




# TOWN OF FAIRFAX

## STAFF REPORT

### December 7, 2016

**TO:** Mayor and Town Council

**FROM:** Michele Gardner, Town Clerk 

**SUBJECT:** Receive Marin Sanitary Services Third Quarterly Report (July-September 2016)

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#### RECOMMENDATION

Receive the report.

#### DISCUSSION

Attached is Marin Sanitary Services' Third Quarterly Report for the Council's review. The report covers the third quarter period from July through September 2016.

#### ATTACHMENT

Marin Sanitary Services Report

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# Town of Fairfax

Quarterly Report July-September, 2016

*Marin Sanitary Service*

CONSERVATION – OUR EARTH, OUR MISSION, OUR JOB



2016

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# Town of Fairfax

## Quarterly Report July-September, 2016

### Curbside Collection: Residential, Commercial & Multifamily

#### Residential Recycling Rates by Weight and by Volume

Tables 1 (Fairfax) and 2 (MSS Service Area) show the total gross available service volume in cubic yards. This is the cumulative amount of service subscribed to by Residential customers. Table 3 shows the actual tonnage collected and diverted for residential customers. Comparing Q3 2016 to Q3 2015, the volumetric recycling rate for the Town is higher (80%) than for Fairfax for all MSS Service Areas combined (78%). Furthermore, the overall recycling rate, by weight, has remained at 67% for both Q3 2016 and Q3 2015. However, less tonnage/material was sent to the landfill for Q3 2016 by volume and by weight.

TABLE 1: FAIRFAX RESIDENTIAL RECYCLING RATE BY VOLUMETRIC SERVICE LEVELS (CUBIC YARDS OF SERVICE)

Fairfax Residential Volumetric Recycling Rate (Cubic Yards)		
	Q3 2015	Q3 2016
Landfill	399	395
Recycle	817	799
Organics	799	796
<b>Recycling Rate</b>	<b>80%</b>	<b>80%</b>

TABLE 2: MSS SERVICE AREA RESIDENTIAL RECYCLING RATE BY VOLUMETRIC SERVICE LEVELS (CUBIC YARDS OF SERVICE)

MSS Residential Volumetric Recycling Rate (Cubic Yards)		
	Q3 2015	Q3 2016
Landfill	5639	5587
Recycle	9535	9600
Organics	9626	9647
<b>Recycling Rate</b>	<b>77%</b>	<b>78%</b>

TABLE 3: FAIRFAX RESIDENTIAL RECYCLING RATES BY WEIGHT (TONS)

	RESIDENTIAL	
	Q3 2015	Q3 2016
<b>Tons Collected:</b>		
Curbside Organics	335	341
Curbside Recycle	246	242
Transfer Station (Landfill)	288	286
Commercial Food Waste (F2E)	* N/A	* N/A
Commercial processed at Marin Resource Recovery Center (MRRC)	* N/A	* N/A
<b>Total Tons Collected</b>	<b>869</b>	<b>869</b>

\*Commercial organics is co-collected with residential organics. Tonnage is included with

Residential. F2E and Processed included in Commercial.

	RESIDENTIAL	
	Q3 2015	Q3 2016
<b>Tons Diverted:</b>		
Curbside Organics	335	341
Curbside Recycle	246	242
Commercial Food Waste (F2E)	* N/A	* N/A
Commercial recovered through MRRC	* N/A	* N/A
<b>Total Tons Recycled</b>	<b>581</b>	<b>583</b>
*Commercial organics is co-collected with residential organics. Tonnage is included with Residential. F2E and Processed included in Commercial.		
<b>Recycling Rate</b>	<b>66.85%</b>	<b>67.09%</b>
<b>Landfilled</b>	<b>288</b>	<b>286</b>

### Commercial and Multifamily Recycling Rates by Weight and by Volume

Tables 4 (Fairfax) and 5 (MSS Service Area) show the total gross available service volume in cubic yards. This is the cumulative amount of service subscribed to for Commercial and Multifamily customers. Table 6 shows the actual tonnage collected and diverted for commercial customers. The volumetric recycling rate increased from 52% in Q3 2015 to 54% in Q3 2016. It is also significantly higher than the entire MSS Service Area, which is 38% as of Q3 2016. However, the weight based recycling rate decreased from 33% in Q3 2015 to 32% in Q3 2016. More materials were sent to the landfill by weight and volume Q3 2016 compared to Q3 2015.

