

ORGANICS REPORT

3rd Quarter 2016

(Formerly Known as Yard Waste Report)

Seattle Public Utilities, Economic Services Section

Report Date: December 1, 2016

Phone: (206) 684-4143

Tonnage Breakdown

Self Haul¹

Q3 2016: 1,276 Tons 15.1% increase vs. same period in 2015
Cumulative YTD Self Haul: 3,526 Tons 8.8% increase vs. same period in 2015

Residential

(single family and multi- family)

Q3 2016: 21,795 Tons 3.4% increase vs. same period in 2015
Cumulative YTD Curbside: 68,115 Tons 4.7% increase vs. same period in 2015

Commercial

(contract and non contract tons)

Q3 2016: 16,817 Tons 10.3% increase vs. same period in 2015
Cumulative YTD Commercial: 48,417 Tons 12.8% increase vs. same period in 2015

Organics Subscription Information by Premises² Type

Residential customers can request Exempt service if they do backyard food waste composting. "Curb" service is the same as can premise service; the customer moves the can out to the curb for collection. "On Site" service does not require the customer to move their container(s) out to the curb, similar to dumpster service. "Liner" service means a new liner is provided after each collection.

Residential Single Family Premises by Subscription Type

Jun-16	13 gal	32 gal	90 gal	Curb Liner	Onsite Liner	Total Signed Up	Exempt
Can Premises	32,293	19,997	93,405	461	96	145,517	4,584
%	22%	14%	64%	0.3%	0.1%	97%	3%

Residential Multi Family Premises by Subscription Type

Sep-16	Curb No Liner	Curb Liner	Onsite Liner	Total Signed Up	Exempt	Not Signed Up
Multifamily Dumpster	1,392	2,709	1,035	5,023	102	88
%	28%	54%	21%	96%	2%	2%

Commercial Subscriptions³

Jun-16	Contract Commercial	Non Contract Commercial	Total Commercial Subscriptions
# Subscriptions	1,947	2,453	4,400
2016 vs 2015	4%	3%	3%

1 There have been fewer Self Haul trips and tons due to the closure of the North Recycle & Disposal Station on Jan 20, 2015 for a rebuild.

2 A premise is roughly equal to a building in our billing system. An apartment building is typically equal to one premise.

3 The large increase in subscriptions coincides with the ban on all organics in the garbage which began January 1, 2015.

Basics of Residential Organics Program

Service: Beginning April 2009, collection frequency increased from bi-weekly to weekly pickup. All single family customers are required to sign up for organics service or request an exemption if they have backyard food waste composting. As of September 2011 multifamily and multiplex customers are also required to sign up for organics service. Multifamily customers can sign up for residential can/cart curbside service or onsite can/cart service. (Curbside service requires the customer to bring their container to the curb; onsite service does not require the customer to move their container.) Liner service, which includes a biodegradable plastic liner placed in the can or cart after each collection, is also available to multifamily customers.

MATERIALS: Leaves, grass clippings, prunings 4 inches or less in diameter. Starting in April 2009, all food waste and food soiled paper are allowed in the cart. As of January 1, 2015, Organics, including food waste, compostable paper, and yard waste are not allowed in the curbside garbage container.

Fees: Monthly Variable Can/Cart Prices: 13 gal = \$5.65, 32 gal = \$8.50, 96 gal = \$10.85

Basics of Self Haul Program

SERVICE: Two city owned recycle and disposal stations accept organics during regular operating hours. Yard waste must be separated and cannot be disposed of as garbage.

FEES: **Cars:** \$20.00 per trip (compared to \$30.00 per trip for garbage).
Trucks: \$110.00 per ton (compared to \$145.00 per ton for garbage).

Basics of Commercial Program

SERVICE: Seattle has contracts with Waste Management and Cleanscapes for garbage and organics service. Customers can sign up with their contract garbage hauler for organics service. In addition, Seattle commercial customers can choose organics service through a hauler outside of the city contracts. This is referred to as "non-contract" organics service.

MATERIALS: All food scraps (including meat, fish, dairy and produce), food soiled paper, waxed cardboard, and yard debris. Beginning January 1, 2015 all organics materials are banned from the garbage.

FEES: Approximately 32% below garbage prices. (Non-contract prices vary.)

