

# TOWN OF WELLFLEET

300 MAIN STREET WELLFLEET MASSACHUSETTS 02667 Tel (508) 349-0300 Fax (508) 349-0305 www.wellfleetma.org

To: Board of Selectmen, Board of Health

From: Harry Sarkis Terkanian, Town Administrator

Subject: Twelve Month Review of Save Money and Reduce Trash ("SMART")

Date: April 28, 2015

Executive Summary - The first year of program operation continue to show significant reductions in the amount of solid waste processed and in the increase in the amount of recyclable materials processed. During the first year 19,800 five bag packages of SMART bags were delivered to retailers. The Town also purchased 200 packages which were used during transition to the program as well as for distribution to persons qualifying for assistance and to ease retailer shortages. Town receipts for bag sales for the period, net of bag manufacturing and processing costs, totaled \$99,045.

Part of the program included reducing the price of residential transfer station permits from \$55 to \$40 in fiscal 2014 and then from \$40 to \$25 for fiscal 2015. The result of the permit fee decrease was to reduce residential permit cost in for FY 2014 from the FY 2013 cost by \$33,085 and in 2015 from the FY 2013 total by \$68,455. As the number of residential permits has remained essentially constant, this reduction in permit charges to residents is due entirely to the fee reductions in FY 2014 and 2015.

Large commercial vehicle permits decreased from 9 in FY 2014 to 3 in FY 2015 indicating that some commercial haulers may be delivering trash elsewhere.

The amount of municipal solid waste ("MSW") handled through the transfer station decreased by 708.96 tons, representing a 35.54%. The amount of recyclable materials handled through the transfer station increased by 171.5 tons, representing a 39.92% increase.

The cost of disposing of MSW, estimated at \$45.50 per ton (\$18.50 tipping fee plus an estimated \$27 hauling cost), decreased by an estimated \$32,257.68. This decrease is due to the reduced amount of MSW. This cost savings was partially offset by the cost of the bag program which was \$20,159.44 for the period (approximately 20.3 cents per bag.) In September, 2016 the Town's tipping fee will increase from \$18.50 to \$55 making continued reduction in MSW even more important

### Background - Program Description

See the October 28, 2014 nine month comparison report<sup>1</sup>. http://www.wellfleetma.gov/sites/wellfleetma/files/file/nine\_month\_smart\_analysis\_dec\_2013\_to\_aug\_2014\_with\_exhibits\_-\_revised.pdf

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<sup>&</sup>lt;sup>1</sup> See the board of health regulations for rules governing commercial hauler and single bag fees. http://www.wellfleet-ma.gov/sites/wellfleetma/files/file/file/boh\_regs\_2014\_2014-05-06\_1.pdf

#### Background – Statutory Basis

See the March 13, 2014 three month comparison report. http://www.wellfleetma.gov/sites/wellfleetma/files/file/file/three\_month\_smart\_analysis\_dec\_2013\_to\_feb\_2014\_-\_2014-03-22.pdf

#### <u>Background – Transfer Station Fees</u>

See the October 28, 2014 nine month comparison report. http://www.wellfleetma.gov/sites/wellfleetma/files/file/nine\_month\_smart\_analysis\_dec\_2013\_to\_aug\_2014\_with\_exhibits\_-\_revised.pdf

#### Twelve Month Data

Exhibit A is the raw transfer station data for the period December 1, 2013 through November 30, 2014 and, for comparison purposes, from the corresponding period one year earlier. (Exhibit A-1 is the recycling data and Exhibit A-2 is the MSW data.) Exhibit B is a chart showing the monthly average MSW tonnage for the first year of the program as compared with the average for the corresponding months of the previous three years. Against the three year average a reduction in MSW is clearly apparent.

This is the first reporting period which covers a twelve month period. All twelve months show MSW tonnage less than the three year average for the corresponding month.

<u>SMART Bag Sales</u>. Bag deliveries to retailers for the twelve months beginning December 1, 2013 total 493 cases (98,600 bags – 19,720 five bag packages). The breakdown by month, bag size cost and receipts is detailed on Exhibit C. Town gross receipts from bag sales for the twelve month period totaled \$119,200. Net receipts after bag program costs were \$99,045. See Exhibit C.