TABLE 4: FAIRFAX COMMERCIAL/MULTIFAMILY VOLUMETRIC SERVICE RECYCLING RATE (CUBIC YARDS OF SERVICE)

Fairfax Commercial Volumetric Recycling Rate (Cubic Yards)		
	Q3 2015	Q3 2016
<b>Landfill</b>	281	283
<b>Recycle</b>	281	296
<b>Organics</b>	26	34
<b>Recycling Rate</b>	<b>52%</b>	<b>54%</b>

TABLE 5: MSS SERVICE AREA COMMERCIAL/MULTIFAMILY VOLUMETRIC SERVICE RECYCLING RATE (CUBIC YARDS OF SERVICE)

MSS Service Areas Commercial/Multifamily Volumetric Recycling Rate (Cubic Yards)		
	Q3 2015	Q3 2016
<b>Landfill</b>	10939	10801
<b>Recycle</b>	5438	5837
<b>Organics</b>	534	682
<b>Recycling Rate</b>	<b>35%</b>	<b>38%</b>

TABLE 6: COMMERCIAL/MULTIFAMILY RECYCLING RATE BY WEIGHT (TONS)

	COMMERCIAL/MULTIFAMILY	
	Q3 2015	Q3 2016
<b>Tons Collected:</b>		
Curbside Organics	* N/A	* N/A
Curbside Recycle	94	95
Transfer Station (Landfill)	264	274
Commercial Food Waste (F2E)	14	15
Commercial processed at Marin Resource Recovery Center (MRRC)	33	26
<b>Total Tons Collected</b>	<b>405</b>	<b>410</b>

\*Commercial organics is co-collected with residential organics. Tonnage is included with Residential. F2E and Processed included in Commercial.

	COMMERCIAL/MULTIFAMILY	
	Q3 2015	Q3 2016
<b>Tons Diverted:</b>		
Curbside Organics	* N/A	* N/A
Curbside Recycle	94	95
Commercial Food Waste (F2E)	14	15
Commercial recovered through MRRC	25	20
<b>Total Tons Recycled</b>	<b>133</b>	<b>130</b>
*Commercial yard waste is co-collected with residential yard waste. Tonnage is included with Residential. F2E and Processed included in Commercial.		
<b>Recycling Rate</b>	<b>33%</b>	<b>32%</b>
<b>Landfilled</b>	<b>272</b>	<b>280</b>

### Total Fairfax (Residential, Commercial and Multifamily) Recycling Rates by Weight and Diversion Service Participation Rates

The third quarter comparison for tonnage (Table 7) shows a consistent overall recycling rate of 56%. Slightly more tonnage was sent to the landfill in Q3 2016.

TABLE 7: FAIRFAX OVERALL RECYCLING RATE BY WEIGHT (TONS) Q3 2015 COMPARED TO Q3 2016.

	TOTAL	
	Q3 2015	Q3 2016
<b>Tons Collected:</b>		
Curbside Organics	335	341
Curbside Recycle	340	337
Transfer Station (Landfill)	552	560
Commercial Food Waste (F2E)	14	15
Commercial processed at Marin Resource Recovery Center (MRRC)	33	26
<b>Total Tons Collected</b>	<b>1,274</b>	<b>1,279</b>

\*Commercial yard waste is co-collected with residential yard waste. Tonnage is included with Residential. F2E and Processed included in Commercial.

	TOTAL	
	Q3 2015	Q3 2016
<b>Tons Diverted:</b>		
Curbside Organics	335	341
Curbside Recycle	340	337
Commercial Food Waste (F2E)	14	15
Commercial recovered through MRRC	25	20
<b>Total Tons Recycled</b>	<b>714</b>	<b>713</b>
*Commercial yard waste is co-collected with residential yard waste. Tonnage is included with Residential. F2E and Processed included in Commercial.		
<b>Recycling Rate</b>	<b>56%</b>	<b>56%</b>
<b>Landfilled</b>	<b>560</b>	<b>566</b>

## Residential Service Levels

Table 8 details the Residential service levels and the percentage change from Q3 2015 to Q3 2016. The number of subscriptions to landfill carts of all sizes, except the 32-gallon cart, have increased. MSS continues to discourage the use of 96 gallon carts by customers. Households with infants/young children in diapers report the need for the 96-gallon landfill carts. These numbers are only for MSS supplied tipper carts and do not reflect customer owned cans or bags that contain extra garbage, yard waste and/or recycling.

TABLE 8: RESIDENTIAL CURBSIDE SUBSCRIPTIONS TO RECYCLING, ORGANICS & GARBAGE

Residential Weekly Garbage Service			
CART size	Q3 2015	Q3 2016	% Change
20 gallon	548	610	11%
32 gallon	1858	1768	-5%
64 gallon	147	153	4%
96 gallon	9	12	33%

## Multifamily Dwelling (MFD) Service Levels

Table 9 shows the overall service collections per week for all multifamily dwellings in the Town. This does not illustrate how many containers are in service but how many times a cart/bin is emptied each week. For instance, a customer may have one 32-gallon cart but it is emptied six days per week. This would count as six 32-gallon pick-ups. There has been no change in recycling services for this time period; however, there was a 10% increase in organics service. Landfill service decreased for the larger 96 gallon carts and there was a subsequent increase in smaller landfill carts.