CITY OF SEATTLE ORGANICS PROGRAM

		TONNAGE DATA									ACCOUNT SIGN-UP DATA					
Year	Month	SELF HAUL			CURBSIDE				COMMERCIAL ³			RESIDENTIAL		COMMERCIAL		
		North	South	Total	WM	USD	CS	Total	Contract	Non Contract	Total	Accounts	Lbs/Acct	Contract	NonContract	Total
2015	1		221	221	3,022		2,492	5,514	243	4,158	4,401	148,286	74	1,531	2,161	3,692
2015	2		252	252	2,975		2,248	5,222	98	4,243	4,341	148,453	70	1,654	2,234	3,888
2015	3		367	367	4,139		2,961	7,100	150	4,239	4,389	148,720	95	1,713	2,240	3,953
2015	4		398	398	5,137		3,549	8,686	285	4,566	4,851	148,952	117	1,758	2,357	4,115
2015	5		463	463	5,424		3,731	9,155	288	4,548	4,837	149,196	123	1,812	2,277	4,089
2015	6		431	431	4,938		3,398	8,336	272	4,575	4,847	149,418	112	1,859	2,277	4,136
2015	7		370	370	3,948		2,851	6,799	323	4,739	5,062	149,571	91	1,860	2,339	4,199
2015	8		346	346	3,644		2,629	6,273	323	4,752	5,075	149,676	84	1,862	2,361	4,223
2015	9		393	393	4,539		3,460	7,999	315	4,791	5,106	149,776	107	1,877	2,383	4,260
2015	10		373	373	4,314		3,333	7,647	339	4,870	5,209	149,756	102	1,894	2,402	4,296
2015	11		317	317	5,284		4,474	9,758	311	4,870	5,182	149,765	130	1,899	2,415	4,314
2015	12		236	236	3,649		3,073	6,723	307	4,856	5,163	149,818	90	1,902	2,416	4,318
2016	1		211	211	2,959		2,316	5,274	310	4,836	5,146	149,835	70	1,912	2,405	4,317
2016	2		238	238	2,902		2,298	5,200	287	4,820	5,107	149,853	69	1,921	2,404	4,325
2016	3		350	350	4,393		3,323	7,716	317	4,813	5,130	149,992	103	1,949	2,411	4,360
2016	4		470	470	5,699		3,922	9,621	315	5,062	5,377	150,161	128	1,935	2,437	4,372
2016	5		511	511	5,770		4,033	9,804	395	5,063	5,458	150,351	130	1,954	2,433	4,387
2016	6		469	469	5,026		3,678	8,704	336	5,046	5,382	150,524	116	1,938	2,436	4,374
2016	7		541	541	4,361		3,149	7,510	327	5,254	5,581	150,624	100	1,944	2,452	4,396
2016	8		367	367	4,234		2,992	7,226	388	5,265	5,653	150,748	96	1,951	2,449	4,400
2016	9		368	368	4,123		2,936	7,059	350	5,233	5,583	150,748	94	1,947	2,453	4,400
Total 2016			3,526	3,526	39,468		28,647	68,115	3,026	45,391	48,417	2016 Avg	101		2016 Avg	4,370
Total 2015 ⁵			4,167	4,167	51,013		38,200	89,213	3,255	55,207	58,462	2015 Avg	100		2015 Avg	4,124
Total 2014 ⁴		100	4,099	4,199	47,276		35,312	82,588	1,875	48,237	50,111	2014 Avg	93		2014 Avg	2,625
Total 2013		3,219	3,071	6,290	46,960		35,430	82,390	2,101	43,980	46,081	2013 Avg	94		2013 Avg	2,457
Total 2012		3,245	3,348	6,593	47,599		36,067	83,666	1,977	40,637	42,614	2012 Avg	97		2012 Avg	2,242
Total 2011		3,449	3,345	6,794	45,777		34,036	79,813	2,686	38,101	40,787	2011 Avg	94		2011 Avg	2,047
Total 2010		3,715	3,966	7,682	46,564		33,388	79,952	2,113	35,139	37,252	2010 Avg	95		2010 Avg	1,648
Total 2009 ²		4,775	5,374	10,149	42,648	4,455	27,127	74,230	1,763	29,961	31,724	2009 Avg	90		2009 Avg	1,243
Total 2008		5,530	6,363	12,667	28,348	28,016		56,364	2,260	24,902	27,162	2008 Avg	87		2008 Avg	930
Total 2007		6,731	7,516	14,247	27,447	27,126		54,573	5,023	9,748	14,771	2007 Avg	87		2007 Avg	
Total 2006:		6,953	7,323	14,276	26,125	25,414		51,539	7,123	280	7,403	2006 Avg	85		2006 Avg	
Total 2005:		6,598	7,328	13,925	22,009	20,595		42,603				2005 Avg	74		2005 Avg	
Total 2004:		7,729	7,177	14,905	19,670	18,815		38,485				2004 Avg	69		2004 Avg	
Total 2003:		7,559	6,597	14,156	17,094	16,830		33,923				2003 Avg	62		2003 Avg	
Total 2002:		7,844	6,522	14,366	17,086	17,417		34,503				2002 Avg	70		2002 Avg	
Total 2001:		8,279	6,755	15,034	18,412	18,578		36,990				2001 Avg	NA		2001 Avg	
Total 2000:		8,280	5,752	14,031	18,240	15,797		34,037				2000 Avg	66		2000 Avg	
Total 1999:		8,186	5,506	13,692	28,080	11,657		39,737				1999 Avg	78		1999 Avg	
Total 1998:		8,122	4,912	13,034	28,286	12,260		40,546				1998 Avg	79		1998 Avg	
Total 1997:		8,574	5,563	14,137	30,017	13,113		43,130				1997 Avg	84		1997 Avg	
Total 1996:		7,341	4,186	11,527	27,491	11,842		39,333				1996 Avg	76		1996 Avg	
Total 1995:		7,567	4,596	12,163	29,122	11,622		40,745				1995 Avg	75		1995 Avg	
Total 1994:		7,045	4,952	11,997	26,099	10,974		37,073				1994 Avg	72		1994 Avg	
Total 1993 ¹ :		8,019	5,423	13,442	30,113	12,582		42,695				1993 Avg	78		1993 Avg	
Total 1992:		6,430	5,124	11,553	24,547	10,243		34,790				1992 Avg	61		1992 Avg	
Total 1991:		8,814	5,908	14,722	28,103	11,100		39,203								
Total 1990:		7,339	5,625	12,964	25,936	10,845		36,780								
Total 1989:		6,495	4,753	11,249	22,812	8,845		31,657								

