

# GARBAGE REPORT

4th Quarter 2016

Seattle Public Utilities, Economic Services Section

Report Date: April 4, 2017

Phone: (206) 684-4143

## Total City Tonnage Breakdown

### **Self Haul<sup>1</sup>**

Q4 Self Haul Cars <sup>2</sup>	486 Tons	5.8% increase vs. same period in 2015
2016 Cumulative Self Haul Cars:	2,236 Tons	2.1 % increase vs. same period in 2015
Q4 Self Haul Trucks <sup>3</sup> :	15,222 Tons	15.2% increase vs. same period in 2015
2016 Cumulative Self Haul Trucks:	63,517 Tons	8.1% increase vs. same period in 2015
2016 Cumulative Self Haul Cars & Trucks:	65,753 Tons	7.9% increase vs. same period in 2015

### **Residential**

Q4 Single Family:	13,761 Tons	3.2% increase vs. same period in 2015
2016 Cumulative Single Family:	54,067 Tons	2.9% increase vs. same period in 2015
Q4 Multi Family:	12,143 Tons	3.6% decrease vs. same period in 2015
2016 Cumulative Multi Family:	49,668 Tons	0.5% increase vs. same period in 2015
Q4 Total Residential:	25,904 Tons	0.1% decrease vs. same period in 2015
2016 Cumulative Total Residential:	103,735 Tons	1.7% increase vs. same period in 2015

### **Commercial**

Q4 Commercial:	35,348 Tons	0.3% decrease vs. same period in 2015
2016 Cumulative Commercial:	138,805 Tons	0.5% decrease vs. same period in 2015

### **Total Tons Collected**

Q4 Total Collected:	77,260 Tons	2.5% increase vs. same period in 2015
2016 Cumulative Total Collected:	308,293 Tons	1.9% increase vs. same period in 2015

### **Total Tons Delivered To Arlington<sup>4</sup>**

Q4 Total Delivered:	77,017 Tons	0.8 % increase vs. same period in 2015
2016 Cumulative Total Delivered:	307,626 Tons	1.7 % increase vs. same period in 2015

## Selected Statistics

Average Monthly Pounds Garbage Collected per Household YTD

Single Family Customers: (4 or less dwelling units)	53 lbs/hh	(181,940 hhs)	0.2% increase vs same period in 2015
Multi Family Customers (5 or more dwelling units)	56 lbs/hh	(156,527 hhs)	0.9% decrease vs same period in 2015

## Recycling & Disposal Station Self Haul Garbage Rates<sup>5</sup>

Cars: \$30.00 per trip      Trucks: \$145.00 per ton (\$30.00 minimum)

<sup>1</sup> The North Recycle & Disposal Station re-opened Nov 28, 2016 after a rebuild.

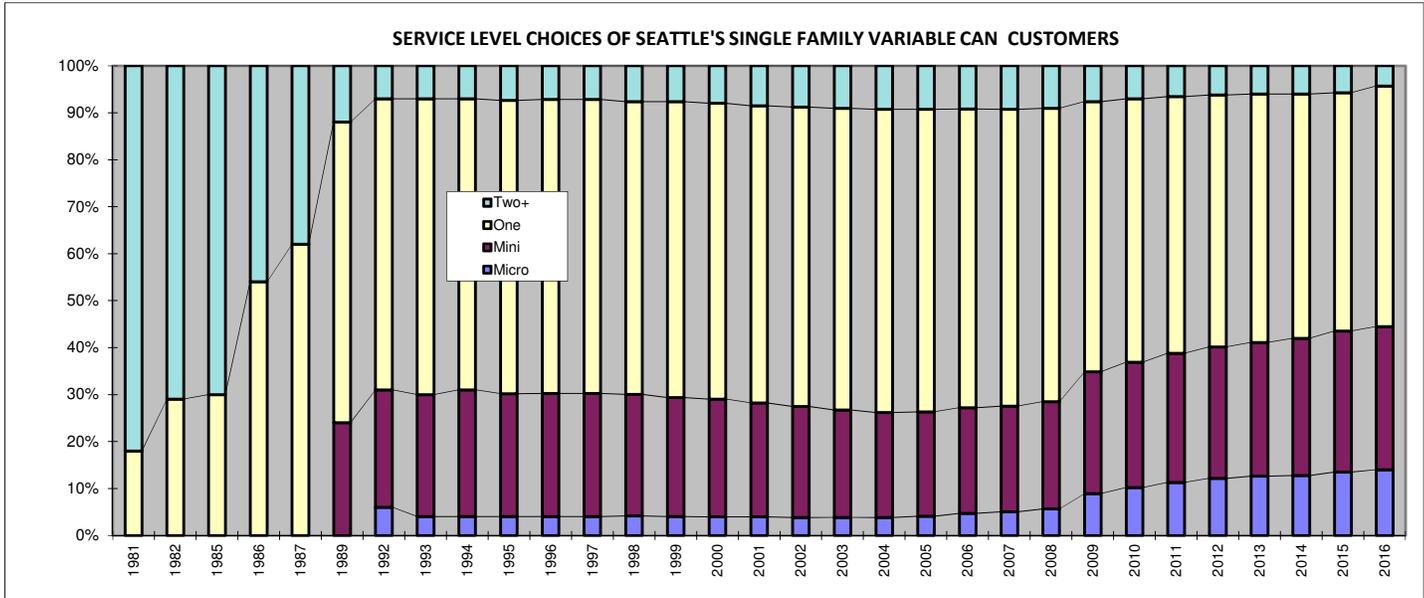
<sup>2</sup> Beginning Feb 2014 car trips are weighed. Prior to Feb 2014, car weights were calculated based on composition study results. Average weighed car trips were 280 pounds/car for Q1 2014 as compared to 480.8 pounds/car that were used from 2009 to present based on the 2008 waste composition study.

