

Summary of Recycling Data for Calendar Year 2015

Recycling tonnage for Erie County has been slightly trending down for several years, as has Solid Waste tonnage. There was a slight increase from 2014 to 2015 in our total recycling, and Table 1 shows that this increase is due mostly to the large increase in Commercial tonnage and a small increase in Residential Recycling. Below are graphs and tables showing the overall trends, rankings of each municipality by total recycling tons, residential recycling tons, and commercial recycling tons. As usual, Residential Recycling is ranked by Recycling tons per resident; but, this year, Commercial Recycling is evaluated based on number of commercial facilities in each municipality and by the total square footage of commercial facilities in each municipality.

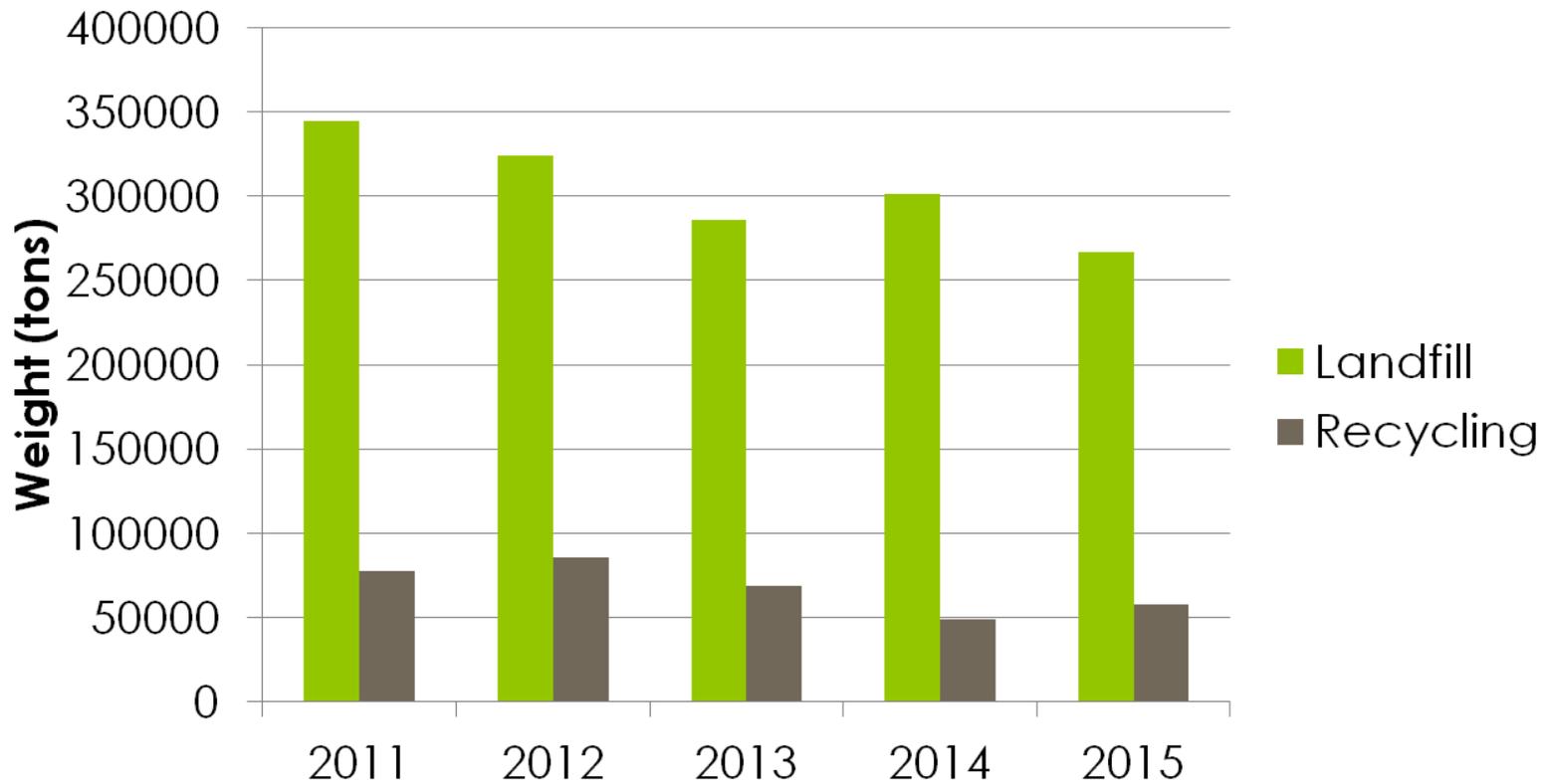


Figure 1: Solid Waste & Recycling trends since 2011.

