514	91,933	150,447	61,586	95,474	157,060	64.2
2016	7	2,035.3	2,729	4,765	34,546.7	58,471	91,951	150,422	61,348	95,365	156,713	60.8
2016	8	2,243.8	2,967	5,210	39,757.0	58,500	91,985	150,485	61,352	95,388	156,740	66.5
2016	9	2,191.9	2,868	5,060	44,816.6	58,500	91,985	150,485	61,352	95,388	156,740	64.6
2016	10	2,117.0	2,740	4,857	49,673.3	N/A	N/A	152,757	N/A	N/A	173,289	56.1
2016	11	2,372.0	3,011	5,383	55,056.4	N/A	N/A	152,807	N/A	N/A	173,349	62.1
2016	12	2,358.4	2,907	5,265	60,321.6	N/A	N/A	152,885	N/A	N/A	173,429	60.7
2017	1	2,361.8	3,043	5,405	5,404.8	N/A	N/A	152,992	N/A	N/A	173,531	62.3
2017	2	1,932.8	2,644	4,577	9,981.5	N/A	N/A	153,057	N/A	N/A	173,586	52.7
2017	3	2,221.0	3,048	5,269	15,250.9	N/A	N/A	153,193	N/A	N/A	173,727	60.7
2017	4	1,913.2	2,673	4,586	19,836.9	N/A	N/A	153,274	N/A	N/A	173,785	52.8
2017	5	2,222.9	3,059	5,281	25,118.4	N/A	N/A	153,365	N/A	N/A	173,826	60.8
2017	6	2,195.5	3,049	5,245	30,363.3	N/A	N/A	153,435	N/A	N/A	173,868	60.3
2017	7	2,066.2	2,918	4,984	35,347.1	N/A	N/A	153,488	N/A	N/A	174,503	57.1
2017	8	2,230.6	3,107	5,337	40,684.6	N/A	N/A	153,766	N/A	N/A	174,840	61.1
2017	9	2,083.2	2,866	4,949	45,633.9	N/A	N/A	153,837	N/A	N/A	174,881	56.6
2017	10	2,135.7	2,916	5,052	50,685.5	N/A	N/A	153,830	N/A	N/A	174,743	57.8
2017	11	2,245.6	3,092	5,337	56,022.7	N/A	N/A	153,932	N/A	N/A	174,875	61.0
2017	12	2,245.5	3,066	5,312	61,334.5	N/A	N/A	154,061	N/A	N/A	174,871	60.8
SINGLE FAMILY TONNAGE BY MATERIAL DATA (Estimated from periodic composition studies)												AVG LBS
	ALUM	FERROUS METAL	GLASS	MIXED PAPER	NEWS PAPER	PLASTICS	TIN	CONTAMINANTS	TOTAL w/cont	TOTAL w/o cont	PER HOUSEHOLD	
2017 SF Total:	539.4	308.5	16,278.8	25,355.7	8,826.1	3,095.8	718.9	6,211.2	61,334.5	55,123.2	58.7	
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	62.6	
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	85.0	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			
2015-2017 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	Cumulative				Recology Cleanscapes Curb Bldgs	Waste Management Apt Bldgs	Total Apt Bldgs	RCS Apt Units	WM Apt Units	Total Apt Units	Units/Bldg	Lbs/Bldg	Lbs/Unit	
		Recology Cleanscapes	Waste Management	Total Multi Family Tons	Multi Family Tons										
2016	1	1,356.8	934	2,290	2,290.5	3,409	2,414	5,823	96,081	46,692	142,773	25	786.7	32.1	
2016	2	1,299.9	909	2,209	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	967	2,371	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	859	2,087	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	2,230	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	2,311	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	871	2,173	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	966	2,424	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	923	2,320	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	2,418	22,833.0	NA	NA	6,448	NA	NA	197,754	31	749.9	24.5	
2016	11	1,487.0	1,074	2,561	25,394.4	NA	NA	6,452	NA	NA	197,714	31	794.0	25.9	
2016	12	1,463.0	1,118	2,581	27,975.9	NA	NA	6,462	NA	NA	198,848	31	799.0	26.0	
2017	1	1,465.4	1,093	2,559	2,558.7	NA	NA	6,469	NA	NA	199,129	31	791.1	25.7	
2017	2	1,309.0	840	2,149	4,707.3	NA	NA	6,465	NA	NA	199,222	31	664.7	21.6	
2017	3	1,491.7	937	2,429	7,136.1	NA	NA	6,475	NA	NA	200,426	31	750.2	24.2	
2017	4	1,297.3	786	2,084	9,219.6	NA	NA	6,482	NA	NA	201,127	31	642.9	20.7	
2017	5	1,475.0	880	2,355	11,575.1	NA	NA	6,490	NA	NA	202,387	31	725.9	23.3	
2017	6	1,459.4	850	2,309	13,884.2	NA	NA	6,499	NA	NA	203,977	31	710.6	22.6	
2017	7	1,422.5	767	2,189	16,073.3	NA	NA	6,501	NA	NA	206,217	32	673.5	21.2	
2017	8	1,484.8	869	2,353	18,426.7	NA	NA	6,512	NA	NA	207,283	32	722.8	22.7	
2017	9	1,407.8	762	2,169	20,596.1	NA	NA	6,531	NA	NA	208,283	32	664.3	20.8	
2017	10	1,499.7	819	2,318	22,914.5	NA	NA	6,532	NA	NA	208,026	32	709.9	22.3	
2017	11	1,538.3	942	2,480	25,394.6	NA	NA	6,542	NA	NA	208,682	32	758.2	23.8	
2017	12	1,505.1	933	2,439	27,833.2	NA	NA	6,542	NA	NA	208,898	32	745.5	23.3	
TOTAL MULTIFAMILY PERCENTAGE BREAKDOWN BY MATERIAL (Estimated from periodic composition studies)											Customer Data				
2017 MF Total:	FERROUS										TOTAL	TOTAL w/o	Avg	Avg	
	ALUM	METAL	GLASS	MIXED PAPER	NEWSPAPER	PLASTICS	TIN	CONTAM- INANTS	w/cont	cont	Lbs/Bldg	Lbs/Unit			
	283.2	81.1	7,006.0	12,113.4	3,519.8	1,357.8	290.2	3,181.6	27,833.2	24,651.6	2017 Avg:	713.3	22.7		
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:	776.3	30.6		
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	30.0		
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	25.9		
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	24.9		
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	22.8		
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)															
2015-2017 Avg:	FERROUS										TOTAL				
	ALUM	METAL	GLASS	MIXED PAPER	NEWS PAPER	PLASTIC	TIN	CONTAM- INANTS	TOTAL						
2009-2014 Avg:	1.0%	0.3%	25.2%	43.5%	12.6%	4.9%	1.0%	11.4%	100%						
2005-2008 Avg:	0.7%	0.3%	17.1%	53.4%	17.0%	3.6%	0.9%	7.0%	100%						
2001-2004 Avg:	0.4%	0.5%	18.8%	45.3%	29.4%	2.2%	0.7%	2.6%	100%						
2000 Avg:	0.5%	0.2%	17.0%	41.9%	35.1%	1.6%	0.8%	2.9%	100%						
1999 Avg:	0.5%	0.1%	17.1%	44.0%	33.4%	1.5%	0.9%	2.4%	100%						
1998 Avg:	0.6%	NA	17.9%	53.0%	25.9%	0.8%	0.6%	1.1%	100%						
1997 Avg:	0.7%	NA	17.9%	49.0%	29.1%	1.0%	1.0%	1.3%	100%						
1996 Avg:	0.7%	NA	17.9%	50.9%	27.4%	0.9%	1.2%	1.0%	100%						
1995 Avg:	0.9%	NA	18.7%	40.3%	37.1%	1.0%	1.4%	0.8%	100%						
1994 Avg:	0.7%	NA	20.3%	35.5%	41.6%	0.2%	1.7%	NA	100%						
1993 Avg:	0.8%	NA	20.1%	49.6%	27.6%	0.0%	1.8%	NA	100%						
1992 Avg:	1.2%	NA	20.0%	65.3%	11.3%	0.0%	2.2%	NA	100%						
1991 Avg:	NA	NA	24.8%	48.4%	24.4%	NA	2.3%	NA	100%						
1990 Avg:	NA	NA	22.4%	36.2%	40.0%	NA	1.3%	NA	100%						
1989 Avg:	NA	NA	20.9%	45.8%	32.8%	NA	0.6%	NA	100%						
	NA	NA	22.9%	14.0%	63.1%	NA	0.0%	NA	100%						