Transfer Station Permits Sold. There has been almost no change in the number of transfer station permits sold. In analyzing this data I have looked at the figures for the period from June through October for 2013 and 2014. After October sales drop off sharply. Between the beginning of November, 2013 and the end of May, 2014 17 residential first vehicle permits were sold, no additional second or third residential permits were sold and only one small vehicle commercial permit was sold. So I consider June through October to be representative of an entire 12 month period. In 2013 2,470 residential first vehicles permits were sold compared with 2,485 for the same period in 2014. This represents an increase in the number sold of less than 1% Second residential vehicle sticker sales for 2013 were 799 and for 2014 were 844; showing an increase over the previous year. Third vehicle residential sticker sales in 2013 were zero. 29 were sold in 2014.

Revenue from residential stickers reflected the price decrease from \$40 to \$25. During 2013 first vehicle revenue was \$98,960 compared with 2014 revenue of \$62,125, a decrease of \$36,835. The net change in revenue considering all types of residential stickers was a decrease of \$35,370 in 2014 over 2013. When measured against the original \$55 sticker cost, the \$30 decrease in fees charged for transfer station permits represents approximately \$68,455 in cost avoidance for residential sticker purchasers during fiscal 2014.

ma.gov/sites/wellfleetma/files/file/file/three\_month\_smart\_analysis\_dec\_2013\_to\_feb\_2014\_-\_2014-03-22.pdf

<sup>&</sup>lt;sup>2</sup> http://www.wellfleet-

Small vehicle commercial permits sold in 2013 totaled 66 and in 2014 total 67 to date. The price of this type of sticker did not change so the net revenue increase for this type of sticker was \$65.

Large vehicle commercial permits decreased from 9 sole in 2013 to 3 sold in 2014 with a corresponding decrease in revenue of \$505.

Overall, revenue from transfer station permits decreased \$35,875 from 2013 to 2014. See Exhibit D.

<u>Recyclable Materials</u>. Recyclable tonnage during December, 2013 through November 2014 totaled 601.12 tons compared with the same pre program period recycled tonnage of 429.62<sup>3</sup> tons. This is a 12 month increase of 40% <sup>4</sup>. A clear effect of the program has been to increase the amount of material recycled.

Overall Transfer Station Tonnage. Even with the increase in recycling tonnage processed, the overall tonnage processed through the Transfer Station has been reduced. During the first three months there was a net decrease of 25.1%, 126.42 tons<sup>5</sup>. During the first six months the overall decrease was 24%, 134.49 tons. During nine month program period the overall decrease was 25%, 370.12 tons. For the full twelve months the overall decrease was 18.5%, 448.36 tons. Possible causes for the reduction in total tonnage could include: 1) commercial haulers deciding to dispose of trash at other locations such as the SEMASS transfer station at Yarmouth as evidenced by the drop in large commercial permits from 9 to 3; 2) increases in disposal at home through composting, etc.; 3) possibly other as yet unidentified reasons. This decrease is significant.

<u>Bag Sales Receipts</u>. Revenue from bag sales is a "trailing" figure. This is because the bag vendor, WasteZero, invoices retailers on a net 45 days basis and then, after receipt of retailer payments, accounts to and remits to the Town. There can be a delay of 60 days or more between a bag shipment to a retailer and the corresponding receipt by the Town. The cost of manufacturing and shipping bags and handling invoicing collection and remittance of proceeds is done by WasteZero under contract to the Town. For the 493 cases delivered the cost of WasteZero's services totaled \$20,159.44, about 20.3 cents per bag<sup>6</sup>.

<u>Changes in the Cost of Handling Recyclable Materials</u>. Another factor clouding the analysis is the fact that in December, 2013 the Town's recycling contractor imposed a \$40 per ton charge for providing containers and transporting recyclables and is no longer furnishing recycling containers. Theretofore they had provided these services without charge, relying on the revenue generated by processing and selling the recyclables picked up from Wellfleet. When the DPW is unable to locate a market for these materials they now have to haul them to facilities which will accept them with either a nominal or, in many cases, with no payment

<sup>&</sup>lt;sup>3</sup> Corrected from 492.62 in the original.

<sup>&</sup>lt;sup>4</sup> Corrected from "nine month increase of 22%" in the original.