<sup>3</sup> An estimated 38% of the self-haul truck tons are commercial according to a waste stream sampling study conducted in 2012.

<sup>4</sup> Total tons collected not equal to total tons delivered due to operational factors.

<sup>5</sup> Vans & pickup trucks pay the per ton truck rate.

## Variable Can Service Levels for Single Family Can Customers



	Micro	Mini	One	Two+
<b>1981</b>			18.00%	82.00%
<b>1982</b>			29.00%	71.00%
<b>1985</b>			30.00%	70.00%
<b>1986</b>			54.00%	46.00%
<b>1987</b>			62.00%	38.00%
<b>1989</b>		24.00%	64.00%	12.00%
<b>1992</b>	6.00%	25.00%	62.00%	7.00%
<b>1993</b>	4.00%	26.00%	63.00%	7.00%
<b>1994</b>	4.00%	27.00%	62.00%	7.00%
<b>1995</b>	4.06%	26.15%	62.44%	7.35%
<b>1996</b>	4.04%	26.23%	62.59%	7.14%
<b>1997</b>	4.04%	26.23%	62.59%	7.14%
<b>1998</b>	4.16%	25.88%	62.35%	7.61%
<b>1999</b>	4.06%	25.60%	63.62%	7.72%
<b>2000</b>	3.93%	25.08%	63.02%	7.97%
<b>2001</b>	3.96%	24.24%	63.32%	8.49%
<b>2002</b>	3.85%	23.62%	63.72%	8.82%
<b>2003</b>	3.84%	22.85%	64.23%	9.08%
<b>2004</b>	3.86%	22.31%	64.54%	9.30%
<b>2005</b>	4.13%	22.22%	64.37%	9.28%
<b>2006</b>	4.72%	22.49%	63.57%	9.21%
<b>2007</b>	5.05%	22.50%	63.17%	9.28%
<b>2008</b>	5.66%	22.85%	62.45%	9.04%
<b>2009</b>	8.93%	25.89%	57.51%	7.67%
<b>2010</b>	10.21%	26.69%	56.08%	7.02%
<b>2011</b>	11.31%	27.45%	54.72%	6.53%
<b>2012</b>	12.13%	27.98%	53.68%	6.21%
<b>2013</b>	12.62%	28.49%	52.85%	6.04%
<b>2014</b>	12.75%	28.66%	52.58%	6.02%
<b>2015</b>	12.90%	29.29%	51.83%	5.98%
<b>2016</b>	13.99%	30.49%	51.22%	4.30%

**Monthly Variable Can Rates**

Micro (12 gal)	\$21.30
Mini (19 gal)	\$26.10
One Can (32 gal)	\$34.00
Two Cans (64 gal)	\$68.00
Each Add'l Can	\$10.60

**Residential Dumpster Service**

Most Common Monthly Rate\*

\$214.77

\*This is the rate for a one cubic yard un-compacted container picked up once per week. Residential dumpster service rates vary based on the number and size of containers and the number of pickups per week.