1. Note that the fairly large increase in tonnage from 1992 to 1993 is due to two factors:

- a) 1992 tonnage was the lowest since 1989 due to the drought and lawn watering ban which extended from June 1 - November 2, 1992.
- b) 1993 tonnage was high due to abundant precipitation in the spring and summer months.

2. Some commercial curbside can/cart organics are included in residential curbside tons. New 10-yr contracts began 3/30/2009. CS (Cleanscapes) and WM (Waste Management) are the contracted haulers.

3. This table does not include some commercial non-compost food waste collection such as fats, oils and grease. This additional food waste is captured in our annual recycle survey and in our calculation of Seattle's overall recycling rate. Some Non Contract tons are reported quarterly.

4. North Recycle & Disposal Station closed on Jan 20, 2014 for a rebuild. Beginning Feb 2014 cars are weighed. Prior to this, car weights were calculated at 258lbs based on composition study results.

5. As of Jan 2015, organics, including food waste, compostable paper and yard waste are not allowed in the curbside garbage container.

City of Seattle Organics Customers by Customer Category

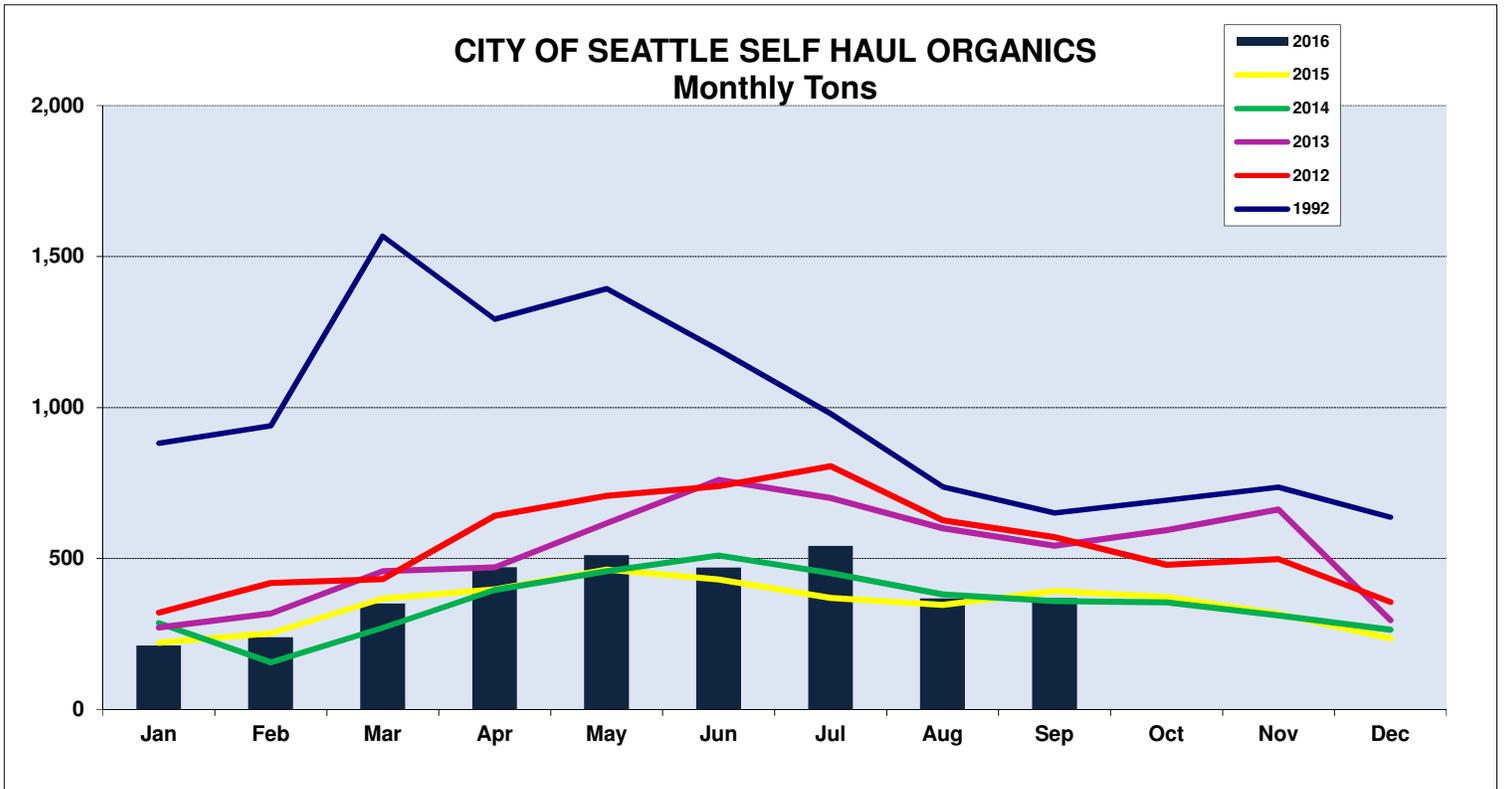
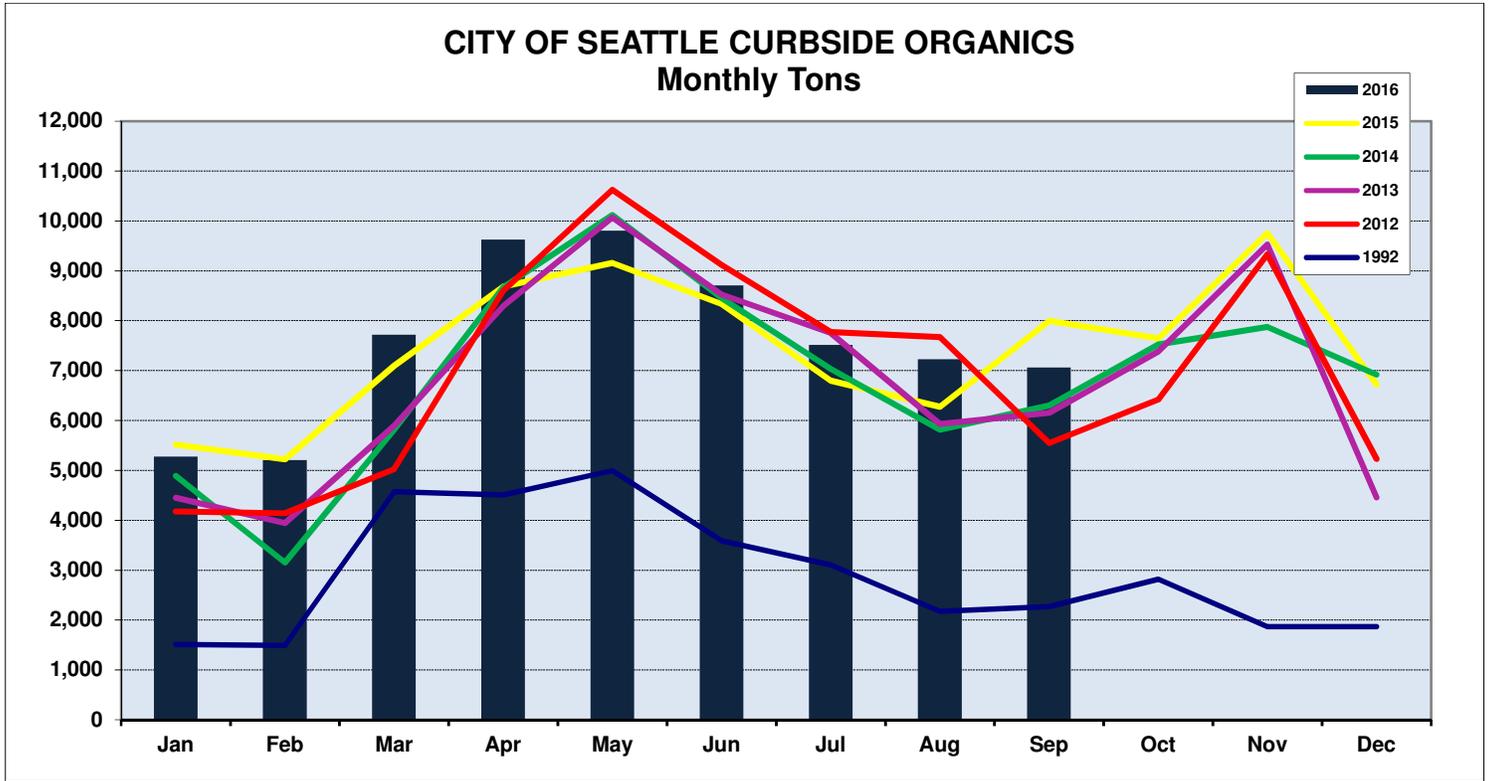
Date	Total Premises ¹		# of Premise Subscribers		Subscription Rate		Can Prems - % Organics Subscriptions by Type							Dumpster Prems - % Organics Subscriptions by Type				
	Can Garb Prem ²	Dumpster Garb Prem ³	Can Prem Signed Up	Multifamily Dumpster Prem Signed Up	Total Can Prem Sign Ups	Total Dumpster Prem Sign Ups	13 Gal	32 Gal	90 Gal	Curb Liner	Onsite ⁴ Liner	Exempt	Not Signed Up	Curb No Liner	Curb Liner	Onsite ⁴ Liner	Exempt	Not Signed Up
