

To: Cape Elizabeth Town Council  
From: Michael K. McGovern  
Re: Recycling and Municipal Solid Waste Data  
Date: July 26, 2010

Attached are three spread sheets with comparative recycling and solid waste data. Since 2006-2007, we have looked at 11 ecomaine communities. Key points from the data are:

Since 2006-2007, Cape Elizabeth has had the largest percentage decline by weight in municipal solid waste. (hopper trash) . This is -27.5% or 995 tons.

Since 2006-2007, Cape Elizabeth has had the largest percentage increase by weight in recycled material going into the silver bullets. This is +52.4%. or 399 tons.

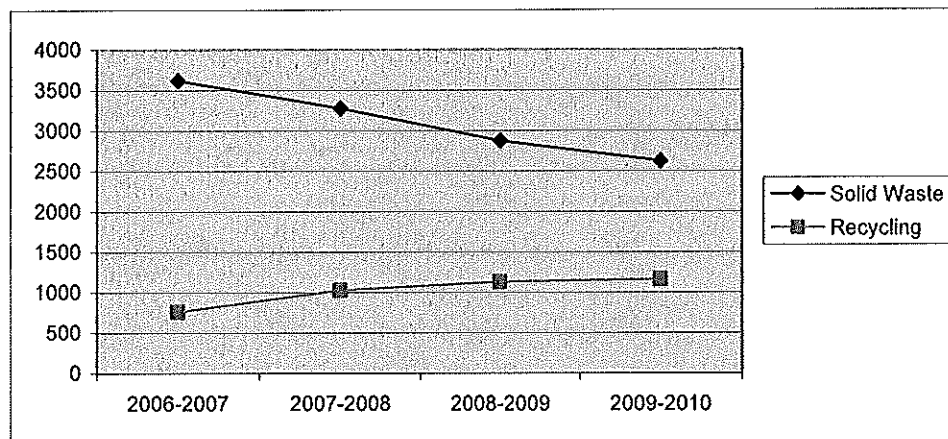
On a per capita basis, we now recycle 34% more per capita into the silver bullets than the mean of the 11 communities. In 2006-2007, we were 6% less than the mean.

On a per capita basis, we have 43% more solid waste per capita by weight than the mean of the comparative communities. In 2006-2007, we had 64% more than the mean so we are reducing trash per capita, but are still significantly above average.

In 2006-2007 we increased recycling tonnage by 35%. We increased by 9.8% in 2008-2009. We increased by just 2.7% in 2009-2010.

Assuming the cost of recycling hauling at \$40.00 per ton and solid waste hauling and fees at \$180.00 per ton, we have since 2006-2007 reduced solid waste costs on an annualized basis by \$179,000 and have increased recycling costs by \$ 16,000 for a net savings of \$163,000.

In 2009-2010, we had 2,626 tons of solid waste. If 1% of solid waste were to be redirected to the silver bullets, it would be a redirection of 26.26 tons. The net savings would be \$3,676.40. ( $\$140.00 * 26.26$ )



**Solid Waste and Recycling Tonnage  
2006-2007 to 2009-2010**

**RESIDENTIAL WASTE**

		Total Annual Tons											
		Covers July 1 to June 30		06/07 to 07/08		07/08 to 08/09		08/09 to 09/10		06/07 to 09/10			
		06/07	07/08	08/09	09/10	Change	% Change	Change	% Change	Change	% Change	Change	% Change
<b>Community</b>		3,621	3,275	2,875	2,626	(346)	-10%	(400)	-12.2%	(249)	-8.7%	(995)	-27.5%
<b>Cape Elizabeth</b>		2,124	1,820	1,711	1,708	(303)	-14%	(109)	-6.0%	(3)	-0.2%	(416)	-19.6%
<b>Cumberland</b>		2,721	2,405	2,186	2,141	(316)	-12%	(219)	-9.1%	(45)	-2.1%	(580)	-21.3%
<b>Falmouth</b>		2,154	2,064	1,949	1,831	(90)	-4%	(115)	-5.6%	(118)	-6.1%	(323)	-15.0%
<b>Freeport</b>		2,335	2,305	2,188	2,148	(30)	-1%	(117)	-5.1%	(40)	-1.8%	(187)	-8.0%
<b>Gorham</b>		11,639	10,893	10,414	10,147	(746)	-6%	(479)	-4.4%	(267)	-2.6%	(1,492)	-12.8%
<b>Portland</b>		7,060	5,500	5,397	5,391	(1,560)	-22%	(103)	-1.9%	(6)	-0.1%	(1,669)	-23.6%
<b>Scarborough</b>		7,838	7,525	6,950	6,656	(314)	-4%	(575)	-7.6%	(294)	-4.2%	(1,182)	-15.1%
<b>South Portland</b>		2,431	2,314	2,208	2,200	(117)	-5%	(106)	-4.6%	(8)	-0.4%	(231)	-9.5%
<b>Windham</b>		3,112	2,977	2,467	2,351	(135)	-4%	(510)	-17.1%	(116)	-4.7%	(761)	-24.5%
<b>Yarmouth</b>		3,217	3,104	3,029	3,012	(113)	-4%	(75)	-2.4%	(17)	-0.6%	(205)	-6.4%
<b>Standish</b>		48,251	44,182	41,374	40,211	(4,070)	-8.4%	(2,808)	-6.4%	(1,163)	-2.8%	(8,040)	-16.7%
<b>Total</b>													