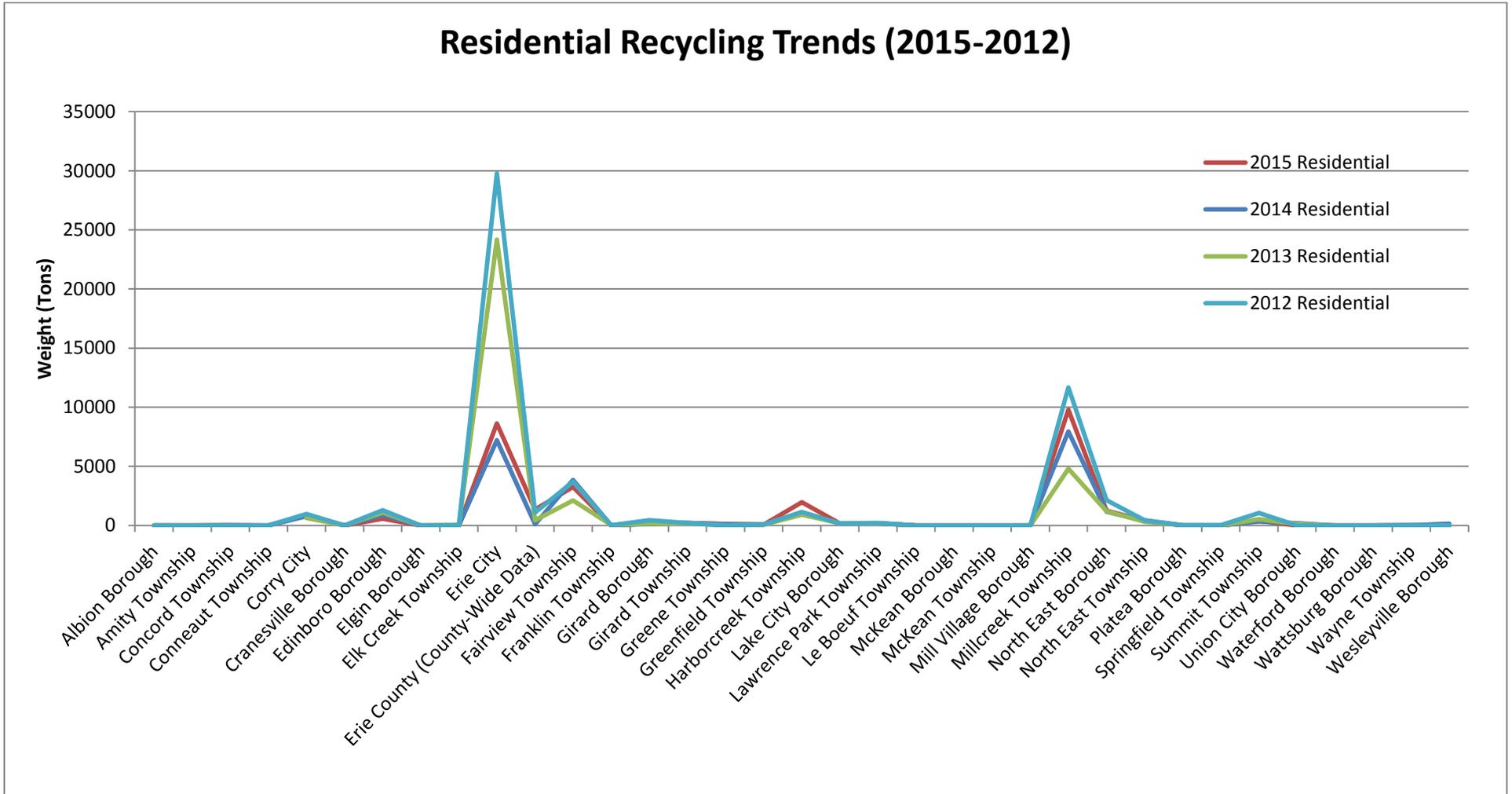


Figure 2: Residential Recycling tonnage by Municipality since 2012.