¹ Tonnage data includes contaminants.

² Before Oct. 206, Multi Family referred to customers that receive dumpster garbage service.

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

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)					
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					
2017	1	3,827.3	4,136.2	7,963.5	7,963.5	314.8	73	4	25					
2017	2	3,241.8	3,483.6	6,725.4	14,688.9	292.1	89	4	45					
2017	3	3,712.7	3,985.4	7,698.2	22,387.0	333.7	115	3	61					
2017	4	3,210.5	3,459.0	6,669.5	29,056.5	305.4	107	3	50					
2017	5	3,698.0	3,939.0	7,636.9	36,693.5	342.2	154	3	61					
2017	6	3,654.9	3,899.2	7,554.0	44,247.5	319.2	145	9	67					
2017	7	3,488.8	3,684.2	7,172.9	51,420.4	348.5	138	4	60					
2017	8	3,715.4	3,975.5	7,690.9	59,111.3	313.3	139	10	61					
2017	9	3,491.0	3,627.7	7,118.7	66,230.0	318.1	147	3	72					
2017	10	3,635.3	3,734.7	7,370.0	73,600.0	371.0	113	15	73					
2017	11	3,784.0	4,033.3	7,817.3	81,417.3	323.8	85	0	64					
2017	12	3,750.6	3,999.7	7,750.3	89,167.6	307.9	46	3	79					
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	TIN	CONTAM-INANTS	TOTAL w/cont	TOTAL w/o cont	MOTOR OIL (Gallons)	ELECTRONICS (units)	APPLIANCES (units)
2017 Total:	822.6	389.6	23,284.9	37,469.0	12,345.9	4,453.6	1,009.1	9,392.9	89,167.6	79,774.8	3,890.0	1,351	61	718
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				