**CITY OF SEATTLE GARBAGE TONNAGE REPORT**

		SELF HAUL			RESIDENTIAL							COMMERCIAL GARBAGE							GRAND					
		Self Haul <sup>23</sup>		Total	CleanScapes <sup>19</sup>		Waste Management		TOTALS					CleanScapes			Rabanco			Waste Management			TOTAL	TOTAL
Year	Month	Cars <sup>2</sup>	Trucks	Self Haul	City Stations	Eastmont/Lander <sup>20</sup>	City Stations	Eastmont	Single Family	SF <sup>24</sup> Lbs/HH	Multi Family	MF <sup>24</sup> Lbs/HH	Total Residential	City Stations	Eastmont	Recology <sup>22</sup>	City Stations	Lander <sup>21</sup>	Eastmont	City Stations	Lander	Eastmont	COMMERCIAL	GARBAGE
2015	1	147	4,685	4,832	4,304	0	4,207	0	4,498	55	4,013	56	8,511	5,471	0	586		499		4,573	264		11,393	24,736
2015	2	157	4,550	4,707	3,966	0	3,757	0	3,975	49	3,748	52	7,723	5,189	0	268		426		4,251	316		10,450	22,880
2015	3	176	4,847	5,023	4,405	0	4,178	0	4,354	53	4,229	59	8,583	5,654	0	533		469		4,616	319		11,592	25,198
2015	4	176	4,739	4,915	4,279	0	4,077	0	4,338	53	4,017	56	8,356	5,503	0	553		472		4,643	445		11,615	24,886
2015	5	230	5,178	5,408	4,189	0	3,956	0	4,178	51	3,967	55	8,145	5,552	0	419		460		4,399	472		11,301	24,853
2015	6	202	5,175	5,377	4,515	0	4,226	0	4,460	54	4,281	59	8,742	5,832	0	298		497		4,742	541		11,909	26,028
2015	7	207	5,462	5,669	4,502	2	4,342	0	4,578	56	4,268	59	8,846	5,930	5	449		510		4,852	412		12,157	26,672
2015	8	228	5,418	5,646	4,258	9	4,044	0	4,257	52	4,054	56	8,311	5,655	28	461		478		4,564	475		11,662	25,619
2015	9	208	5,220	5,428	4,541	0	4,273	0	4,551	55	4,263	59	8,814	5,663	3	676		506		4,656	504		12,009	26,251
2015	10	154	4,977	5,131	4,348	2	4,086	0	4,320	53	4,116	56	8,436	5,550	1	506		494		4,672	647		11,870	25,438
2015	11	168	4,276	4,443	4,279	8	4,117	3	4,320	53	4,087	56	8,407	5,300	1	598		507		4,502	639		11,547	24,397
2015	12	138	4,222	4,360	4,644	0	4,450	4	4,700	57	4,398	60	9,098	5,533	0	523		567		4,926	504		12,052	25,511
2016	1	154	4,335	4,490	4,292	0	4,129	0	4,401	54	4,020	55	8,421	5,155	0	722		508		4,425	448		11,258	24,169
2016	2	154	4,397	4,551	4,190	0	4,036	0	4,212	51	4,014	55	8,226	5,129	0	69		472		4,575	496		10,741	23,517
2016	3	183	4,941	5,124	4,641	0	4,456	0	4,668	57	4,429	61	9,096	5,547	0	72		509		5,035	515		11,678	25,898
2016	4	205	5,209	5,414	4,191	0	4,053	0	4,277	52	3,967	54	8,244	5,290	0	114		784		4,620	459		11,264	24,922
2016	5	199	5,443	5,642	4,419	0	4,191	0	4,425	54	4,186	57	8,611	5,486	0	70		784		4,777	459		11,580	25,832
2016	6	211	5,789	6,000	4,512	0	4,269	0	4,594	56	4,187	57	8,781	5,636	0	80		827		4,712	444		11,699	26,480
2016	7	243	5,941	6,184	4,316	0	4,146	0	4,405	54	4,057	55	8,462	5,400	0	53		848		4,452	589		11,342	25,988
2016	8	213	6,243	6,456	4,773	0	4,443	0	4,722	57	4,494	61	9,216	5,866	0	104		807		5,160	463		12,399	28,072
2016	9	187	5,697	5,885	4,534	0	4,240	0	4,602	56	4,171	56	8,773	5,488	0	109		886		4,506	508		11,497	26,155
2016	10	156	4,990	5,146	4,453	0	4,080	40	4,552	50	4,020	51	8,573	5,531	0	132		858		4,660	573		11,754	25,473
2016	11	142	4,986	5,128	4,606	0	4,325	0	4,735	52	4,197	54	8,932	5,640	0	107		843		4,897	534		12,021	26,081
2016	12	188	5,545	5,733	4,332	0	4,069	0	4,475	49	3,926	50	8,401	5,432	0	107		915		4,607	511		11,572	25,706
<b>Total 2016</b>		<b>2,236</b>	<b>63,517</b>	<b>65,753</b>	<b>53,258</b>	<b>0</b>	<b>50,437</b>	<b>40</b>	<b>54,067</b>	<b>53</b>	<b>49,668</b>	<b>56</b>	<b>103,736</b>	<b>65,599</b>	<b>0</b>	<b>1,739</b>		<b>9,041</b>		<b>56,426</b>	<b>5,999</b>		<b>138,804</b>	<b>308,293</b>
Total 2015		2,190	58,748	60,938	52,231	21	49,713	8	52,529	53	49,443	57	101,972	66,831	38	5,870		5,884		55,394	5,539		139,557	302,467
Total 2014		2,487	55,360	57,847	56,344	230	55,396	241	59,772	61	52,439	63	112,211	66,888	2,431	3,378		5,680		55,804	5,275		139,457	309,515
Total 2013		6,569	67,450	74,018	52,050	3,667	50,889	4,233	60,302	62	50,537	63	110,838	35,955	31,556			5,623		33,975	25,233		132,343	317,199
Total 2012		6,285	64,190	70,474	52,651	3,007	53,052	2,709	60,906	62	50,514	65	111,420	41,082	27,298			5,883		38,527	21,300		134,089	315,984
Total 2011		6,206	64,827	71,033	54,180	2,320	54,935	1,339	62,779	64	49,993	65	112,773	41,090	26,773			5,519		39,170	22,984		135,536	319,342
Total 2010		6,230	73,062	79,292	53,799	3,587	54,995	1,715	64,309	66	49,788	66	114,097	37,844	32,486			2,742		42,042	27,066		142,180	335,569
Total 2009		6,354	75,210	81,565	57,760	4,730	52,243	3,992					118,725	31,939	24,020			4,206	9,278	40,627	51	27,574	151,398	351,688
Total 2008		5,750	85,144	90,894	72,125	7,324	47,111	660					127,219				63,903	15,523	38,414	31,292	0	27,658	176,791	394,904
Total 2007		6,755	100,343	107,098	73,433	9,827	49,918	248					133,426				55,453	77,257	693	32,858	18,262	14,495	199,018	439,542
Total 2006		7,711	95,717	103,428	72,436	10,551	49,718	969					133,674				59,890	76,187		33,239	27,451	4,437	201,205	438,308
Total 2005		7,487	93,011	100,499	78,520	4,390	51,638	9					134,557				59,107	81,223		36,561	24,297	4,658	205,846	440,902
Total 2004		7,723	92,043	99,766	77,887	8,398	53,125	3,118					142,527				32,492	114,374		20,547	14,329	34,370	216,112	458,405
Total 2003		7,386	93,845	101,232	83,943	3,596	54,147	1,845					143,532				28,843	113,688		999		69,717	213,247	458,010
Total 2002		7,353	95,537	102,891	86,806	406	55,145	554					142,910				31,135	112,409		8,237		65,413	217,195	462,996
Total 2001		6,818	95,487	102,305	87,793	539	56,216	9					144,557					145,933				82,472	228,405	475,268
Total 2000		6,323	95,560	101,883	77,300	869	67,309	368					145,845					136,695				91,722	228,417	476,145
Total 1999 <sup>13</sup>		6,989	97,378	104,367	46,595		101,123						147,718					139,396				85,952	225,348	477,433
Total 1998		16,883	81,136	98,019	43,621	2,230	100,083						145,934					133,429				80,217	213,646	457,598
Total 1997		15,750	81,396	97,146	47,290	16	100,632						147,938					129,617				79,053	208,670	453,754
Total 1996 <sup>12</sup>		13,777	70,091	83,868	47,784	962	95,543						144,289					123,521				71,448	194,969	423,127
Total 1995 <sup>8</sup>		13,279	71,208	84,487	48,626	572	100,926						150,124					121,121				75,581	196,702	431,313
Total 1994		13,064	74,291	87,354	46,922	2,043	101,123						150,089					119,623				75,144	194,767	432,210
Total 1993		8,665	76,853	85,518	47,269		96,859						144,127					126,676				73,915	200,591	430,236
Total 1992		8,178	80,742	88,920	45,475		96,679						142,154					125,596				68,742	194,338	425,412
Total 1991		7,947	68,576	76,523	44,228		96,494						140,722					147,868				74,389	222,257	439,502
Total 1990 <sup>3</sup>		7,253	73,939	81,192	44,249		96,278						140,528					157,664				78,461	236,125	457,845
Total 1989 <sup>4,5</sup>		6,919	58,720	65,639	45,338		97,884						143,222					121,029				75,513	196,542	405,403
Total 1988 <sup>5</sup>		11,810	75,557	87,367	96,405		83,564						179,968					125,494				72,680	198,174	465,509
Total 1987 <sup>7</sup>		13,622	88,147	101,769	99,159		89,685						188,844					170,703				55,212	225,915	516,528
Total 1986		25,278	105,442	130,720	100,190		90,396						190,586					151,189				50,947	202,136	523,442