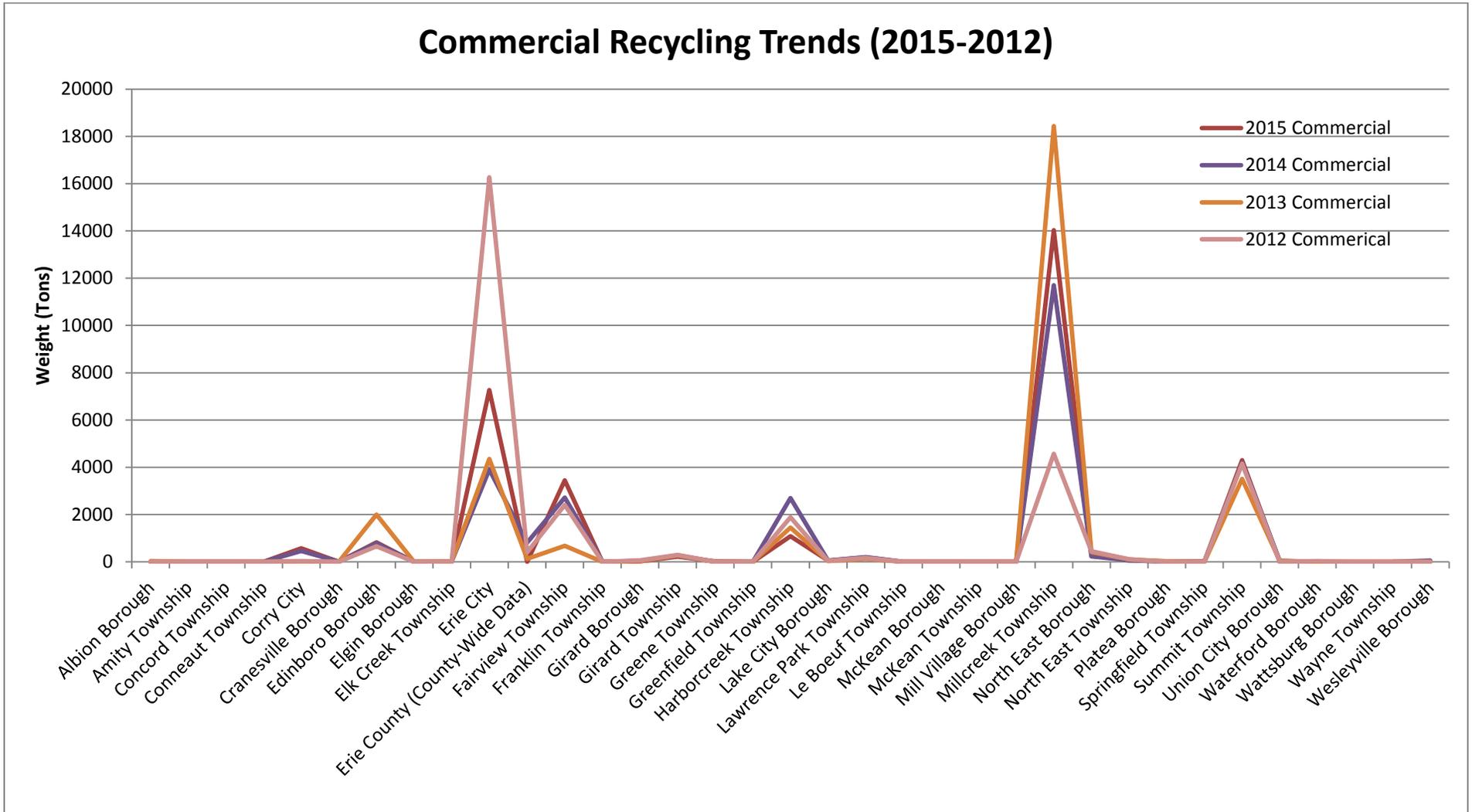


Figure 3: Commercial Recycling tonnage by Municipality since 2012

Total Recycling tonnage collection within all Erie County municipalities 2014 & 2015