Jan-15	148,620	5,234	143,261	5,025	96.4%	96.0%	22.3%	11.7%	66.1%	0.3%	0.04%	3.6%	0.0%	32.6%	51.0%	18.6%	2.4%	1.5%
Feb-15	148,676	5,234	143,414	5,039	96.5%	96.3%	22.4%	11.8%	65.9%	0.3%	0.04%	3.6%	0.0%	32.0%	51.3%	18.9%	2.4%	1.4%
Mar-15	148,827	5,230	143,674	5,046	96.5%	96.5%	22.4%	12.0%	65.7%	0.3%	0.04%	3.5%	0.0%	31.5%	51.5%	19.2%	2.2%	1.3%
Apr-15	148,974	5,222	143,908	5,044	96.6%	96.6%	22.3%	12.2%	65.6%	0.3%	0.05%	3.4%	0.0%	31.1%	51.7%	19.4%	2.2%	1.2%
May-15	149,145	5,218	144,152	5,044	96.7%	96.7%	22.3%	12.4%	65.5%	0.3%	0.05%	3.4%	0.0%	30.9%	51.8%	19.5%	2.2%	1.1%
Jun-15	149,265	5,210	144,378	5,040	96.7%	96.7%	22.2%	12.5%	65.4%	0.3%	0.05%	3.4%	0.0%	30.7%	52.0%	19.6%	2.2%	1.1%
Jul-15	149,366	5,213	144,526	5,045	96.8%	96.8%	22.2%	12.7%	65.3%	0.3%	0.05%	3.3%	0.0%	30.4%	52.3%	19.6%	2.1%	1.1%
Aug-15	149,439	5,212	144,633	5,043	96.8%	96.8%	22.2%	12.8%	65.1%	0.3%	0.05%	3.3%	0.0%	30.2%	52.4%	19.7%	2.1%	1.1%
Sep-15	149,499	5,218	144,722	5,054	96.8%	96.9%	22.2%	12.9%	65.0%	0.3%	0.05%	3.3%	0.0%	30.0%	52.6%	19.7%	2.1%	1.0%
Oct-15	149,426	5,218	144,704	5,052	96.8%	96.8%	22.2%	13.0%	64.9%	0.3%	0.05%	3.2%	0.0%	29.7%	52.7%	19.9%	2.1%	1.1%
Nov-15	149,404	5,217	144,713	5,052	96.9%	96.8%	22.2%	13.1%	64.8%	0.3%	0.05%	3.2%	0.0%	29.5%	52.8%	19.9%	2.1%	1.1%
Dec-15	149,438	5,215	144,768	5,050	96.9%	96.8%	22.3%	13.2%	64.7%	0.3%	0.06%	3.2%	0.0%	29.3%	52.9%	20.0%	2.1%	1.1%
Jan-16	149,434	5,218	144,789	5,046	96.9%	96.7%	22.3%	13.3%	64.5%	0.3%	0.06%	3.2%	0.0%	29.2%	53.0%	20.1%	2.1%	1.2%
Feb-16	149,424	5,215	144,811	5,042	96.9%	96.7%	22.4%	13.3%	64.4%	0.3%	0.06%	3.2%	0.0%	29.1%	53.1%	20.1%	2.1%	1.3%
