



ANNUAL REPORT

Essex-Windsor Residential Waste Diversion 2015

Report Date: March 30, 2016

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Essex-Windsor Residential Waste Diversion

Annual Report for January – December 2015

1 Introduction

The Annual Waste Diversion Report provides information on the waste diversion activities carried out by the Essex-Windsor Solid Waste Authority during 2015 in compliance with Condition 5.2 of the Environmental Assessment Approval for the Essex-Windsor Regional Landfill.

1.1 2015 Residential Waste Diversion Rate

This report also provides the Authority with the ability to track any changes in the percentage of waste diverted through its waste diversion initiatives from year to year.

In 2015, the seven County of Essex municipalities and the City of Windsor delivered 94,290 tonnes of residential waste to the Regional Landfill. During the same time period, 58,143 tonnes of residential waste were diverted from the landfill via the blue box recycling program, municipal hazardous or special waste program, composting, and other waste diversion programs. These waste diversion initiatives resulted in a 2015 residential diversion rate of 37.5%. The 2014 diversion rate was also 37.5%.

The 2015 residential diversion rate is calculated using the following formula:

$$\frac{58,143 \text{ Tonnes Diverted (see Table 12, page 18)}}{94,290 \text{ Tonnes of Residential Refuse collected curbside} + 2,578 \text{ Residuals} + 58,143 \text{ Diverted Tonnes}} = \frac{58,143}{155,011} \times 100 = 37.5\% \text{ Diversion Rate}$$

$$\frac{57,585 \text{ Tonnes Diverted (see Table 12, page 18)}}{93,421 \text{ Tonnes of Residential Refuse collected curbside} + 2,446 \text{ Residuals} + 57,585 \text{ Diverted Tonnes}} = \frac{57,585}{153,452} \times 100 = 37.5\% \text{ Diversion Rate}$$

2 Programs

2.1 Residential Recycling Program

The tonnage of residential recyclable materials collected curbside during 2015 totaled 26,769 tonnes. The overall tonnage of recyclables collected in 2015 was lower compared to the 27,411 tonnes collected in 2014.

A monthly summary and comparison of the tonnage collected curbside from the City and the County in 2014 and 2015 is shown in Table 1. Collection of recyclables in the County was carried out under contract in 2015 by Windsor Disposal Services Ltd. Collection of recyclables in Windsor was carried out by Green For Life Environment Corporation.

All materials were processed at the Authority owned Essex-Windsor Recycling Centres, located at E.C. Row and Central Avenue, Windsor under contract to Windsor Disposal Services.

In addition to the residential recyclables collected curbside, 1,033 tonnes of recyclables were delivered to the Authority's Public Drop Off Depots in 2015. This is down 4.5% compared to the 1,082 tonnes delivered in 2014.

Table 1: Residential Recycling Collection Tonnages by Month for 2015 with 2014 Comparison

Month	County of Essex	City of Windsor	2015 Combined Tonnage	2014 Comparable Tonnage
January	1,120.72	1,158.75	2,279.47	2,438.38
February	849.43	898.69	1,748.12	1,896.76
March	984.71	1,037.64	2,022.35	2,007.64
April	1,148.02	1,155.41	2,303.43	2,386.52
May	1,147.16	1,192.04	2,339.20	2,545.72
June	1,201.67	1,175.80	2,377.47	2,279.64
July	1,198.02	1,203.28	2,401.30	2,425.66
August	1,007.53	991.64	1,999.17	2,174.84
September	1,130.22	1,170.02	2,300.24	2,308.94
October	1,096.43	1,117.90	2,214.33	2,416.22
November	1,099.24	1,079.11	2,178.35	1,995.06
December	1,267.93	1,337.24	2,605.17	2,535.31
Column Totals:	13,251.08	13,517.52	26,768.60	27,410.69

Table 1 Notes: The County of Essex includes the Town of Amherstburg, the Town of Essex, the Town of Kingsville, the Town of Lakeshore, the Town of LaSalle, the Municipality of Leamington and the Town of Tecumseh.

2.2 Recycling Residual Disposal

Recycling Residual is material that is left over after the processing of the recyclable materials collected and delivered to the Recycling Centre. The residuals consist of contaminated materials, non-recyclable materials, and packaging materials used to secure recyclables placed in the recycle box. A total of 2,577.67 tonnes of recycling residuals was disposed of in 2015.