<sup>&</sup>lt;sup>5</sup> Other Massachusetts communities have seen similar reductions in trash tonnage and operating costs. Cohasset: 25% reduction, first year savings of \$100,000. Duxbury: 48% reduction and \$240,000 annual savings. Sandwich: 42% reduction and \$120,000 first year savings. Wrentham: 33% reduction. Attleboro 43% reduction. Dartmouth: 51% reduction. The latter three communities have curbside pickup. Plymouth: 42% reduction. Data from March 1, 2014 SMART Workshop slides.

<sup>&</sup>lt;sup>6</sup> Cost per case for the WasteZero services are \$46.87 for large bags, \$37.05 for medium bags and \$31.38 for small bags. There are 200 bags in a case.

to the Town. We have also had to replace the recycling containers withdrawn by contractors and increased the number of containers to meet the increased volume. The same change in charging has been experienced by other Cape towns. The DPW continues to explore other outlets for these materials. In some cases the DPW is using its own staff and equipment, and therefore bearing the cost, to haul plastic, glass and tin to recycling centers. It is important to note, that even if the Town bears the cost of storing and then transporting recyclables, there is no tipping fee for recyclables, so any shift from MSW to recyclables represents a savings.

#### Conclusions

With all of these caveats in mind, some conclusions can still be drawn:

- The change in the ratio of recyclables to MSW and the reduction in MSW tonnage are consistent with those observed in other towns who have recently adopted SMART programs. SMART programs do increase recycling and do decrease MSW volumes.
- The reduction in the cost of a residential first vehicle transfer station sticker from \$55 to \$40 in fiscal 2014 resulted in a reduction in transfer station sticker fees paid by Wellfleet residents of \$33,085. A further reduction in cost to residents about \$35,370 was realized with the change in first vehicle residential permit fees from \$40 to \$25 in fiscal 2015 so the total reduction in FY 2015 fees compared with the pre program fees in FY 2013 is \$68,455.
- The 708.96 ton reduction in MSW delivered to SEMASS for the first year of the program resulted in a reduction in tipping fees of 13,115.76 (at \$18.50 per ton.) The town also saved an estimated \$19,141.92 in transportation costs (estimated at \$27 per ton.) These two items total \$32,257.68.

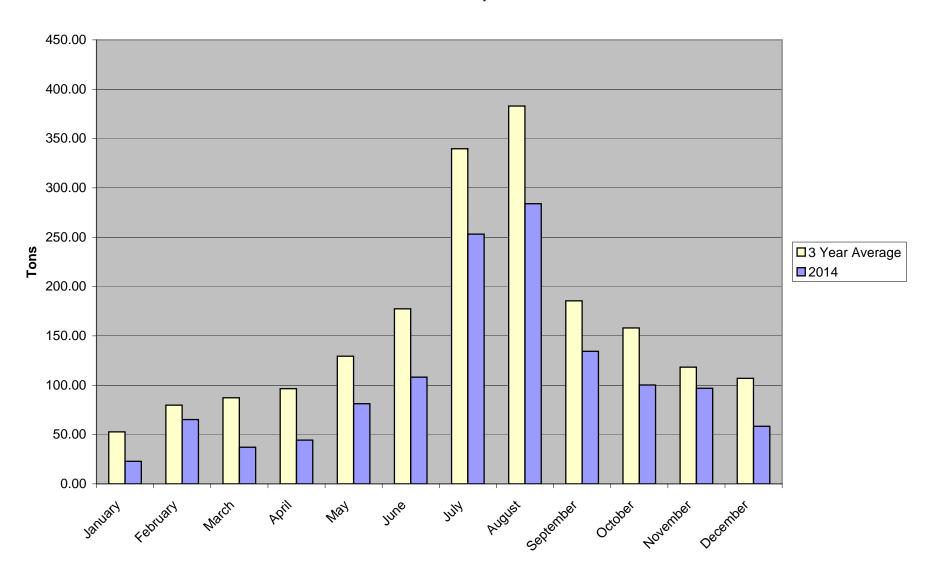
<sup>&</sup>lt;sup>7</sup> When the current MSW contract with Covanta expires tipping fees under the new contract with ABC Disposal will be \$55.00 per ton. The cost avoidance on the 708.96 ton reduction would then be a \$38992.80 reduction in tipping fees and the same \$19,141,92 estimated savings in transportation costs (disregarding any future increase in personnel costs, fuel, etc.) for a total of \$58,134,72.