Items	2014 Residential (Tons)	2015 Residential (Tons)	2014 Commercial, Municipal, Institutional (Tons)	2015 Commercial, Municipal, Institutional (Tons)
<i>SINGLE STREAM (all recyclables, including fiber, collected together)</i>	9,355.58	7,931.85	2,256.27	1,792.87
<i>COMMINGLED (two or more recyclables collected together, fiber separate)</i>	3,828.19	3,749.42	4,847.10	4,915.04
<i>MIXED GLASS</i>	136.42	56.67	149.73	64.4
<i>CARDBOARD</i>	200.57	736.84	8,292.24	9,655.69
<i>MIXED PAPER (office, magazine, yellow books, etc)</i>	306.96	213.93	2,818.01	796.03
<i>SEPARATED PLASTICS (1-7, mixed and films)</i>	177.97	354.39	352.65	376.13
<i>ALUMINUM CANS</i>	53.44	143.6	298.55	73.03
<i>MISCELLANEOUS METALS (Steel, Scrap, Brass, Copper, Lead, Etc)</i>	2,492.16	7,082.39	1,749.34	5,738.75
<i>WHITE GOODS</i>	12.85	7.7	290.27	63.36
<i>ANTIFREEZE, USE OIL, and OIL FILTERS</i>	1.47	17.02	628.87	500.07
<i>E-WASTE</i>	216.87	187.06	162.17	194.51
<i>OTHER HAZARDOUS WASTE (paints, pesticides, batteries, light bulbs etc.)</i>	65.96	130.67	175.24	159.24
<i>ASPHALT</i>	100.00	0	225.00	4,874.78
<i>RUBBER TIRES</i>	109.01	116.67	309.38	148.8
<i>CONSTRUCTION & DEMOLITION</i>	0.00	0	588.70	519.9
<i>MISCELLANEOUS CONSUMER ITEMS (Clothing and textiles, furniture, etc)</i>	0.02	0	73.46	1.04
<i>SOURCE SEPARATED FOOD</i>	0.00	120.56	808.32	646.15
<i>YARD & LEAF & WOOD WASTE</i>	8,255.93	8,441.09	629.30	1,995.17
TOTALS	25,313.39	29,289.82	23,420.53	32,514.96

Table 1: This table shows the different items collected and properly recycled in Erie County comparing 2014 and 2015 data.

<u>Total Recycling Tonnage by Municipality</u>	Municipality	Residential Tonnage	Commercial Tonnage	Total Recycling (tons)
	Albion Borough	140.848	0.000	140.848
	Amity Township	0.000	0.100	0.100
	Concord Township	4.050	0.200	4.250
	Conneaut Township	0.000	31.202	31.202
	Corry City	853.140	572.170	1,425.310
	Edinboro Borough	560.970	822.200	1,383.170
	Elgin Borough	89.208	0.000	89.208
	Erie City	8,619.900	7,267.300	15,887.200
	Fairview Township	3,259.360	3,445.680	6,705.040
	Franklin Township	14.400	0.000	14.400
	Girard Borough	168.690	23.420	192.110
	Girard Township	206.530	218.320	424.850
	Greene Township	127.510	27.570	155.080
	Greenfield Township	61.510	0.000	61.510
	Harborcreek Township	1,950.100	1,079.410	3,029.510
	Lake City Borough	159.090	55.420	214.510
	Lawrence Park Township	165.180	188.080	353.260
	McKean Borough	0.000	41.594	41.594
	McKean Township	0.000	0.200	0.200
	Millcreek Township	9,788.230	14,037.330	23,825.560
	North East Borough	1,237.020	370.360	1,607.380
	North East Township	415.690	65.410	481.100
	Platea Borough	0.000	23.420	23.420
	Springfield Township	0.000	23.420	23.420
	Summit Township	365.040	4,295.450	4,660.490
	Union Township	0.000	1.200	1.200
	Venango Township	21.600	0.600	22.200
	Washington Township	264.712	545.662	810.374
	Waterford Borough	0.000	0.000	0.000
	Waterford Township	0.000	10.418	10.418
	Wattsburg Borough	0.000	21.012	21.012
	Wayne Township	4.050	0.300	4.350
	Wesleyville Borough	2.570	0.000	2.570