Mar-16	149,542	5,215	144,962	5,030	96.9%	96.5%	22.4%	13.5%	64.3%	0.3%	0.06%	3.1%	0.0%	28.9%	53.2%	20.1%	2.1%	1.5%
Apr-16	149,663	5,207	145,141	5,020	97.0%	96.4%	22.3%	13.6%	64.2%	0.3%	0.06%	3.1%	0.0%	28.7%	53.5%	20.1%	2.0%	1.6%
May-16	149,826	5,211	145,331	5,020	97.0%	96.3%	22.2%	13.7%	64.2%	0.3%	0.06%	3.1%	0.0%	28.5%	53.5%	20.2%	2.0%	1.6%
Jun-16	149,936	5,208	145,517	5,007	97.1%	96.1%	22.2%	13.7%	64.2%	0.3%	0.07%	3.1%	0.0%	28.3%	53.7%	20.4%	2.0%	1.9%
Jul-16	150,021	5,205	145,604	5,020	97.1%	96.4%	22.2%	13.8%	64.1%	0.3%	0.07%	3.0%	0.0%	27.9%	53.9%	20.4%	2.0%	1.6%
Aug-16	150,156	5,213	145,725	5,023	97.0%	96.4%	22.1%	14.0%	64.0%	0.3%	0.07%	3.0%	0.0%	27.7%	53.9%	20.6%	2.0%	1.7%
Sep-16	150,156	5,213	145,725	5,023	97.0%	96.4%	22.1%	14.0%	64.0%	0.3%	0.07%	3.0%	0.0%	27.7%	53.9%	20.6%	2.0%	1.7%
2016 Avg	149,795	5,212	145,289	5,026	97.0%	96.4%	22.3%	13.6%	64.2%	0.3%	0.06%	3.1%	0.0%	28.5%	53.5%	20.3%	2.0%	1.6%
2015 Avg	149,173	5,220	144,238	5,045	96.7%	96.6%	22.3%	12.5%	65.3%	0.3%	0.05%	3.4%	0.0%	30.7%	52.1%	19.5%	2.2%	1.2%
2014 Avg	148,383	5,219	142,329	5,010	95.9%	96.0%	21.5%	10.4%	64.1%	0.2%	0.04%	4.1%	0.0%	33.3%	47.3%	17.4%	2.6%	1.4%
2013 Avg	147,924	5,208	141,454	4,994	95.6%	95.9%	21.6%	9.4%	64.7%	0.2%	0.03%	4.3%	0.1%	37.2%	44.2%	16.7%	2.4%	1.7%
2012 Avg	147,191	5,214	139,501	4,936	94.8%	94.7%	21.3%	8.3%	65.3%	0.1%	0.02%	4.4%	0.8%	39.9%	41.4%	15.7%	2.3%	3.1%
2011 Avg	147,037	5,299	138,763	2,934	94.4%	55.4%	21.0%	7.2%	66.0%	0.1%	0.01%	4.6%	1.0%	40.0%	11.6%	4.9%	0.8%	43.8%
2010 Avg	146,677	5,369	137,139	2,349	93.5%	43.8%	20.5%	5.9%	66.9%			4.8%	2.3%	41.1%	1.9%	1.3%	0.3%	55.7%
2009 Avg	145,826	5,421	130,844	2,123	89.7%	39.2%	16.9%	1.0%	72.4%			1.9%	7.9%	40.6%	0.0%	0.5%	0.1%	59.0%