Recycling	l	Plastic & Tin	Newspaper & Cardboard	Glass			Recycling	)	Plastic & Tin	Newspaper & Cardboard	Glass		
Dec '12	12/11	0.00	10.16	0.00			Dec '13	12/13	4.36	0.00	0.00		
	12/14	1.53	0.00	18.78	Month's Total	Running Total		12/17 12/31	0.00 0.00	12.36 12.99	0.00	Month's Total	Running Total
·	Totals	1.53	10.16	18.78	30.47	30.47		Totals		25.35	12.99	42.70	42.70
Jan '13	1/8	0.00	10.49	0.00			Jan '14	1/10	0.00	4.01	18.76		
	1/15	2.04	5.14	0.00				1/21	1.45	5.19	0.00		
	Totals	2.04	15.63	0.00	Month's Total	Running Total 48.14		1/31 Totals	2.72 4.17	5.22 14.42	0.00 18.76	Month's Total 37.35	Running Total 80.05
	Totals	2.04	10.00	0.00	17.07	40.14		Totals	4.17	14.42	10.70	37.33	80.03
Feb '13	2/26	2.37	4.87	0.00			Feb '14	2/7	2.40	3.08	0.00		
	<del></del>	0.07	4.07	0.00		Running Total		2/19	1.73	4.50	0.00		Running Total
	Totals	2.37	4.87	0.00	7.24	55.38		Totals	4.13	7.58	0.00	11.71	91.76
March '13	3/1 3/15	0.00 1.93	11.51 0.00	0.00 19.13			March '14		0.00	16.52	20.09		
						Running Total						Month's Total	
	Totals	1.93	11.51	13.44	39.39	94.77			0.00	16.52	20.09	36.61	128.37
April '13	4/2 4/9	0.00 2.38	11.61 5.19	0.00			April '14		6.40	17.12	0.00		
	4/25 Totals	0.00 2.38	10.12 26.92	0.00	29.30	Running Total 124.07			6.40	17.12	23.52	47.04	Running Total 175.41
May '13	5/8	2.43	4.86	0.00			May '14		2.86	30.23	16.67		
	5/14 5/16	0.00 0.00	6.42 2.42	0.00 18.15									
	5/29	2.54	5.73	0.00	Month's Total	Running Total						Month's Total	Running Total
	Totals	4.97	19.43	18.15	42.55	166.62		Totals	2.86	30.23	16.67	49.76	225.17
June '13	6/6	2.51	4.14	0.00			June '14		9.93	38.11	7.00		
ound 10	6/13	0.00	10.03	0.00					0.00	00			
	6/27	0.00	3.88			Running Total		T-1-1-	0.00	00.44	7.00	Month's Total	
	Totals	2.51	18.05	18.90	39.46	206.08		Totals	9.93	38.11	7.00	55.04	280.21
July '13	7/2	2.29	0.00	0.00			July '14		11.72	48.56	48.71		
	7/11	0.00	10.75	0.00									
	7/18 7/24	0.00 1.92	5.84 5.27	16.58 0.00	Month's Total	Running Total						Month's Total	Running Total
	Totals	4.21	21.86	16.58	42.65	248.73		Totals	11.72	48.56	48.71	108.99	389.20
	0.40	2.22	0.07							=0.40	24.22		
August '13	8/6 8/13	2.32 0.00	6.27 10.25	0.00			August '14	4	8.72	50.18	34.88		
	8/14	0.00	5.00	23.18									
	8/20	2.55	5.11	0.00									
	8/22 8/28	4.09 2.19	2.22 4.81	0.00	Month's Total	Running Total						Month's Total	Running Total
	Totals	11.15	33.66	23.18	67.99	316.72		Totals	8.72	50.18	34.88	93.78	482.98
				<u> </u>					–		4		
Sept '13	9/5 9/11	0.00 2.62	4.97 5.51	17.62 0.00			Sept '14		11.72	22.27	13.03		
	9/24	0.00	11.21	0.00	Month's Total	Running Total						Month's Total	Running Total
	Totals	2.62	21.69	17.62	41.93	358.65		Totals	11.72	22.27	13.03	47.02	530.00
Oct !12	10/1	2.40	0.00	0.00			Oct '14		2 24	10.00	22.01		
Oct '13	10/1 10/2	2.40 0.00	0.00 1.44	0.00			OCI 14		3.24	19.00	23.01		
	10/8	1.01	0.00	18.60									
	10/18	0.00	9.69	0.00	Mandala Tarat	D						Maradala Tarah	D
	10/29 Totals	2.02 5.43	5.26 16.39	0.00	40.42	Running Total 399.07		Totals	3.24	19.00	23.01	Month's Total 45.25	575.25
-								-					
Nov '13	11/8	0.00	4.61	15.08	M	D	Nov '14		5.95	19.92	0.00	NA	D
	11/26 Totals	0.00	10.86 15.47	0.00 15.08	Month's Total	Running Total 429.62		Totals	5.95	19.92	0.00	Month's Total 25.87	Running Total 601.12
	· Ctaio	5.00	. 5111	. 5.00	22.03			. 5 (3/0	0.00		3.00		<u>-</u>
		<b>.</b> .			40.1		•		<b>D.</b>			46.1	
		Plastic & Tin	Newspaper & Cardboard	Glass	12 Month Total				Plastic & Tin	Newspaper & Cardboard	Glass	12 Month Total	
Totals for I	Dec'12	41.14	215.64	160.33			Totals	for	73.20	309.26	218.66	601.12	
									-				