TABLE 9: FAIRFAX CURBSIDE WEEKLY COLLECTIONS FOR RECYCLING, ORGANICS &amp; GARBAGE FOR MFDs

<b>FAIRFAX MULTIFAMILY DWELLING CONTAINERS</b>			
<b>MFD Weekly Garbage Service</b>			
CART size	Q3 2015	Q3 2016	% Change
32 gallon	139	153	10%
64 gallon	36	37	3%
96 gallon	23	22	-4%
1 yard	3	3	0%
2 yard	4	4	0%
3 yard	4	4	0%
4 yard	1	1	0%
<b>MFD Weekly Recycling Services</b>			
CART size	Q3 2015	Q3 2016	% Change
32 gallon	2	2	0%
64 gallon	209	209	0%
96 gallon	12	12	0%
Loose CB	1	1	0%
<b>MFD Weekly Compost</b>			
CART size	Q3 2015	Q3 2016	% Change
32 gallon	4	4	0%
64 gallon	31	34	10%
96 gallon	2	2	0%

## Commercial Service Levels

While there has been some change in subscription to the various size containers, overall landfill services remain relatively stable. The level of “diversion” services, however, continue to increase, as shown in Table 10. This is due to our partnership with Sustainable Fairfax and the enhanced commercial recycling service offerings and outreach & education by MSS. Since roll-off boxes and compactors are weighed individually, they are not covered in the overall service yardage report.

TABLE 10: CURBSIDE WEEKLY COLLECTIONS FOR RECYCLING, ORGANICS &amp; GARBAGE FOR COMMERCIAL BUSINESSES

<b>FAIRFAX COMMERCIAL CONTAINERS</b>			
<b>Commercial Weekly Garbage Service</b>			
CART size	Q3 2015	Q3 2016	% Change
32 gallon	62	61	-2%
64 gallon	24	23	-4%
96 gallon	9	9	0%
1 yard	8	8	0%
2 yard	13	13	0%
3 yard	14	17	21%
4 yard	2	2	0%
6 yard	1	0	-100%

Commercial Weekly Recycling Services			
CART size	Q3 2015	Q3 2016	% Change
5 gallon	3	2	-33%
32 gallon	27	35	30%
64 gallon	201	212	5%
96 gallon	15	16	7%
1 yard CB	6	4	-33%
2 yard CB	20	21	5%
Commercial Weekly Compost			
CART size	Q3 2015	Q3 2016	% Change
32 gallon	2	3	50%
64 gallon	32	46	44%
Commercial Food 2 Energy			
CART size	Q3 2015	Q3 2016	% Change
32 F2E	5	9	80%
64 F2E	3	5	67%

## Mandatory Commercial Recycling Compliance

MSS is working with the Town and Sustainable Fairfax to implement recycling and/or organic services at all Commercial and Multifamily Dwellings per the Town's Mandatory Commercial Recycling Ordinance, [8.08.130](#). Currently, all multifamily and commercial businesses are compliant with the Town's recycling ordinance, as outlined in Table 11. Thirty-five (35) commercial businesses are enrolled in an organics recycling program: 23 (4 schools, 3 churches, 15 businesses, and the Town Corp yard) are enrolled in the commercial compost program and 12 restaurants are enrolled in the commercial food to energy program, which are listed in Table 12. All Multifamily Dwellings (residences with 4 or more units) have recycling and 20 have organics composting service.

TABLE 11 COMPLIANCE: COMMERCIAL BUSINESSES AND APARTMENTS

Customer Type	Required and NOT compliant	Required and compliant	Grand Total
Multifamily Dwelling	0	26	26
Commercial Business	0	96	96
Total	0	119	122

TABLE 12: F2E PARTICIPANTS

1	Mana Bowls	7	Red Boy Pizza
2	Perry's Deli	8	The Coffee Roastery
3	Café Lotus	9	Taste Kitchen and Table
4	Miyoko's Kitchen	10	The Hummingbird
5	Sorella Café	11	Barefoot Café
6	Grilly's Restaurant	12	Fairfax Market



## Market Values of Materials Diverted

Salvage prices have increased for the third quarter of 2016. Tables 13 and Figures 1 and 2 show the comparison for the same time period in 2015 and 2016. There continues to be no markets for the #3-7 plastics.

