



TOWN OF FAIRFAX
STAFF REPORT
March 1, 2017

TO: Mayor and Town Council

FROM: Michele Gardner, Town Clerk GK

SUBJECT: Acceptance of Marin Sanitary Service Fourth Quarterly Report (October-December 2016)

RECOMMENDATION

Accept the report.

DISCUSSION

Attached is the Fourth Quarterly from Marin Sanitary Service for the Council's review and acceptance. The report covers the fourth quarter period from October through December 2016. MSS anticipates submitting its Annual Report for 2016 to the Council in time for the April meeting.

ATTACHMENT

Marin Sanitary Service Fourth Quarterly Report

Town of Fairfax

Quarterly Report October-December, 2016

Marin Sanitary Service

CONSERVATION - OUR EARTH, OUR MISSION, OUR JOB



2016

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Town of Fairfax

Quarterly Report October-December, 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 Q4 2015 to Q4 2016, the volumetric recycling rate for the Town is higher (80%) than other MSS Service Areas combined (78%). However, the overall recycling rate, by weight, has declined 2% (from 70% to 68%) between these two periods due to an increase in landfill tonnage in Q4 2016.

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

Fairfax Residential Volumetric Recycling Rate (Cubic Yards)		
Material	Q4 2015	Q4 2016
Landfill	397	394
Recycle	817	800
Organics	798	796
Recycling Rate	80%	80%

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

MSS Residential Volumetric Recycling Rate (Cubic Yards)		
Material	Q4 2015	Q4 2016
Landfill	5615	5583
Recycle	9535	9631
Organics	9596	9646
Recycling Rate	77%	78%

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

	RESIDENTIAL	
	Q4 2015	Q4 2016
Tons Collected:		
Curbside Organics	404	399
Curbside Recycle	259	269
Transfer Station (Landfill)	284	309
Commercial Food Waste (F2E)	* N/A	* N/A
Commercial processed at Marin Resource Recovery Center (MRRC)	* N/A	* N/A
Total Tons Collected	947	977

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

	RESIDENTIAL	
	Q4 2015	Q4 2016
Tons Diverted:		
Curbside Organics	404	399
Curbside Recycle	259	269
Commercial Food Waste (F2E)	* N/A	* N/A
Commercial recovered through MRRC	* N/A	* N/A
Total Tons Recycled	663	668
*Commercial organics is co-collected with residential organics. Tonnage is included with Residential. F2E and Processed included in Commercial.		
Recycling Rate	70%	68%
Landfilled	284	309

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 Q4 2015 to 54% in Q4 2016. It is also significantly higher than the entire MSS Service Area, which is 39% as of Q4 2016. Furthermore, the weight based recycling rate increased 1% in Q4 2016 due to the increase in divertible materials being source separated.

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

Fairfax Commercial Volumetric Recycling Rate (Cubic Yards)		
	Q4 2015	Q4 2016
Landfill	281	283
Recycle	280	291
Organics	29	37
Recycling Rate	52%	54%

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)		
	Q4 2015	Q4 2016
Landfill	10499	10740
Recycle	5447	6021
Organics	453	719
Recycling Rate	36%	39%

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

	COMMERCIAL/MULTIFAMILY	
	Q4 2015	Q4 2016
Tons Collected:		
Curbside Organics	* N/A	* N/A
Curbside Recycle	102	103
Transfer Station (Landfill)	264	282
Commercial Food Waste (F2E)	18	25
Commercial processed at Marin Resource Recovery Center (MRRC)	74	82
Total Tons Collected	458	493

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

	COMMERCIAL/MULTIFAMILY	
	Q4 2015	Q4 2016
Tons Diverted:		
Curbside Organics	* N/A	* N/A
Curbside Recycle	102	103
Commercial Food Waste (F2E)	18	25
Commercial recovered through MRRC	56	62
Total Tons Recycled	176	190

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

Recycling Rate	38%	39%
Landfilled	282	302

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

The fourth quarter comparison for tonnage (Table 7) shows a decrease in the recycling rate of 2%. Slightly more tonnage was collected and sent to the landfill in Q4 2016.