**RECYCLED WASTE to ecomaine**

		Total Annual Tons											
		Covers July 1 to June 30		06/07 to 07/08		07/08 to 08/09		08/09 to 09/10		06/07 to 09/10			
		06/07	07/08	08/09	09/10	Change	% Change	Change	% Change	Change	% Change	Change	% Change
<b>Community</b>		761	1,028	1,129	1,160	267	35%	101	9.8%	31	2.7%	399	52.4%
<b>Cape Elizabeth</b>		1,030	844	721	724	(186)	-18%	(123)	-14.6%	3	0.4%	(306)	-29.7%
<b>Cumberland</b>		1,473	2,006	1,913	1,724	532	36%	(93)	-4.6%	(189)	-9.9%	251	17.0%
<b>Falmouth</b>		432	463	481	483	31	7%	18	3.9%	2	0.4%	51	11.7%
<b>Freeport</b>		1,417	1,444	1,262	1,284	27	2%	(182)	-12.6%	22	1.7%	(133)	-9.4%
<b>Gorham</b>		5,735	5,459	5,003	4,947	(276)	-5%	(456)	-8.4%	(56)	-1.1%	(788)	-13.7%
<b>Portland</b>		2,206	3,210	2,960	2,813	1,004	46%	(250)	-7.8%	(147)	-5.0%	607	27.5%
<b>Scarborough</b>		1,995	2,092	2,348	2,457	97	5%	256	12.2%	109	4.6%	462	23.2%
<b>South Portland</b>		1,445	1,571	1,554	1,593	126	9%	(17)	-1.1%	39	2.5%	148	10.3%
<b>Windham</b>		671	843	954	983	173	26%	111	13.1%	29	3.0%	313	46.6%
<b>Yarmouth</b>		594	596	661	711	1	0%	65	10.9%	50	7.6%	117	19.6%
<b>Standish</b>		17,759	19,557	18,986	18,879	1,797	10%	(571)	-2.9%	(107)	-0.6%	1,120	6.3%

Solid Waste/Recycling Per Capita Trends  
2006-2007 to 2009-2010

RESIDENTIAL WASTE													
	Total Annual Tons						Population Estimates 2009-Census Bureau	Pounds		Pounds		Pay Per Bag	Curbside Pickup
	Covers July 1 to June 30	06/07	07/08	08/09	09/10	09/10		Per Capita 2006-2007	Per Capita 2009-2010	06/07 % of Mean	09/10 % of Mean		
<b>Community</b>							<b>8,806</b>	<b>822.33</b>	<b>596.41</b>	<b>164%</b>	<b>143%</b>	<b>No</b>	<b>No</b>
Cape Elizabeth	3,621	3,275	2,875	2,626	2,626	7,627	556.88	447.88	111%	107%	Yes	Yes	
Cumberland	2,124	1,820	1,711	1,708	1,708	10,823	502.75	395.64	100%	95%	Yes	Yes	
Falmouth	2,721	2,405	2,186	2,141	2,141	8,304	518.88	440.99	104%	106%	Yes	No	
Freeport	2,154	2,064	1,949	1,831	1,831	15,707	297.35	273.51	59%	65%	Yes	Yes	
Gorham	2,335	2,305	2,188	2,148	2,148	63,008	369.44	322.09	74%	77%	Yes	Yes	
Portland	11,639	10,893	10,414	10,147	10,147	19,239	733.95	560.42	146%	134%	No	Yes	
Scarborough	7,060	5,500	5,397	5,391	5,391	23,976	653.83	555.22	130%	133%	No	Yes	
South Portland	7,838	7,525	6,950	6,656	6,656	16,901	287.62	260.34	57%	62%	Yes	Yes	
Windham	2,431	2,314	2,208	2,200	2,200	8,142	764.43	577.50	153%	138%	\$5 annl permit	No	
Yarmouth	3,112	2,977	2,467	2,351	2,351	9,988	644.15	603.12	129%	144%	\$25 annl permit	No	
Standish	3,217	3,104	3,029	3,012	3,012								
<b>Total</b>	<b>48,251</b>	<b>44,182</b>	<b>41,374</b>	<b>40,211</b>	<b>40,211</b>	<b>192,521</b>	<b>501.26</b>	<b>417.73</b>	<b>100%</b>	<b>100%</b>			
RECYCLED WASTE to ecomaine													
	Total Annual Tons						Population Estimates 2009-Census Bureau	Pounds		Pounds		Pay Per Bag	Curbside Pickup
	Covers July 1 to June 30	06/07	07/08	08/09	09/10	09/10		Per Capita 2006-2007	Per Capita 2009-2010	06/07 % of Mean	09/10 % of Mean		
<b>Community</b>							<b>8,806</b>	<b>172.83</b>	<b>263.46</b>	<b>94%</b>	<b>134%</b>		
Cape Elizabeth	761	1,028	1,129	1,160	1,160	7,627	270.13	189.85	146%	97%			
Cumberland	1,030	844	721	724	724	10,823	272.23	318.58	148%	162%			
Falmouth	1,473	2,006	1,913	1,724	1,724	8,304	104.13	116.33	56%	59%			
Freeport	432	463	481	483	483	15,707	180.43	163.49	98%	83%			
Gorham	1,417	1,444	1,262	1,284	1,284	63,008	182.04	157.03	99%	80%			
Portland	5,755	5,459	5,003	4,947	4,947	19,239	229.33	292.43	124%	149%			
Scarborough	2,206	3,210	2,960	2,813	2,813	23,976	166.42	204.95	90%	105%			
South Portland	1,995	2,092	2,348	2,457	2,457	16,901	170.97	188.51	93%	96%			
Windham	1,445	1,571	1,554	1,593	1,593	8,142	164.70	241.46	89%	123%			
Yarmouth	671	843	954	983	983	9,988	119.02	142.37	65%	73%			
Standish	594	596	661	711	711								
<b>Total</b>	<b>17,759</b>	<b>19,557</b>	<b>18,986</b>	<b>18,879</b>	<b>18,879</b>	<b>192,521</b>	<b>184.49</b>	<b>196.12</b>	<b>100%</b>	<b>100%</b>			