Maste Dec '12  Jan '13  Feb '13  April'13  May'13  June'13	Date 12/5 12/7 12/18 12/19 12/28 Total  1/31 Total  2/13 2/20 2/28 Total  3/5 3/15 3/21 3/27 Total  4/5 4/9 4/18 4/22 4/23 4/29 Total  5/3 5/13 5/15 5/23 5/28 5/29 Total  6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26 6/27	Tonnage 20.02 19.68 23.43 26.47 24.43 114.03 21.23 21.23 21.23 21.92 20.26 21.99 64.17 18.32 18.08 20.33 19.36 76.09  16.47 16.77 17.93 17.02 18.09 16.90 103.18  14.70 17.70 18.30 19.28 18.58 22.09 23.89 134.54  25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	Running Total 114.03  Running Total 135.26  Running Total 199.43  Running Total 275.52  Running Total 378.70  Running Total 378.70
Feb '13  March'13  April'13	12/18 12/19 12/28 Total  1/31 Total  2/13 2/20 2/28 Total  3/5 3/15 3/21 3/27 Total  4/5 4/9 4/18 4/22 4/23 4/29 Total  5/3 5/15 5/23 5/28 5/29 Total  6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	23.43 26.47 24.43 114.03 21.23 21.23 21.92 20.26 21.99 64.17 18.32 18.08 20.33 19.36 76.09 16.47 16.77 17.93 17.02 18.09 16.90 103.18 14.70 17.70 18.30 19.28 18.58 22.09 23.89 134.54 25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	Running Total 135.26  Running Total 199.43  Running Total 275.52  Running Total 378.70
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Feb '13  March'13  April'13	Total  1/31 Total  2/13 2/20 2/28 Total  3/5 3/15 3/27 Total  4/5 4/9 4/18 4/22 4/23 4/29  Total  5/3 5/13 5/15 5/23 5/28 5/29 Total  6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	21.23 21.23 21.23 21.23 21.92 20.26 21.99 64.17 18.32 18.08 20.33 19.36 76.09 16.47 16.77 17.93 17.02 18.09 16.90 103.18 14.70 17.70 18.30 19.28 18.58 22.09 23.89 134.54 25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	Running Total 135.26  Running Total 199.43  Running Total 275.52  Running Total 378.70
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March'13 April'13 May'13	2/13 2/20 2/28 Total 3/5 3/15 3/27 Total 4/5 4/9 4/18 4/22 4/23 4/29 Total 5/3 5/13 5/15 5/23 5/28 5/29 Total 6/3 6/4 6/7 6/11 6/20 6/21 6/26	21.92 20.26 21.99 64.17 18.32 18.08 20.33 19.36 76.09 16.47 16.77 17.93 17.02 18.09 16.90 103.18 14.70 17.70 18.30 19.28 18.58 22.09 23.89 134.54 25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	Running Total 199.43  Running Total 275.52  Running Total 378.70
April'13 May'13	2/28 Total  3/5 3/15 3/21 3/27 Total  4/5 4/9 4/18 4/22 4/23 4/29 Total  5/3 5/8 5/13 5/15 5/23 5/28 5/29 Total  6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	21.99 64.17  18.32 18.08 20.33 19.36 76.09  16.47 16.77 17.93 17.02 18.09 16.90 103.18  14.70 17.70 18.30 19.28 18.58 22.09 23.89 134.54  25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	Running Total 275.52  Running Total 378.70
April'13 May'13	Total  3/5 3/15 3/27 Total  4/5 4/9 4/18 4/22 4/23 4/29  Total  5/3 5/13 5/15 5/23 5/28 5/29  Total  6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	18.32 18.08 20.33 19.36 76.09 16.47 16.77 17.93 17.02 18.09 16.90 103.18 14.70 17.70 18.30 19.28 18.58 22.09 23.89 134.54 25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	Running Total 275.52  Running Total 378.70
April'13 May'13	3/15 3/21 3/27 Total 4/5 4/9 4/18 4/22 4/23 4/29 Total 5/3 5/15 5/23 5/28 5/29 Total 6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	18.08 20.33 19.36 76.09 16.47 16.77 17.93 17.02 18.09 16.90 103.18 14.70 17.70 18.30 19.28 18.58 22.09 23.89 134.54 25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	Running Total 378.70
May'13	3/21 3/27 Total 4/5 4/9 4/18 4/22 4/23 4/29 Total 5/3 5/15 5/23 5/28 5/29 Total 6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	20.33 19.36 76.09 16.47 16.77 17.93 17.02 18.09 16.90 103.18 14.70 17.70 18.30 19.28 18.58 22.09 23.89 134.54 25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	Running Total 378.70
May'13	Total  4/5 4/9 4/18 4/22 4/23 4/29  Total  5/3 5/13 5/15 5/23 5/29  Total  6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	76.09  16.47 16.77 17.93 17.02 18.09 16.90  103.18  14.70 17.70 18.30 19.28 18.58 22.09 23.89 134.54  25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	Running Total 378.70
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	4/22 4/23 4/29 Total 5/3 5/8 5/15 5/23 5/28 5/29 Total 6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	17.02 18.09 16.90 103.18 14.70 17.70 18.30 19.28 18.58 22.09 23.89 134.54 25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	378.70  Running Total
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	5/3 5/8 5/13 5/15 5/23 5/29 Total  6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	103.18 14.70 17.70 18.30 19.28 18.58 22.09 23.89 134.54 25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	378.70  Running Total
	5/8 5/13 5/15 5/23 5/29 Total 6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	17.70 18.30 19.28 18.58 22.09 23.89 134.54 25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	
	5/8 5/13 5/15 5/23 5/29 Total 6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	17.70 18.30 19.28 18.58 22.09 23.89 134.54 25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	
June'13	5/15 5/23 5/29 Total 6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	19.28 18.58 22.09 23.89 134.54 25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	
June'13	5/28 5/29 Total 6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	22.09 23.89 134.54 25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	
June'13	5/29 Total 6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	23.89 134.54 25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	
June'13	6/3 6/4 6/7 6/11 6/18 6/20 6/21 6/26	25.35 20.80 15.36 22.27 24.31 21.20 23.77 24.96	513.24
June'13	6/4 6/7 6/11 6/18 6/20 6/21 6/26	20.80 15.36 22.27 24.31 21.20 23.77 24.96	
	6/11 6/18 6/20 6/21 6/26	22.27 24.31 21.20 23.77 24.96	
	6/18 6/20 6/21 6/26	24.31 21.20 23.77 24.96	
	6/21 6/26	23.77 24.96	
	0,21	17.03	Running Total
	Total	195.05	708.29
July'13	7/1	44.81	
	7/3 7/5	20.67 25.61	
	7/8 7/10	45.97 21.38	
	7/12	28.93	
	7/16 7/19	52.96 20.91	
	7/22 7/23	21.33 20.13	
	7/26	26.41	D sin a Tatal
	7/29 Total	48.20 377.31	Running Total 1085.60
Aug '13	8/2	25.71	
	8/5 8/6	27.56 28.31	
	8/7	29.14	
	8/9 8/12	30.27 25.80	
	8/13 8/15	21.62 24.96	
	8/19	50.76 45.35	
	8/22 8/26	24.61	
	8/28 8/29	20.70 24.53	
	8/31 Total	25.90 405.22	Running Total 1490.82
Sept '13	9/4	25.23	
υσμι 13	9/5	24.91	
	9/6 9/11	24.14 21.27	
	9/12 9/18	24.02 26.21	
	9/23	19.01	Don't a Talal
	9/26 Total	23.71 188.50	Running Total 1679.32
Oct '13	10/2	23.30	
-	10/3 10/9	21.27 26.58	
	10/11	24.83	
	10/16 10/22	22.69 22.82	
	10/25 10/30	24.13 17.77	Running Total
	Total	183.39	1862.71
Nov '13	11/1	18.95	
	11/7 11/15	18.60 21.35	
	11/19 11/22	20.50 15.29	
	11/29	37.46	Running Total
	Total	132.15	1994.86