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

	TOTAL	
	Q4 2015	Q4 2016
Tons Collected:		
Curbside Organics	404	399
Curbside Recycle	361	372
Transfer Station (Landfill)	548	591
Commercial Food Waste (F2E)	18	25
Commercial processed at Marin Resource Recovery Center (MRRC)	74	82
Total Tons Collected	1,405	1,470

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

	TOTAL	
	Q4 2015	Q4 2016
Tons Diverted:		
Curbside Organics	404	399
Curbside Recycle	361	372
Commercial Food Waste (F2E)	18	25
Commercial recovered through MRRC	74	62
Total Tons Recycled	839	858
*Commercial yard waste is co-collected with residential yard waste. Tonnage is included with Residential. F2E and Processed included in Commercial.		
Recycling Rate	60%	58%
Landfilled	566	611

Residential Service Levels

Table 8 details the Residential service levels and the percentage change from Q4 2015 to Q4 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. There was a significant increase in subscriptions to 96-gallon recycling carts and 32 gallon organics carts primarily due to promotion of these cart sizes.

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

Residential Weekly Garbage Service			
CART size	Q4 2015	Q4 2016	% Change
20 gallon	579	612	6%
32 gallon	1,823	1,761	-3%
64 gallon	146	153	5%
96 gallon	9	13	44%
Residential Weekly Recycling Services			
CART size	Q4 2015	Q4 2016	% Change
5 gallon	60	51	-15%
32 gallon	1	1	0%
64 gallon	2,485	2,485	-3%
96 gallon	59	81	37%
Residential Weekly Compost			
CART size	Q4 2015	Q4 2016	% Change
32 gallon	43	69	60%
64 gallon	2,433	2,425	-0%
96 gallon	43	35	-19%

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 & GARBAGE FOR MFDs

FAIRFAX MULTIFAMILY DWELLING CONTAINERS			
MFD Weekly Garbage Service			
CART size	Q4 2015	Q4 2016	% Change
32 gallon	152	153	1%
64 gallon	38	39	3%
96 gallon	39	38	-3%
1 yard	3	3	0%
2 yard	8	8	0%
3 yard	7	7	0%
4 yard	1	1	0%
MFD Weekly Recycling Services			
CART size	Q4 2015	Q4 2016	% Change
32 gallon	2	2	0%
64 gallon	219	222	0%
96 gallon	12	12	0%
Loose CB	2	2	0%
MFD Weekly Compost			
CART size	Q4 2015	Q4 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 & GARBAGE FOR COMMERCIAL BUSINESSES

FAIRFAX COMMERCIAL CONTAINERS			
Commercial Weekly Garbage Service			
CART size	Q4 2015	Q4 2016	% Change
32 gallon	58	61	-2%
64 gallon	26	23	-8%
96 gallon	11	9	-18%
1 yard	7	8	14%
2 yard	14	13	-7%
3 yard	14	17	14%
4 yard	2	3	50%
6 yard	1	0	-100%
Commercial Weekly Recycling Services			
CART size	Q4 2015	Q4 2016	% Change
5 gallon	3	2	-33%
32 gallon	28	34	21%
64 gallon	204	214	5%
96 gallon	15	16	7%
1 yard CB	6	4	-33%
2 yard CB	19	21	11%
Commercial Weekly Compost			
CART size	Q4 2015	Q4 2016	% Change
32 gallon	2	2	0%
64 gallon	37	46	24%
Commercial Food 2 Energy			
CART size	Q4 2015	Q4 2016	% Change
32 F2E	5	9	80%
64 F2E	5	8	60%

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 well as State Law AB 341, as outlined in Table 11. Thirty-six (36) 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 13 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 17 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	100	100
Total	0	119	122

TABLE 12: F2E PARTICIPANTS

1	Mana Bowls	8	The Coffee Roastery
2	Perry's Deli	9	Taste Kitchen and Table
3	Café Lotus	10	The Hummingbird
4	Miyoko's Kitchen	11	Barefoot Café
5	Sorella Café	12	Fairfax Market
6	Grilly's Restaurant	13	Tamal
7	Red Boy Pizza		

Market Values of Materials Diverted

Tables 13 and Figures 1 and 2 show the comparison for the same time period in 2015 and 2016 for container salvage prices. Glass, Aluminum, and bottle shaped PET (#1) and HDPE (#2) plastic resins remain stable. The markets for #3-7 mixed rigid plastics; however, remains volatile. For Q4 2016, we were able to sell these materials at \$5.00 per ton. Salvage prices for fiber on the other hand, have increased for the fourth quarter of 2016.