1 The two city owned recycling and disposal stations are NRDS in the north end of the city and SRDS in the South end.

2 Beginning Feb 2014 car trips are weighed. Prior to this, car weights were calculated based on composition study results.

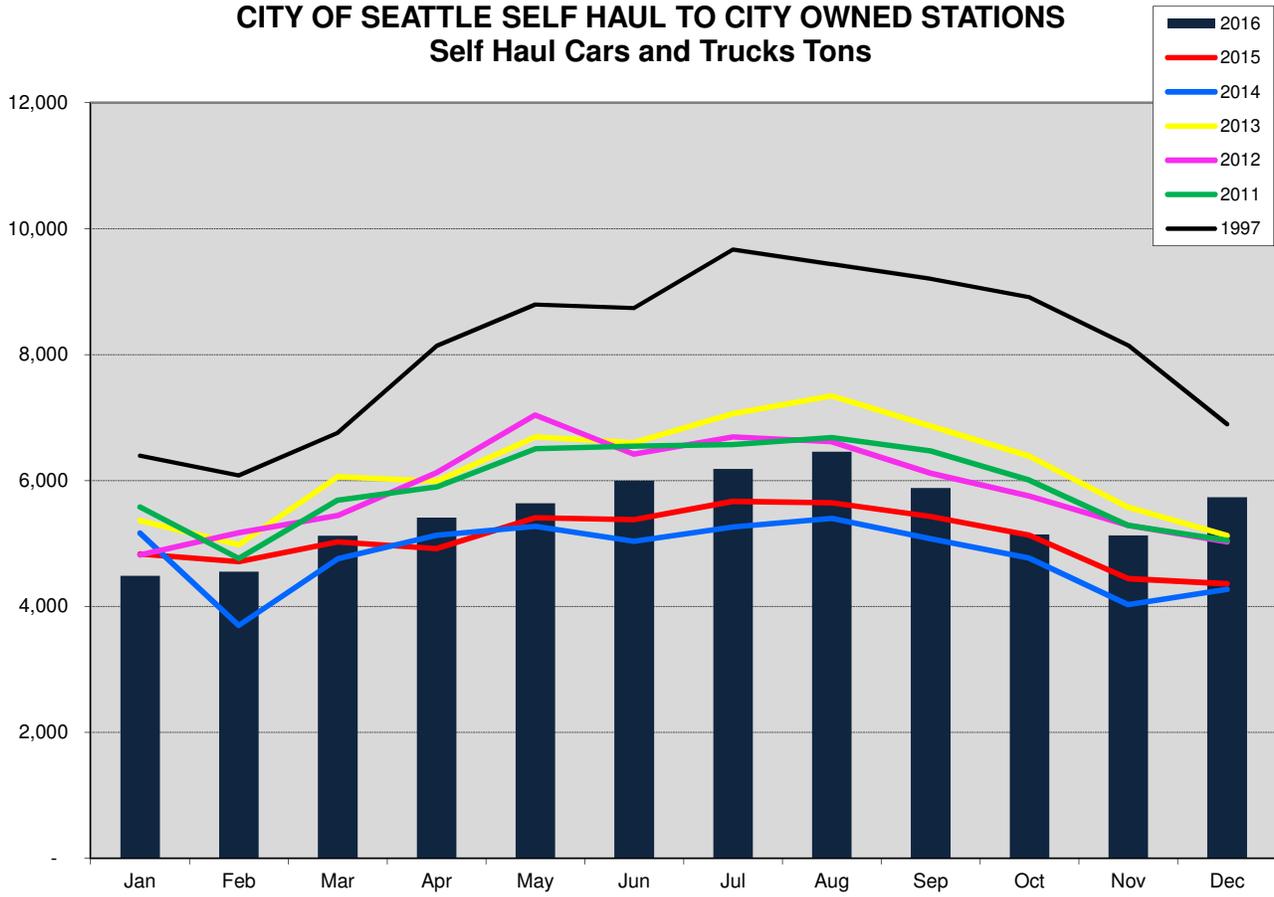
Car weight estimate for 2009 - Jan 2014 based on 480.8 pounds per car