**Municipal Solid Waste Trends  
Excluding Portland**

RESIDENTIAL WASTE												
Total Annual Tons												
Covers July 1 to June 30												
	06/07	07/08	08/09	09/10	Population Estimates		Pounds		Pounds		Pounds	
					2009-Census	Bureau	Per Capita 2006-2007	Per Capita 2009-2010	06/07 % of Mean	09/10 % of Mean	Pay Per Bag	Curbside Pickup
<b>Community</b>	3,621	3,275	2,875	2,626	8,806	8,806	822.33	596.41	145%	128%	No	No
Cape Elizabeth	2,124	1,820	1,711	1,708	7,627	7,627	556.88	447.88	98%	96%	Yes	Yes
Cumberland	2,721	2,405	2,186	2,141	10,823	10,823	502.75	395.64	89%	85%	Yes	Yes
Falmouth	2,154	2,064	1,949	1,831	8,304	8,304	518.88	440.99	92%	95%	Yes	No
Freeport	2,335	2,305	2,188	2,148	15,707	15,707	297.35	273.51	53%	59%	Yes	Yes
Gorham	7,060	5,500	5,397	5,391	19,239	19,239	733.95	560.42	130%	121%	No	Yes
Scarborough	7,838	7,525	6,950	6,656	23,976	23,976	653.83	555.22	116%	120%	No	Yes
South Portland	2,431	2,314	2,208	2,200	16,901	16,901	287.62	260.34	51%	56%	Yes	Yes
Windham	3,112	2,977	2,467	2,351	8,142	8,142	764.43	577.50	135%	124%	\$5 annl permit	No
Yarmouth	3,217	3,104	3,029	3,012	9,988	9,988	644.15	603.12	114%	130%	\$25 annl permit	No
<b>Total</b>	<b>36,612</b>	<b>33,289</b>	<b>30,960</b>	<b>30,064</b>	<b>129,513</b>	<b>129,513</b>	<b>565.39</b>	<b>464.26</b>	<b>100%</b>	<b>100%</b>		
RECYCLED WASTE to ecomaine												
Total Annual Tons												
Covers July 1 to June 30												
	06/07	07/08	08/09	09/10	Population Estimates		Pounds		Pounds		Pounds	
					2009-Census	Bureau	Per Capita 2006-2007	Per Capita 2009-2010	06/07 % of Mean	09/10 % of Mean		
<b>Community</b>	761	1,028	1,129	1,160	8,806	8,806	172.83	263.46	93%	122%		
Cape Elizabeth	1,030	844	721	724	7,627	7,627	270.13	189.85	145%	88%		
Cumberland	1,473	2,006	1,913	1,724	10,823	10,823	272.23	318.58	147%	148%		
Falmouth	432	463	481	483	8,304	8,304	104.13	116.33	56%	54%		
Freeport	1,417	1,444	1,262	1,284	15,707	15,707	180.43	163.49	97%	76%		
Gorham	2,206	3,210	2,960	2,813	19,239	19,239	229.33	292.43	124%	136%		
Scarborough	1,995	2,092	2,348	2,457	23,976	23,976	166.42	204.95	90%	95%		
South Portland	1,445	1,571	1,554	1,593	16,901	16,901	170.97	188.51	92%	88%		
Windham	671	843	954	983	8,142	8,142	164.70	241.46	89%	112%		
Yarmouth	594	596	661	711	9,988	9,988	119.02	142.37	64%	66%		
<b>Total</b>	<b>12,024</b>	<b>14,097</b>	<b>13,983</b>	<b>13,932</b>	<b>129,513</b>	<b>129,513</b>	<b>185.69</b>	<b>215.14</b>	<b>100%</b>	<b>100%</b>		