3 Tonnes Marketed

For the purposes of waste diversion calculations, tonnes marketed are used instead of the tonnage collected curbside. The tonnes marketed by material type are shown in Table 2. The Essex-Windsor Solid Waste Authority markets all materials processed through the Recycling Centre, and retains 100% of the revenue from the sale of materials. Revenue from the sale of material in 2015 was approximately \$3,101,234 (see Table 3) representing a basket-of-goods revenue of approximately \$126/tonne compared to a basket-of-goods revenue of \$133/tonne in 2014. A brief discussion on market conditions and prices for each of the materials follows.

3.1 Fibres

Old Newspaper (ONP)

In 2015, ONP#8 prices ranged from a high of \$90 to a low of \$73 per tonne. The average price for 2015 was \$81 per tonne compared to an average price of \$75 per tonne in 2014.

Old Corrugated Cardboard (OCC)

The price for old corrugated cardboard ranged from a high of \$137 per tonne to a low of \$108 per tonne in 2015. The average price per tonne was \$125 compared to \$126 per tonne in 2014.

Cardboard/Boxboard (Hardpack)

(Example: Cereal Boxes)

Prices for a cardboard/boxboard mix ranged from a high of \$100 to a low of \$75 per tonne in 2015. The 2015 average price was \$87 compared to \$94 per tonne in 2014.

Fine Paper

Two loads of fine paper were sold in 2015 with an average price of \$210 per tonne. This is an increase compared to the \$201 per tonne received in 2014.

3.2 Containers

Steel Cans

The pricing for steel cans ranged from a high of \$270 per tonne to a low of \$105 per tonne during 2015. The 2015 average price was \$197 per tonne compared to \$297 per tonne in 2014.

Aluminum Cans

The pricing for aluminium ranged from a high of \$2,248 per tonne to a low of \$1,543 per tonne. The 2015 average price was \$1,874 per tonne compared to \$1,876 in 2014.

Glass

The average price for clear glass, marketed for new containers, in 2015 was \$36 per tonne, which is higher compared to the 2014 average price of \$31 per tonne. Clear glass is the only product that is not marketed FOB (Freight On Board) at the Essex-Windsor Recycling Centre. Mixed coloured glass was delivered to the Regional Landfill for use as road base.

Polyethylene terephthalate (PET)

(Example: Plastic Water Bottles)

PET prices ranged from a high of \$441 per tonne to a low of \$152 per tonne in 2015. The average price was \$323 per tonne in 2015 compared to the 2014 average price of \$417 per tonne.

High-Density Polyethylene (HDPE)

(Example: Laundry Soap Bottles)

HDPE prices ranged from a high of \$779 per tonne to a low of \$521 per tonne in 2015. The average price was \$625 per tonne in 2015 compared to the 2014 average price of \$697 per tonne.

Polycoat and Gable Top

(Example: Milk Cartons)

Three loads of polycoat were shipped out in 2015 at an average price of \$137 per tonne compared to the average price of \$109 per tonne in 2014.

Mixed Plastics

(Example: tubs & lids, clamshells, trays, cups, all plastic bottles, excludes polystyrene and plastic film bags)

In 2015, mixed plastic prices ranged from a high of \$153 per tonne to a low of \$99 per tonne. The average price was \$124 per tonne in 2015 compared to the average price of \$82 per tonne in 2014.

Table 2A: Marketed Fibres Summary for 2015 with comparison to 2014 Tonnages

Fibre Material	2015 Tonnage	2014 Tonnage	% Change
Old News Paper (ONP#8)	14,273	14,189	0.6
Cardboard (OCC)	3,028	2,842	6.5
Hardpack (OCC/OBB mix)	2,189	2,264	-3.3
Fine Paper	42	61	-31.1
Fibre Totals:	19,532	19,356	0.9

Table 2B: Marketed Containers Summary for 2015 Tonnes with 2014 Comparison

Container Material	2015 Tonnage	2014 Tonnage	% Change
Clear Glass	222	229	-3.1
Mixed Glass	1,660	1,930	-14.0
Steel Cans	839	879	-4.6
Aluminum Cans	272	314	-13.4
Polyethylene terephthalate (PET)	1,203	1,159	3.8
High-Density Polyethylene (HDPE)	388	383	1.3
Polycoat/Gable top	59	97	-39.2
Mixed Plastics	394	481	-18.1
Container Totals:	5,037	5,472	-7.9

Table 2C: Residential Recyclables Marketed in 2015 with 2014 Comparison

Tonnes Marketed	2015 Tonnage	2014 Tonnage
a) Total Tonnes Marketed	24,569	24,828
b) ICI Tonnes	(924)	(981)
Net Marketed Residential Recyclables	23,645	23,847

Table 2C Notes: a) Total Tonnes Marketed less b) ICI Tonnes = Net Marketed Residential Recyclables.