Car weight estimate for 2001/2008 based on 378.8 pounds per car.

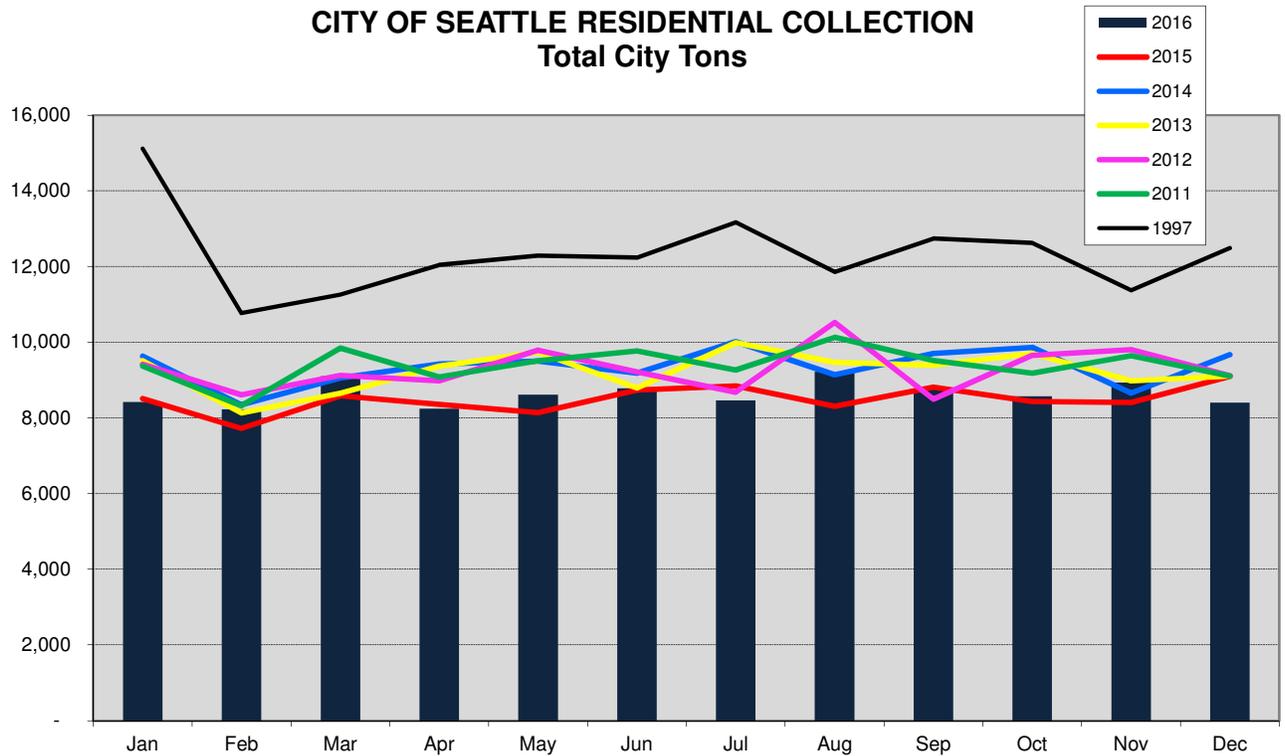
Car weight estimate for 1999/2000 based on 333 pounds per car