1. A Premise is essentially a structure - so a single family house would count as one premise, a tri-plex with 3 housing units counts as one premise and an apartment building with 25 housing units would also count as one premise

2. Can Garb Prem refers to customers that subscribe to can garbage service.

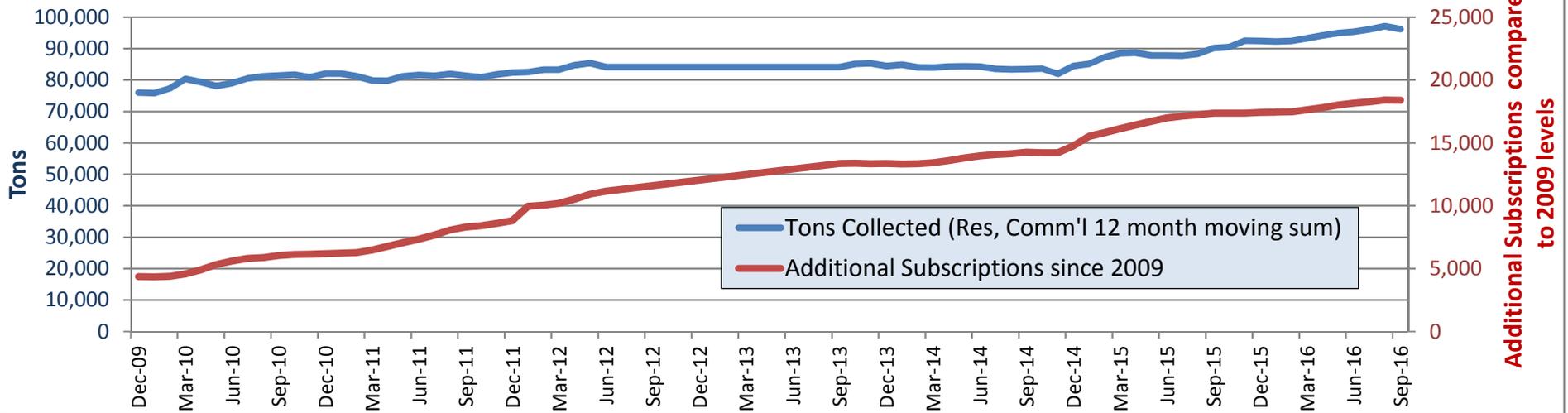
3. Dumpster Garb Prem refers to customers that subscribe to dumpster garbage service. Dumpster Prem are typically Apartment buildings.

4. Onsite customers do not need to move their container to the curb.



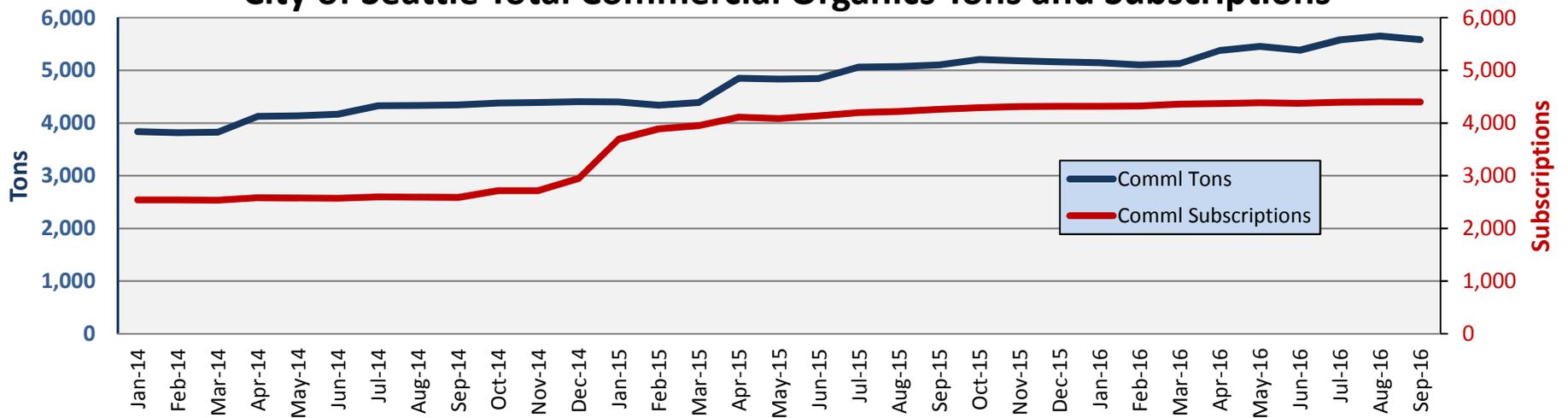
The North Transfer Station closed on Jan 20, 2014 for a rebuild.