TABLE 13: AVERAGE MARKET PER TON VALUE OF CURBSIDE ALUMINUM AND GLASS Q3 2015 AND Q3 2016

COMMODITY	Q3 2015	Q3 2016
ALUMINUM	\$1,126.00	\$1,100.00
GLASS	\$19.00	\$18.00

FIGURE 1 AVERAGE MARKET PER TON VALUE OF CURBSIDE PLASTICS Q3 2015 AND Q3 2016

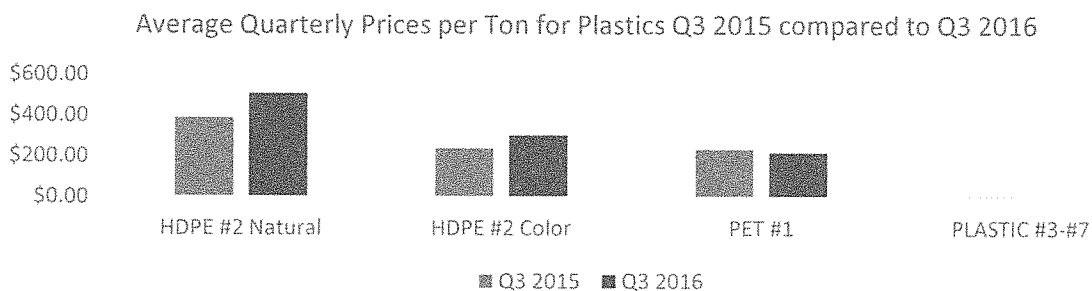
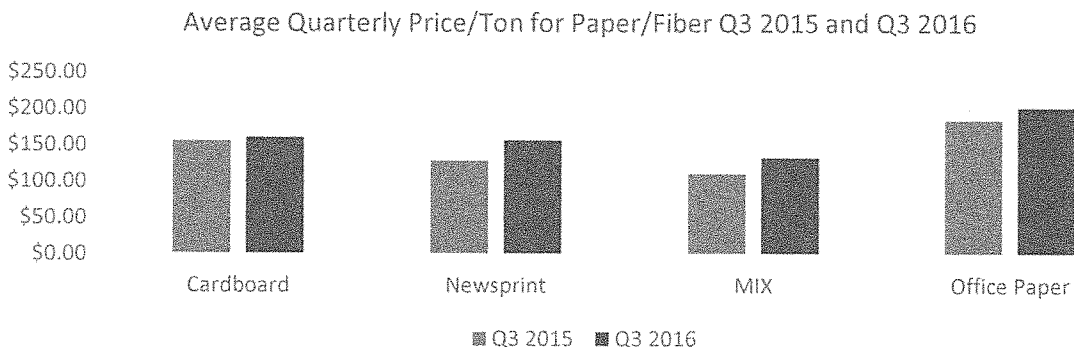


FIGURE 2 AVERAGE MARKET VALUE PER TON OF CURBSIDE PAPER/FIBER Q3 2015 AND Q3 2016



## Household Hazardous Waste (HHW)

Table 14 compares participation in the HHW program by customer type for Q3 2015 and Q3 2016. Due to poor participation in the Residential curbside HHW collection program, this program was discontinued as of July 1, 2016.

TABLE 14 HHW PARTICIPANTS BY CUSTOMER MONTH

	Q3 2015	Q3 2016
CUSTOMER TYPE	PARTICIPANTS	PARTICIPANTS
RESIDENTIAL	389	354
CESQG	3	4
RESIDENTIAL CURBSIDE COLLECTION (RCC)	2	0

## Customer Service

It has come to the attention of MSS that the total number of calls reported in previous reports has been incorrect. The phone system MSS uses cannot differentiate the origin of calls from the various service areas. The numbers previously reported as calls were actually codes for all activities documented by MSS customer service staff. For example, a customer may call to inquire about a service day, change a service, pay a bill, etc. Each of these activities is coded separately in our database for internal and external reporting, but were recorded as calls in preceding reports. We are refining how this data is collected and reported and will come to the Town with some newly proposed reporting metrics in early 2017. There were significantly fewer reports for missed collections, as illustrated in Table 15.

TABLE 15: CUSTOMER CALL LOG

Calls	Q3 2015	Q3 2016
Calls for Missed Pick Ups	147	58
Calls for Cart Repair/Replacement	55	82

## Zero Waste Events

### Fairfax Chipper Days, 2016

Marin Sanitary Service partnered with the Town of Fairfax and the Ross Valley Fire Department on the 5<sup>th</sup> Annual Chipper Days events. Town residents were allowed to drop off brush at several locations around the Town in the months of August and September. At the request of the Town, an additional collection day was added in October. Though this is technically Q4 tonnage, it is reported with the Q3 data for program comparison. The intent of these chipper days is to remove vegetation "fuel" to reduce wildfire hazards near homes in Fairfax. The tonnage for 2015 was less than other years and is consistent with an overall tonnage decrease in organics in Q3 throughout the entire service area.

TABLE 16: TAKE BACK DAY DIVERSION RATES 2013-2016