Table 2: Total Recycling Collected by Municipality

Residential Recycling Ranked by Pounds per Resident

Ranking	Municipality	Residential Tons/Resident	Residential Pounds/Resident
1	Fairview Township	0.323	645.3
2	North East Borough	0.288	576.2
3	Millcreek Township	0.183	365.8
4	Corry City	0.129	258.3
5	Harborcreek Township	0.113	226.3
6	Edinboro Borough	0.087	174.3
7	Erie City	0.085	169.4
8	North East Township	0.066	131.7
9	Summit Township	0.055	110.6
10	Girard Borough	0.054	108.7
11	Lake City Borough	0.052	105.0
12	Lawrence Park Township	0.041	83.0
13	Girard Township	0.040	81.0
14	Greenfield Township	0.032	63.6
15	Greene Township	0.027	54.2
16	Concord Township	0.003	6.0
17	Wayne Township	0.002	4.9
18	Wesleyville Borough	0.001	1.5

Table 3: Residential recycling collected, ranked by Pounds per resident. Not all municipalities reported residential recycling.

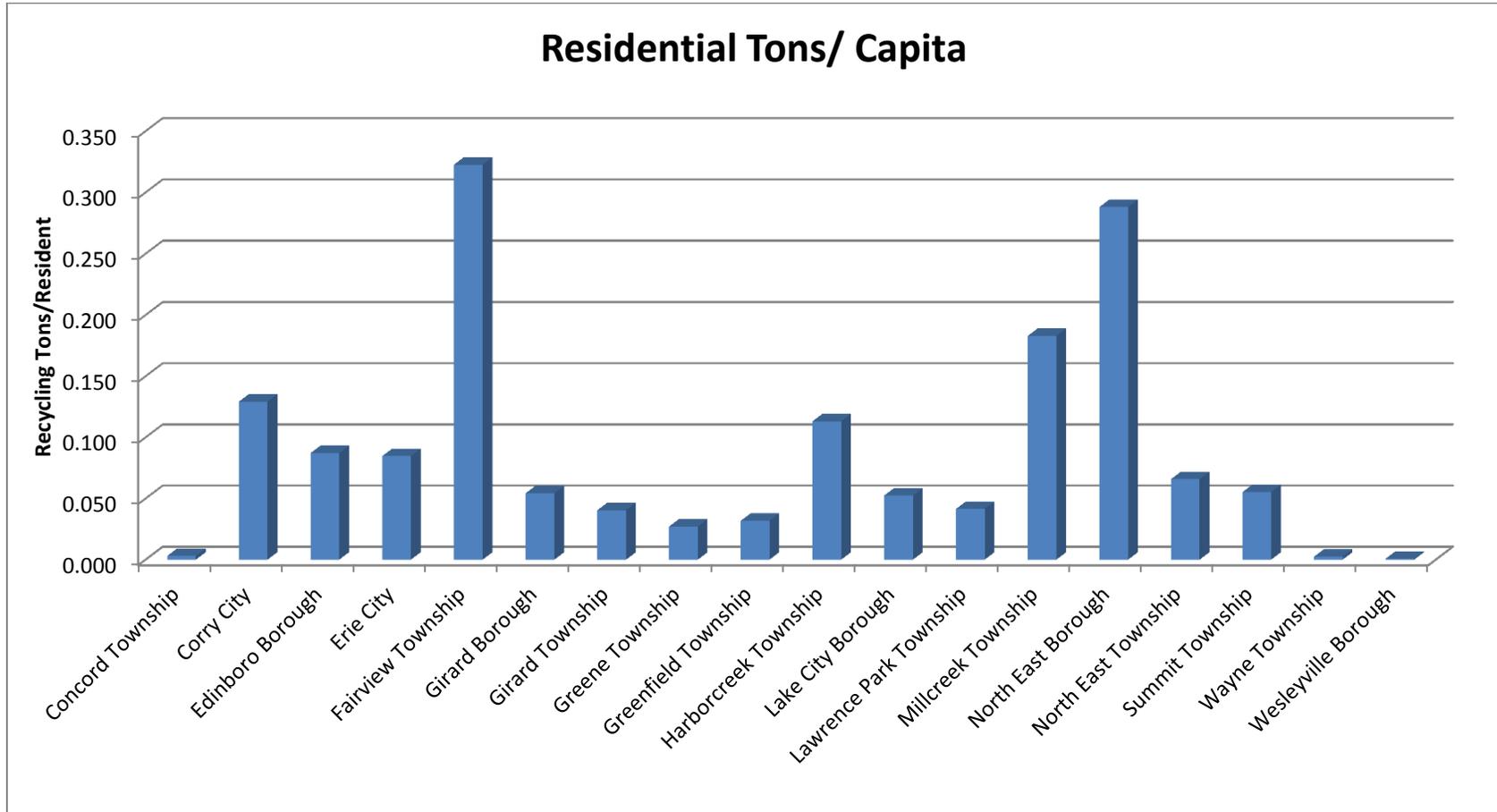


Figure 4: Graph Comparison of residential recycling tons per resident.

As had been discussed at the 2014 Recycling Summit, Commercial Recycling does not make sense to compare based on residential population in each municipality, since the residents have limited impact on whether businesses are recycling or reporting their recycling. The Department of Planning has been exploring the number of commercial facilities in each municipality and the amount of square footage that is considered commercial as a potential normalizing value in place of population. Commercial, in this case, includes not just traditional for-profit businesses, but industrial facilities, hospitals, non-profits, schools, etc. Anything that would be considered commercial recycling instead of residential recycling on an annual report has been included. The map below shows the distribution of commercial facilities by square footage across the county. The table then shows the data of population, commercial facility numbers and associated square footage by municipality. Figure 6 shows the distribution of Commercial Recycling tons by number of Commercial Facilities.