CITY OF SEATTLE TOTAL CONTRACTED ORGANICS TONS COLLECTED COMPARED TO ADDITIONAL SUBSCRIPTION LEVELS SINCE 2009 ¹



1. In April 2009 subscription to organics service became mandatory for single family residents. In September 2011 mandatory subscription to organics service expanded to multi-family customers.
2. Drier and warmer than average weather since 2013 contributed to a drop in Organics tonnage. (see weather charts for more details)

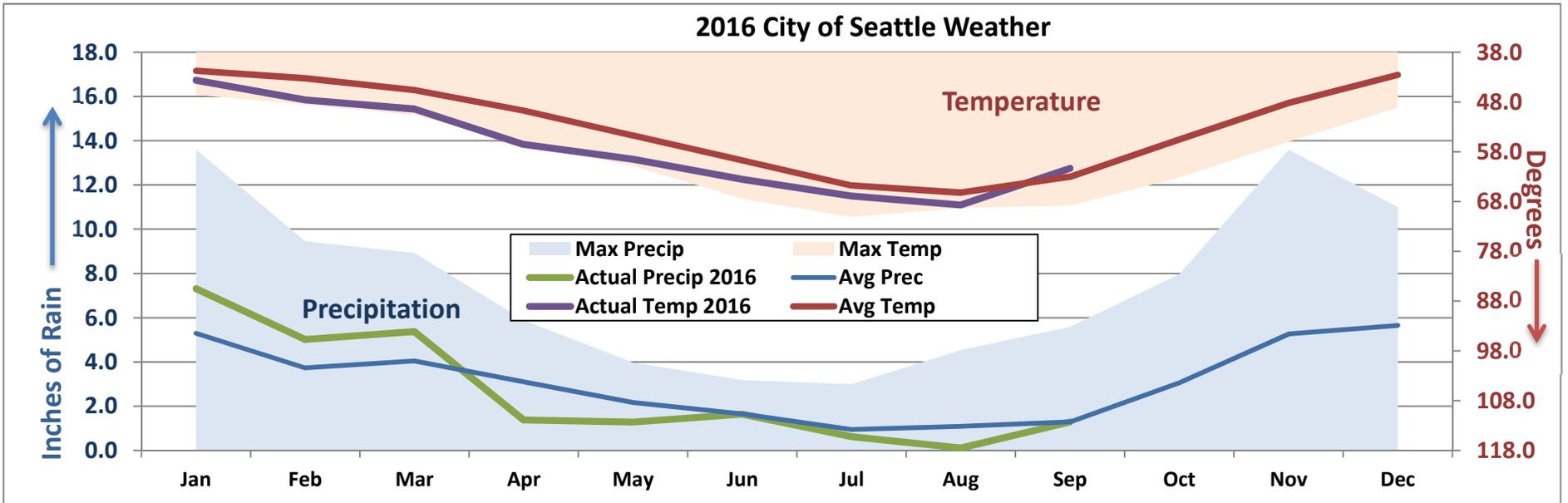
City of Seattle Total Commercial Organics Tons and Subscriptions



Non contract portion of commercial tons and subscriptions are reported quarterly.
 Ban on all Organics in the garbage began on January 1, 2015.