Solid	Dete	T	
Waste Dec '13	12/3	18.47	
	12/20 12/30	20.87 19.02	
	Total	58.36	Running Total
Jan '14	1/14	22.83	58.36 Running Total
Feb '14	Total	22.83 40.54	81.19
	2/25	24.64	Running Total 146.37
			140.37
March'14	3/11 4/2	18.26 18.86	
	Total	37.12	Running Total 183.49
April'14	4/16 4/29	23.59 20.89	
			Running Total
	Total	44.48	227.97
May'14	5/2 5/13 5/21 5/28	21.50 17.75 20.48 21.50	
	T-( '	04.00	Running Total
	Total	81.23	309.20
June'14	6/4 6/9 6/17 6/23 6/27	20.95 18.48 21.42 26.13 21.18	
			Running Total
	Total	108.16	417.36
July'14	7/1 7/8 7/8 7/11 7/15 7/17 7/21 7/25 7/28	20.75 30.03 26.14 26.64 30.13 31.38 31.73 29.89 26.41	
			Running Total
	Total	253.10	670.46
Aug '14	8/1 8/4 8/7 8/11 8/18 8/21 8/26 8/26 8/29	30.36 27.06 26.46 30.59 31.44 29.72 26.20 34.39 27.08 20.68	
	Total	283.98	Running Total 954.44
Sept '14	9/2	21.80	334.44
Ι <b>σ</b> σμι 14	9/2 9/8 9/11 9/16 9/23 9/29	23.46 23.30 22.80 18.70 24.33	
	Total	134.39	Running Total 1088.83
Oct '14	10/6	24.39	
	10/14 10/20 10/24	24.98	
			Running Total
	Total	100.18	1189.01
Nov '14	11/3 11/12 11/17 11/25	24.78 25.86 22.17 24.08	
	Total	96.89	Running Total 1285.90