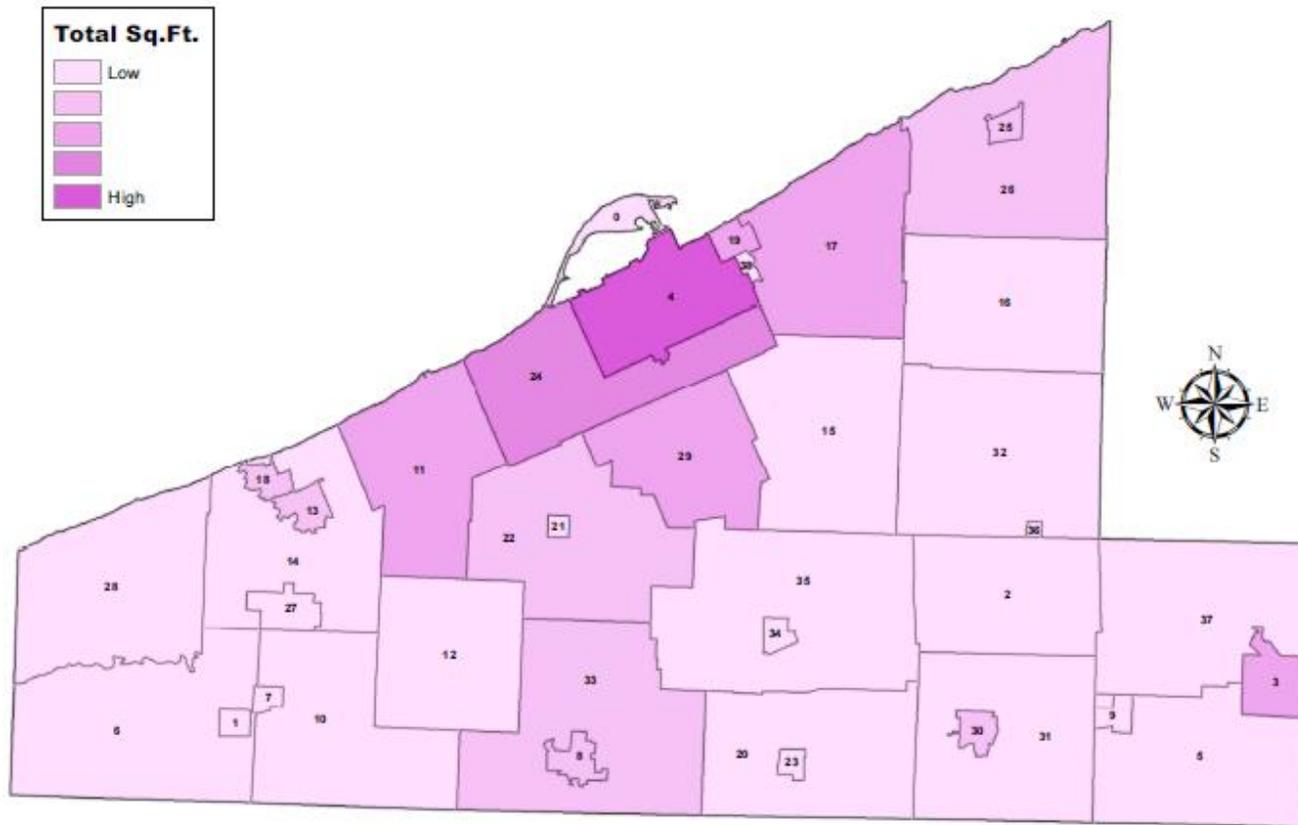


Figure 5: Map of Commercial Facility distribution across Erie County, 2016

Municipality	Population	Commercial Facilities	Commercial Sq Ft
Albion Borough	1,516.000	46.000	424,385
Amity Township	1,073.000	10.000	24,776
Concord Township	1,344.000	19.000	125,017
Conneaut Township	4,290.000	27.000	204,562
Corry City	6,605.000	221.000	4,308,390
Cranesville Borough	638.000	8.000	80,106
Edinboro Borough	6,438.000	94.000	937,415
Elgin Borough	218.000	8.000	8,418
Elk Creek Township	1,798.000	73.000	153,295
Erie City	101,786.000	1,939.000	34,338,239
Fairview Township	10,102.000	265.000	3,496,952
Franklin Township	1,633.000	21.000	95,819
Girard Borough	3,104.000	106.000	1,425,141
Girard Township	5,102.000	103.000	580,784
Greene Township	4,706.000	134.000	349,773
Greenfield Township	1,933.000	30.000	123,126
Harborcreek Township	17,234.000	396.000	3,572,942
Lake City Borough	3,031.000	71.000	1,074,093
Lawrence Park Township	3,982.000	53.000	4,050,906
Le Boeuf Township	1,698.000	35.000	163,396
McKean Borough	388.000	21.000	142,013
McKean Township	4,409.000	94.000	891,069
Mill Village Borough	412.000	13.000	431,137
Millcreek Township	53,515.000	1,589.000	16,249,634
North East Borough	4,294.000	130.000	2,388,329
North East Township	6,315.000	213.000	1,854,715
Platea Borough	430.000	15.000	75,022
Springfield Township	3,425.000	98.000	406,266
Summit Township	6,603.000	573.000	6,744,188

Municipality	Population	Commercial Facilities	Commercial Sq Ft
Union Township	3,320.000	68.000	1,162,624
Union City Borough	1,655.000	88.000	272,053
Venango Township	2,297.000	97.000	125,058
Washington Township	4,432.000	145.000	833,325
Waterford Borough	1,517.000	80.000	535,268
Waterford Township	3,920.000	108.000	464,491
Wattsburg Borough	403.000	20.000	164,332
Wayne Township	1,659.000	36.000	200,485
Wesleyville Borough	3,341.000	97.000	442,805

Table 4: Municipality Populations, Number of Commercial Facilities and Total Commercial Square Footage.