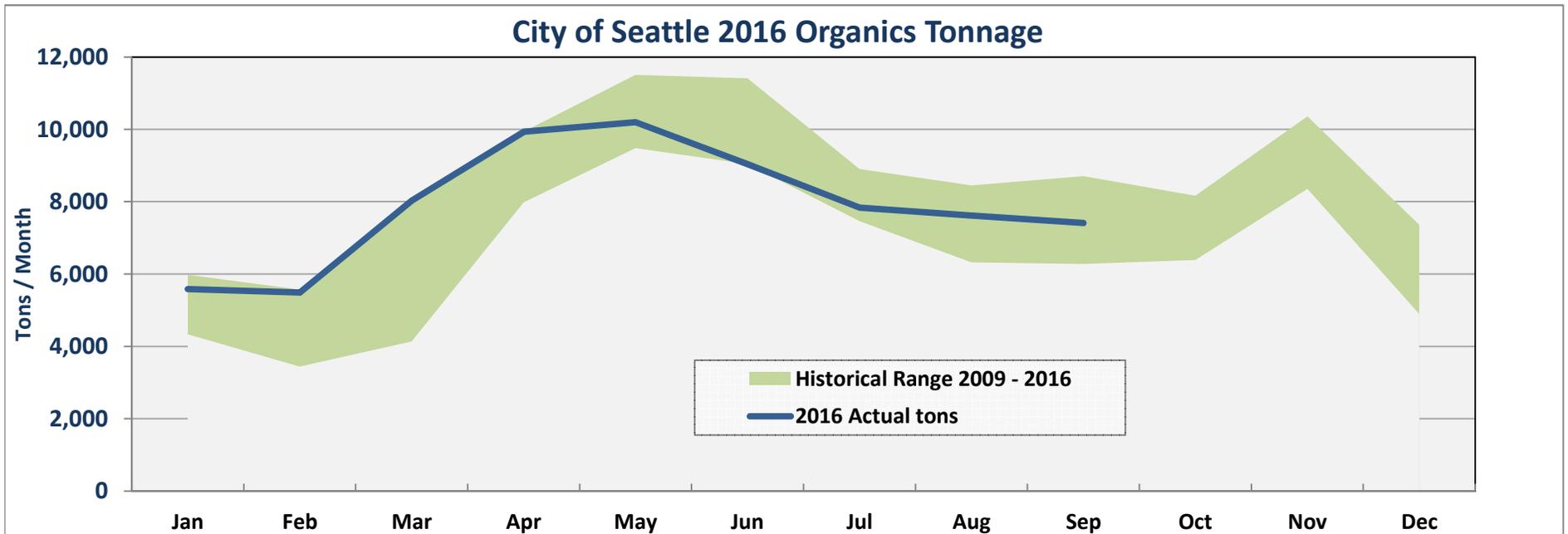
Weather Impacts on Organics Tonnage

2016 City of Seattle Weather



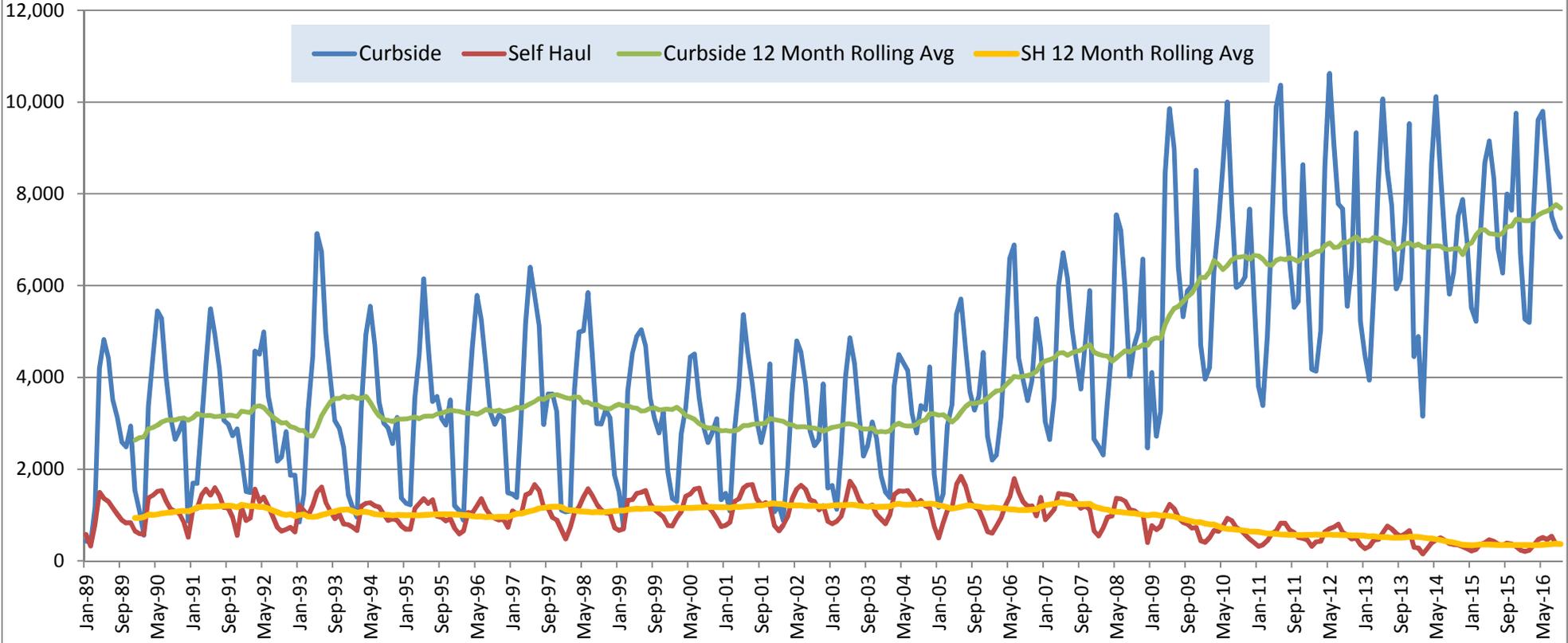
The blue and orange areas show the maximum and minimum precipitation and temperature ranges since 1977.

City of Seattle 2016 Organics Tonnage



The green area shows the minimum and maximum range of tonnage since 2009.

CITY OF SEATTLE RESIDENTIAL CURBSIDE AND SELF HAUL ORGANICS TONS



Some of the 2014 decline in SH tons can be attributed to the closing of The North Transfer Station on Jan 20, 2014 for a rebuild.