TABLE 13: AVERAGE MARKET PER TON VALUE OF CURBSIDE ALUMINUM AND GLASS Q4 2015 AND Q4 2016

COMMODITY	Q4 2015	Q4 2016
ALUMINUM	\$1,065.00	\$1,193.00
GLASS	\$18.00	\$19.00

FIGURE 1 AVERAGE MARKET PER TON VALUE OF CURBSIDE PLASTICS Q4 2015 AND Q4 2016

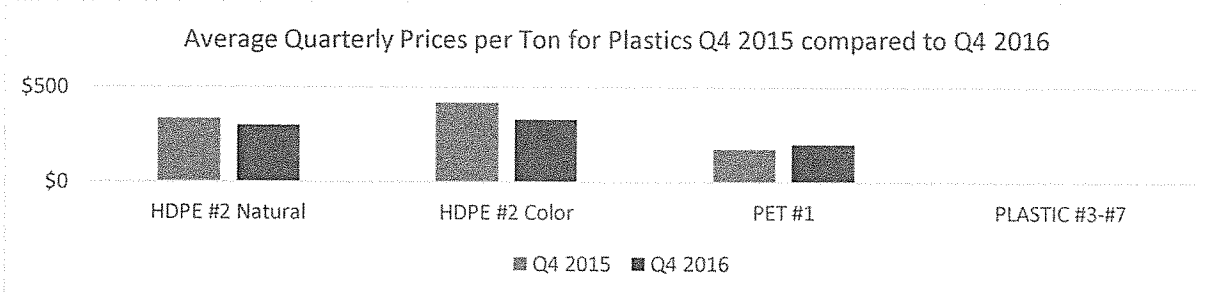
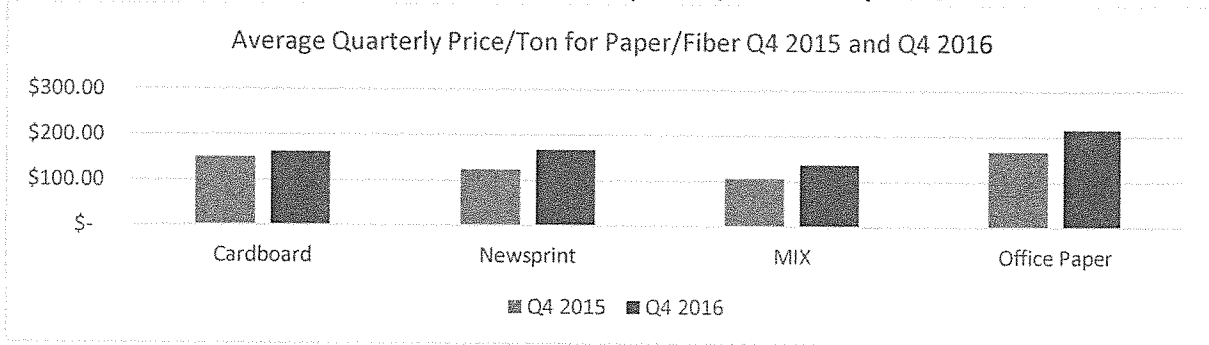


FIGURE 2 AVERAGE MARKET VALUE PER TON OF CURBSIDE PAPER/FIBER Q4 2015 AND Q4 2016



Household Hazardous Waste (HHW)

Table 14 compares participation in the HHW program by customer type for Q4 2015 and Q4 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

	Q4 2015	Q4 2016
CUSTOMER TYPE	PARTICIPANTS	PARTICIPANTS
RESIDENTIAL	335	330
CONDITIONAL EXEMPT SMALL QUANTITY GENERATORS (CESQG)	4	6
RESIDENTIAL CURBSIDE COLLECTION (RCC)	1	0

Customer Service

It has come to the attention of MSS that the total number of calls reported from Fairfax 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	Q4 2015	Q4 2016
Calls for Missed Pick Ups	145	52
Calls for Cart Repair/Replacement	66	78