EXHIBIT B
Tons of MSW by Month



## Three Month Bag Sales Analysis

**EXHIBIT C**Bag Sales by Month - November, 2013 through November 2014

	J	Retailers====	=======	:======	=====	Town of Well	fleet===		
	Month	Retailer Cases	Bags	Cost	Receipts	Cases	Cost		
	December	50	10,000	\$11,600	\$9,900	0			
	January	27	5,400	\$6,200	\$13,900	0			
	February	6	1,200	\$1,500	\$5,700	1	\$200		
	March	30	6,000	\$7,000	\$3,800	0			
	April	41	8,200	\$9,100	\$6,500	0			
	May	63	12,600	\$14,500	\$3,000	0			
	June	104	20,800	\$22,700	\$11,300	4	\$900		
	July	31	6,200	\$7,600	\$16,700	0			
	August	82	16,400	\$19,000	\$7,900	0			
	September	22	4,400	\$5,400	\$33,800	0			
	October	8	1,600	\$1,800	\$6,700	0			
	November	29	5,800	\$7,500	\$0	0			
	Total	493	98,600	\$113,900	\$119,200	5	\$1,100		
Bag Sales by Size - November 2013 through July 2014									
	Size	Cases	Bags	Cost	Fee/case	Extension			
	Small	73	14,600	\$7,300	\$31.38	\$2,290.74			
	Medium	185	37,000	\$37,000	\$37.05	\$6,854.25			
	Large	235	47,000	\$70,500	\$46.87	\$11,014.45			
	Total	493	98,600	\$114,800		\$20,159.44			

Note: \$300 discrepancy caused by mis pricing of bags sold to one retailer in November, 2013