October 2016: New Billing system (CCB)

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.

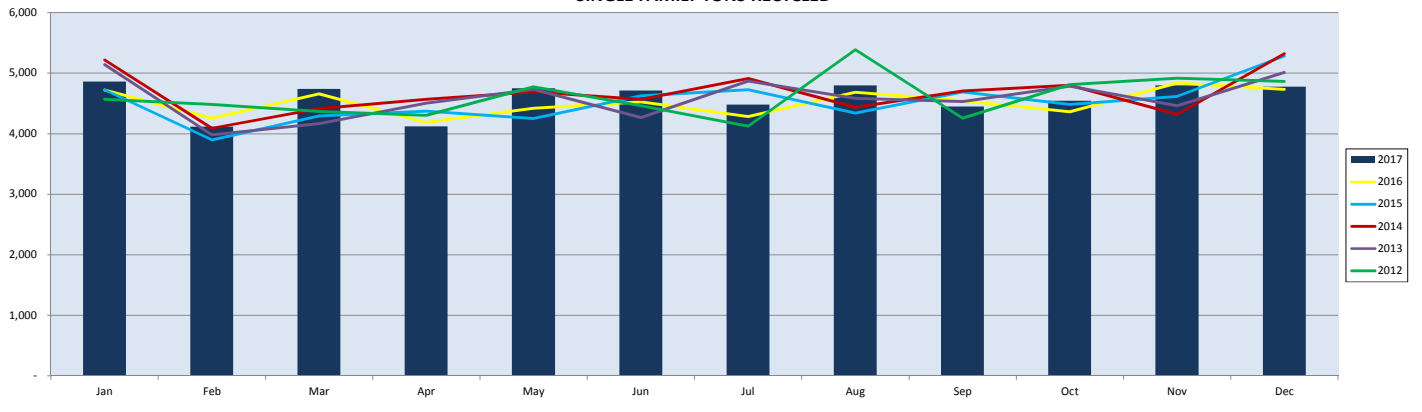
Jan 2005: Ban on recycle in garbage (except plastics) began

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

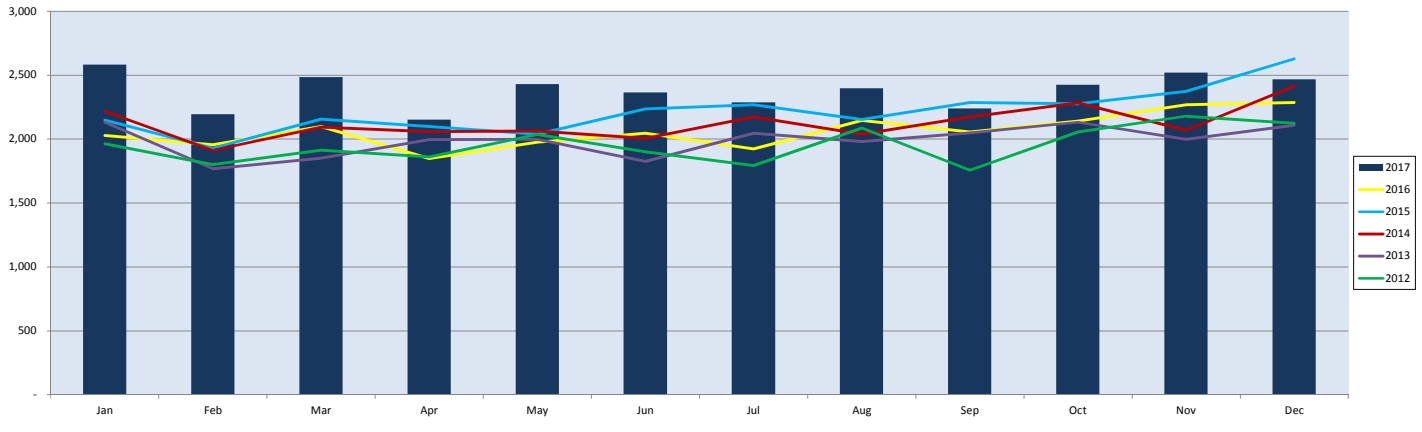
New materials (polycoated paper, aseptic packaging and additional plastics) added to program

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