Commercial Recycling Ranked by Tons per Commercial Facility

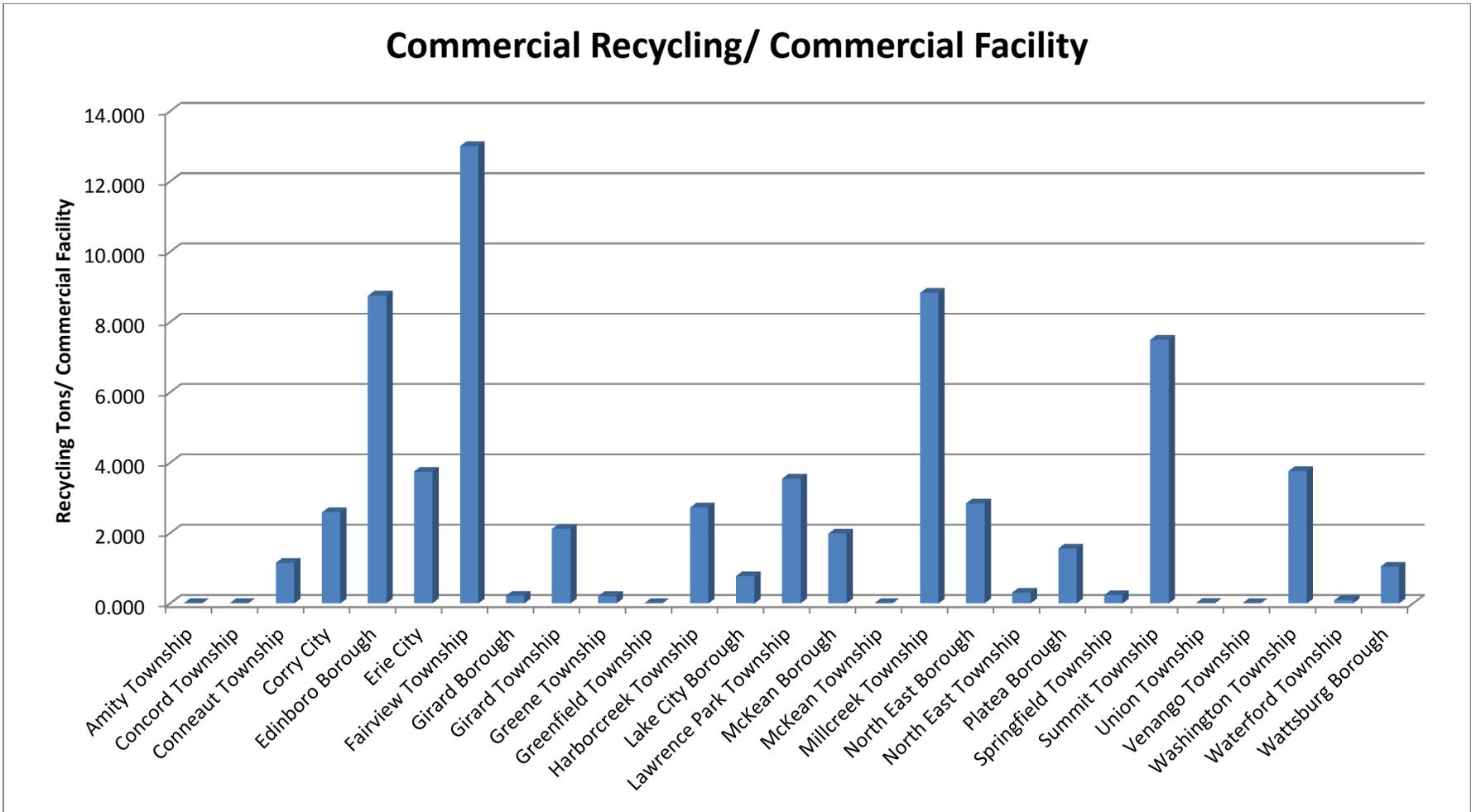


Figure 6: Graph Comparison of commercial recycling tons per commercial facility.

Congratulations to our 2016 Recycling Achievement Award winners!

Millcreek Township for the Most Recycling Collected in 2015: 23,825.56 Tons

Fairview Township for the Most Residential Recycling Collected per Resident: 0.323 Tons/Resident or 645.3 lbs/Resident

Fairview Township for the Most Commercial Recycling Collected per Commercial Facility: 13.0 Tons/Commercial Facility

Presented by:



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