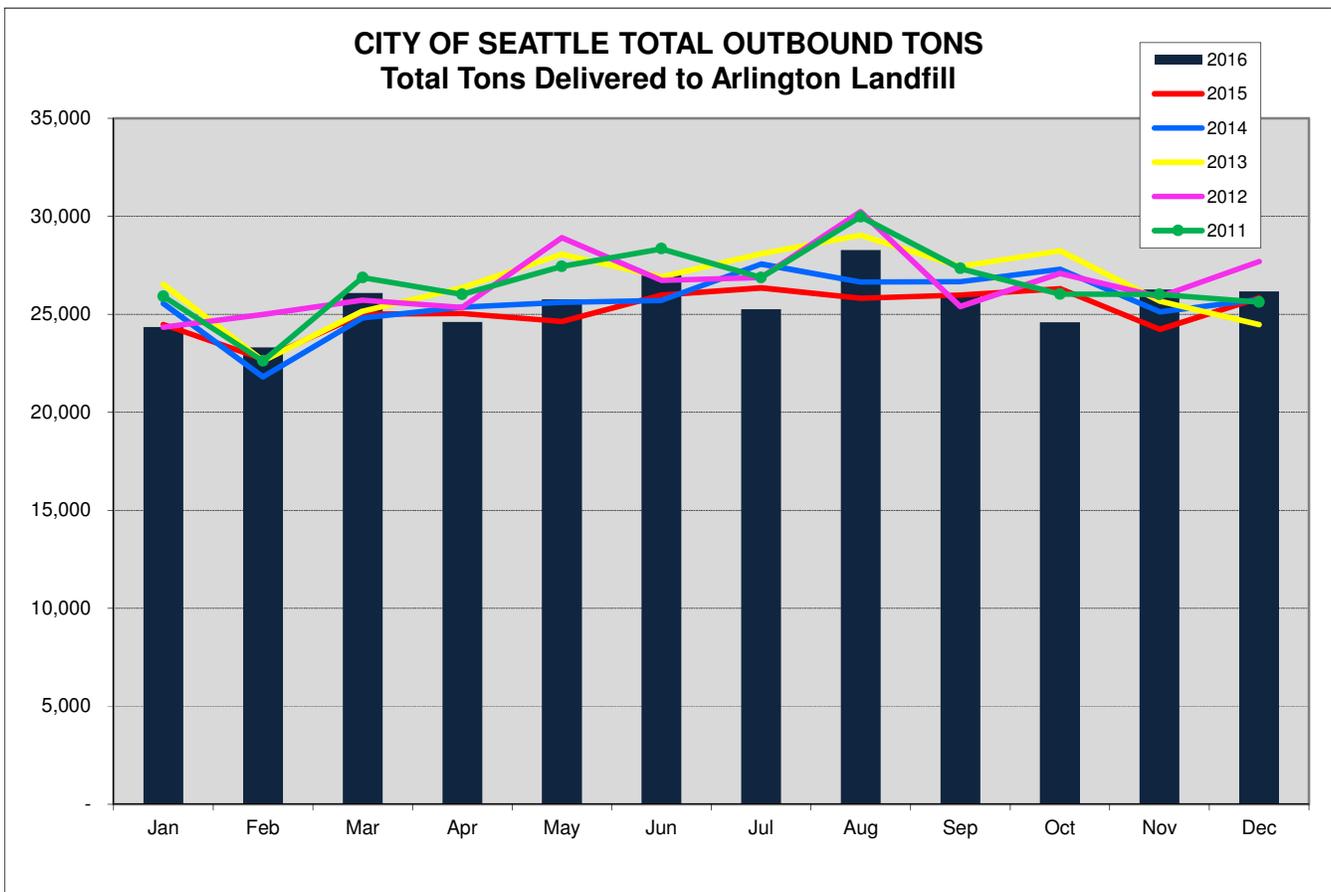
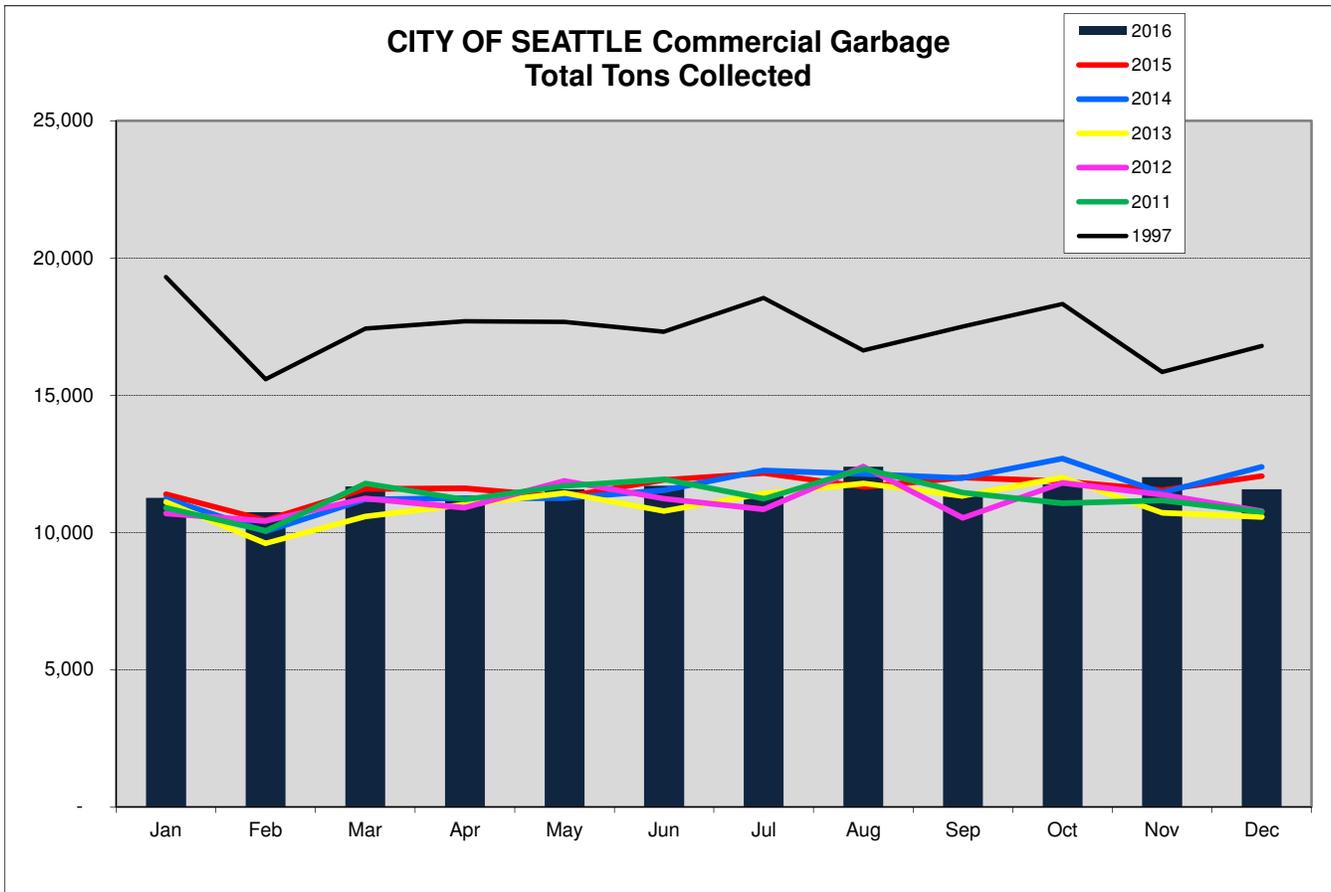
Car weight estimate for 1

### CITY OF SEATTLE SELF HAUL TO CITY OWNED STATIONS Self Haul Cars and Trucks Tons

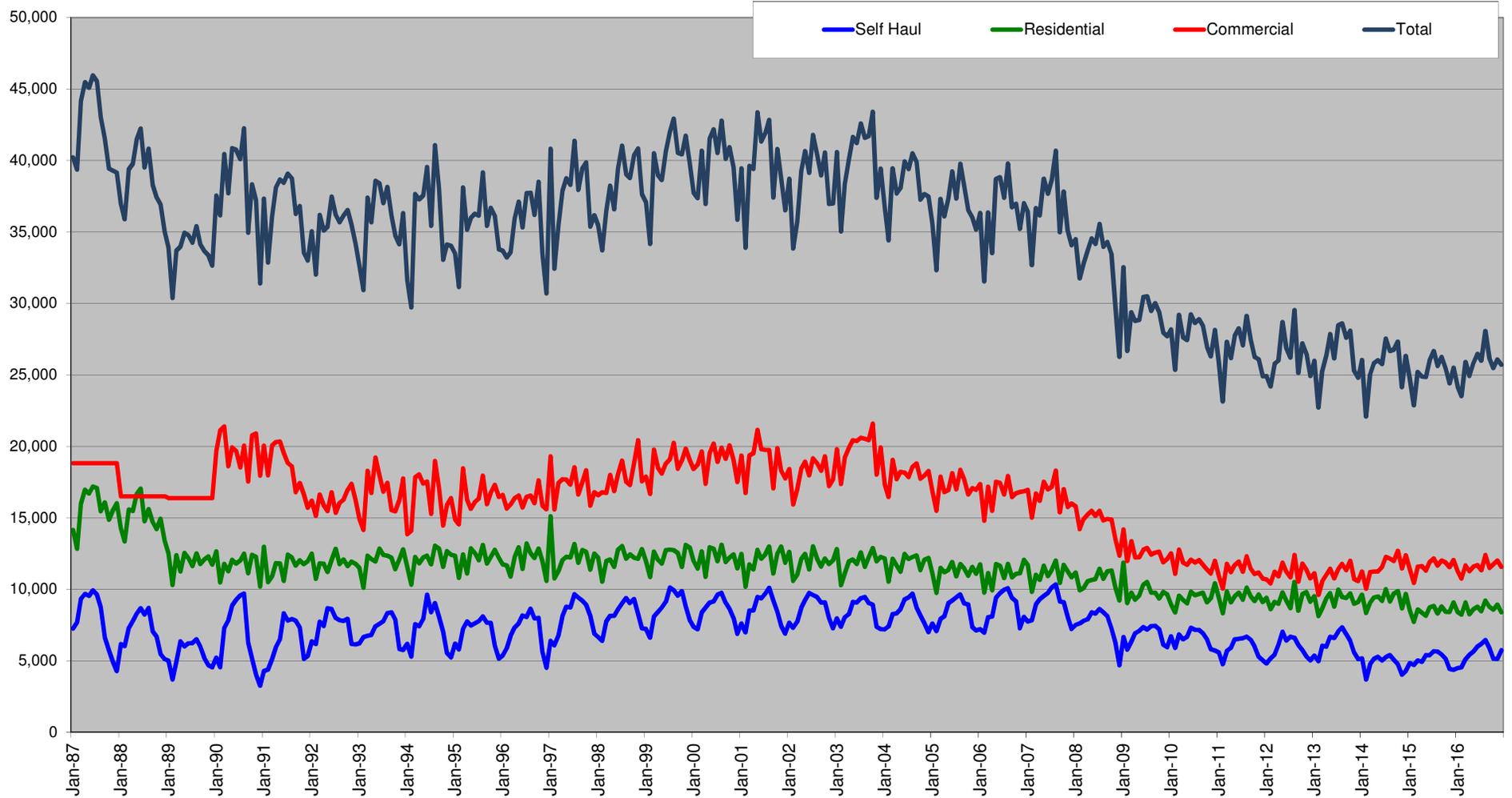


### CITY OF SEATTLE RESIDENTIAL COLLECTION Total City Tons



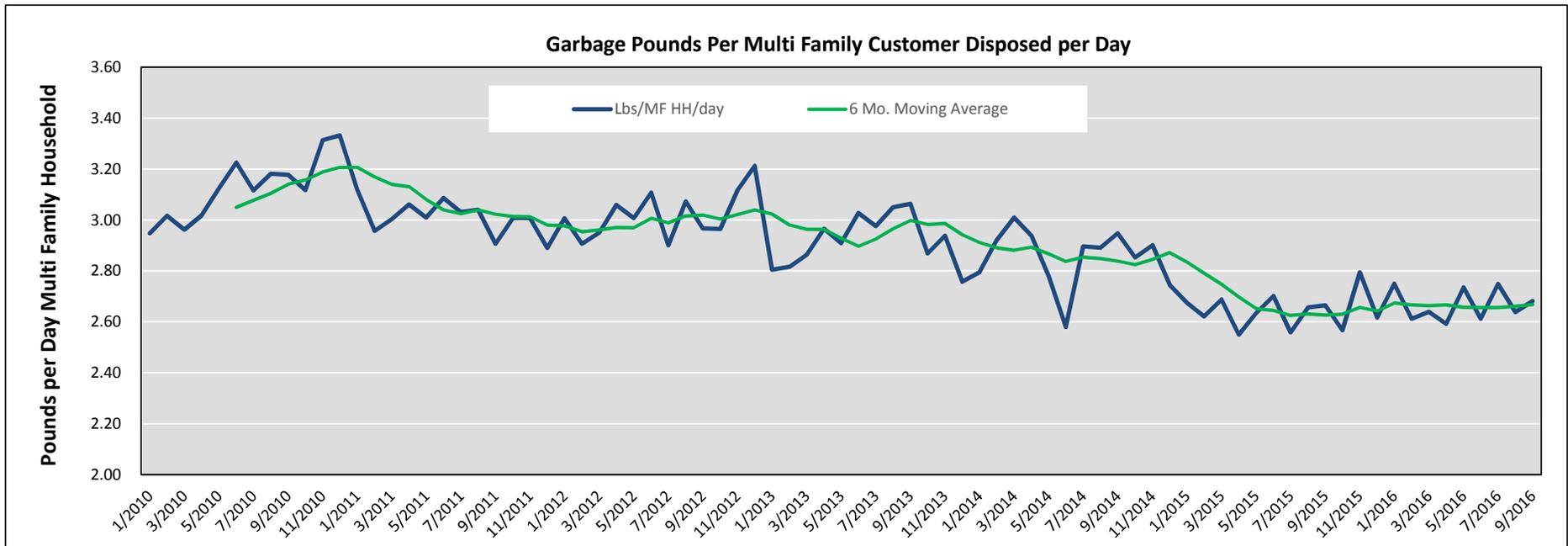
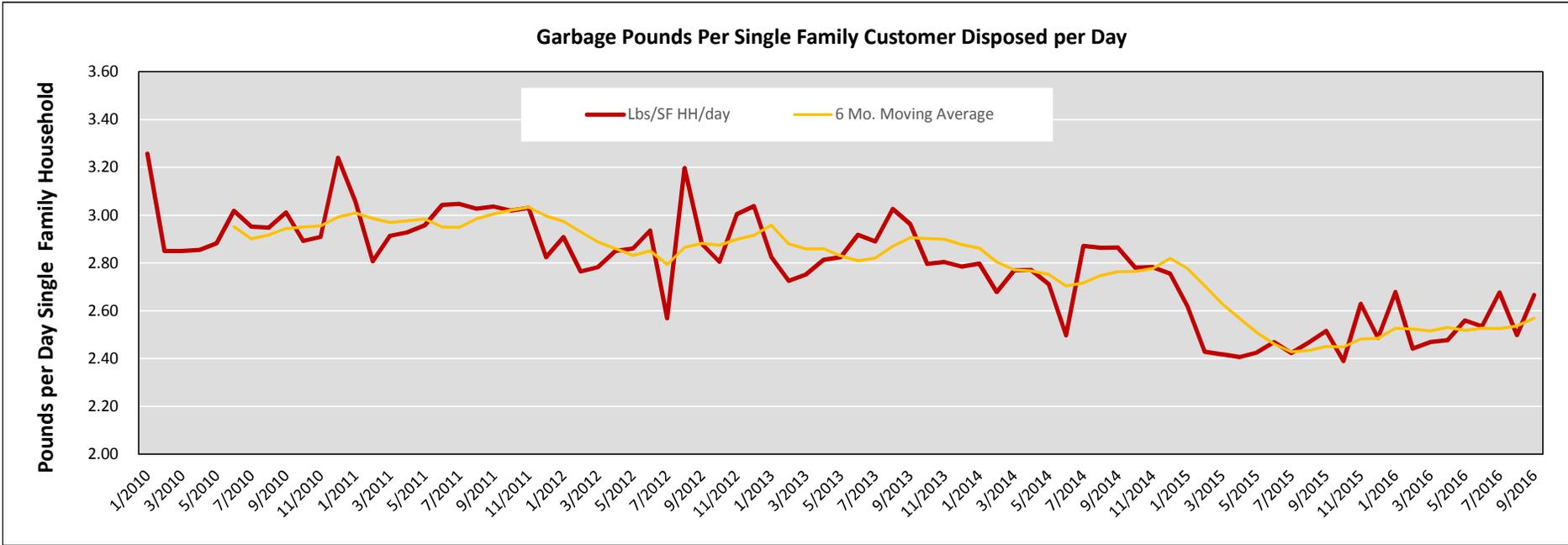


# City of Seattle Garbage Disposal



Monthly commercial tonnage for 1987-1989 estimated from annual data.

## Effects of the 2015 ban on organics in the garbage container.



Notes:

- April 2009      Organics collection changes from biweekly to weekly collection and is mandatory for single family customers
- September 2011      Organics service is mandatory for multi family customers
- January 2015      Organics are banned from the garbage for all customers