Figure 1: Percent of Tonnes for 2015 Marketed Recyclables

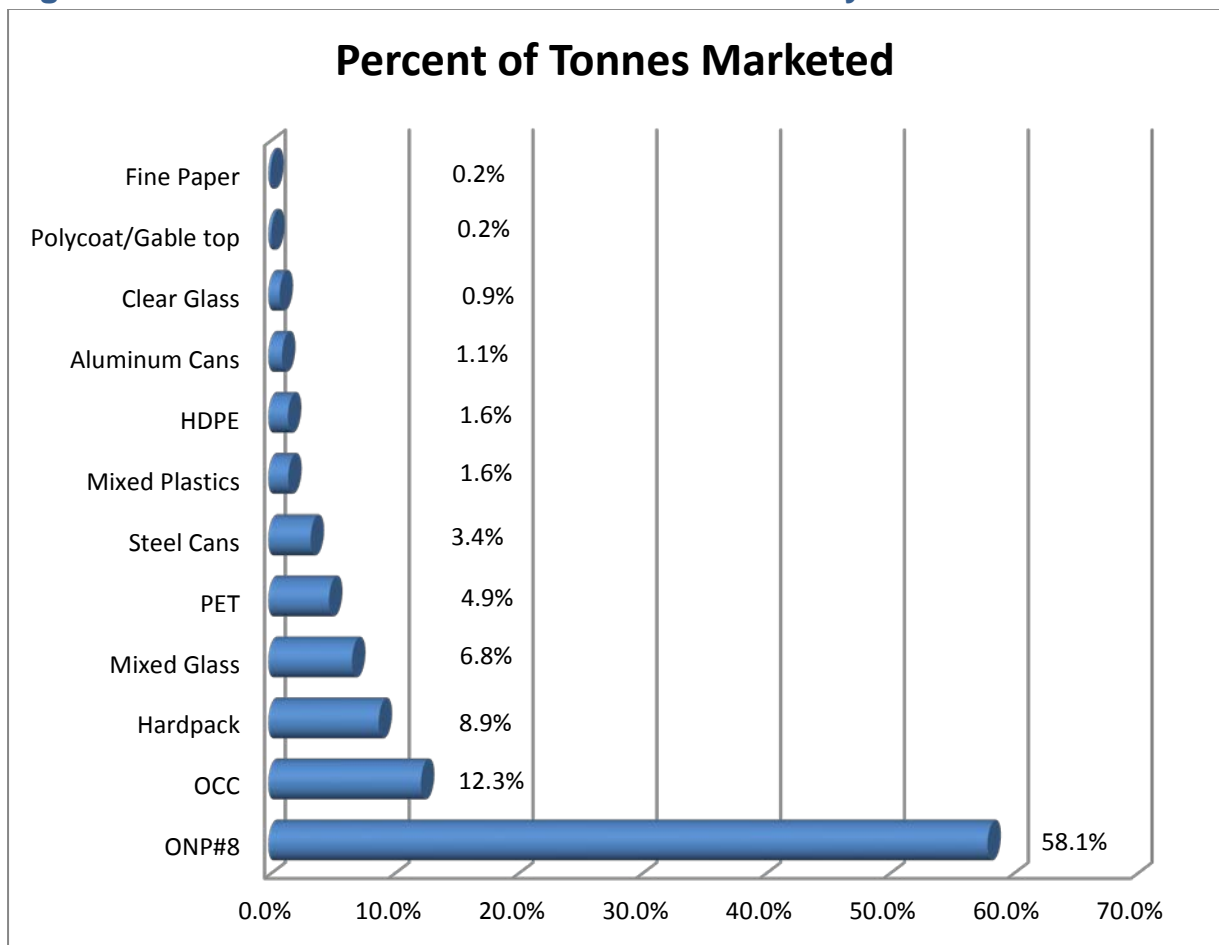


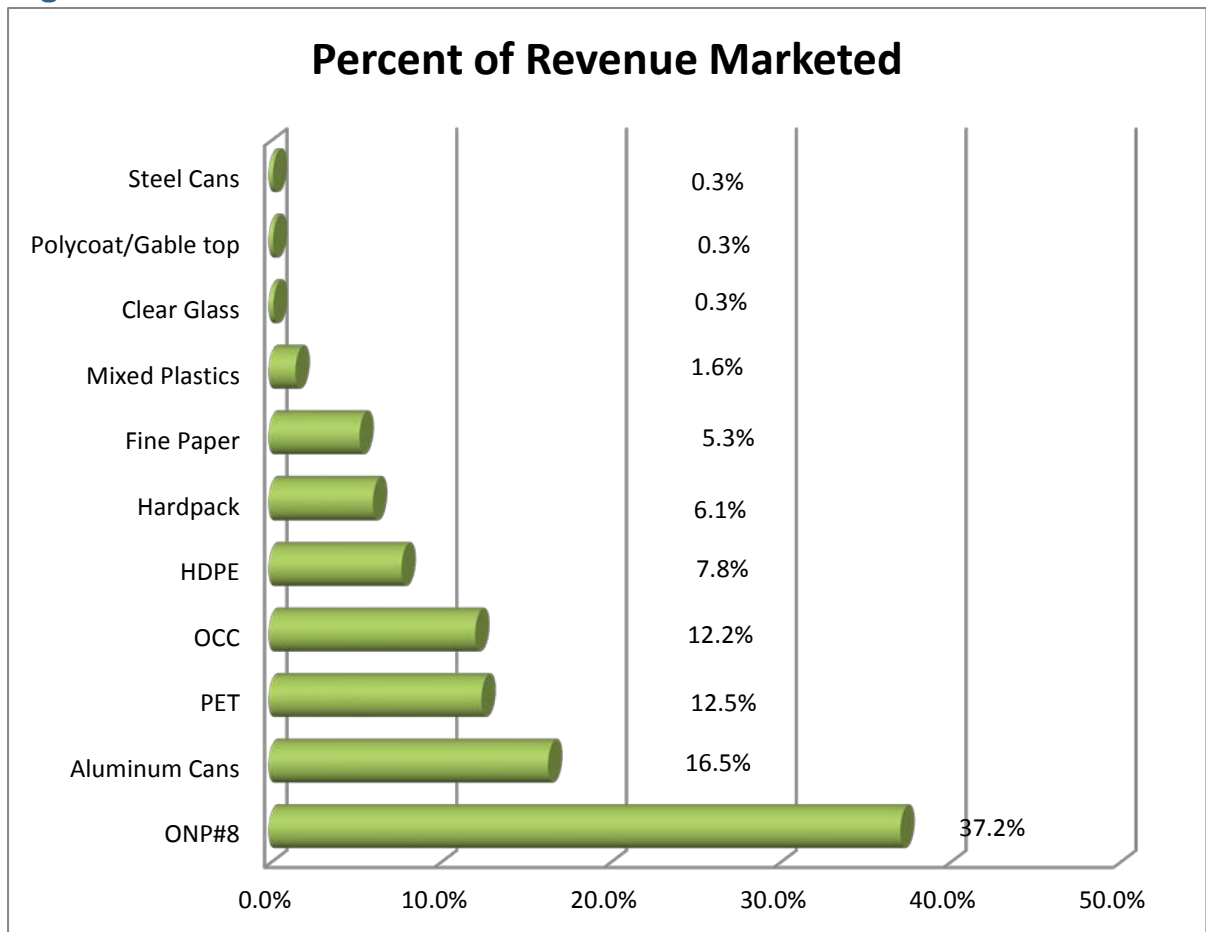
Table 3: Revenue Comparison for 2015 to 2014

Recyclable Material	2015 Revenue	2014 Revenue
Old News Paper (ONP#8)	\$1,153,481	\$1,063,864
Cardboard (OCC)	\$377,052	\$359,410
Hardpack	\$190,342	\$212,973

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Recyclable Material	2015 Revenue	2014 Revenue
Fine Paper	\$8,762	\$12,156
Clear Glass	\$7,955	\$7,072
Steel Cans	\$165,669	\$260,600
Aluminum Cans	\$510,180	\$589,651
Polyethylene terephthalate (PET)	\$388,497	\$483,079
High-Density Polyethylene (HDPE)	\$242,440	\$267,204
Polycoat/Gable top	\$8,065	\$10,633
Mixed Plastics	\$48,791	\$39,384
Total Revenue	\$3,101,234	\$3,306,026

Figure 2: Percent of Revenue Marketed in 2015



4 Other Residential Recycling Programs

4.1 White Goods

White Goods, such as fridges, stoves, air conditioners, washers, dryers, freezers dishwashers, etc. were restricted from landfill disposal in 1991. Curbside collection of white goods from County municipalities captured 1,301 units (approximately 117 tonnes) in 2015.

The City of Windsor did not operate a white goods collection program during 2015.

There were also 145 tonnes (144 tonnes in 2014) of white goods delivered to the Public Drop Off Depots for a combined total of approximately 262 tonnes. Based on the Waste Diversion Ontario (WDO) Datacall residual percentage of 20%, approximately 210 tonnes of white goods were recycled. Table 4A details the white goods collection program for each of the municipalities in the County of Essex by month during 2015.

Table 4A: Essex County White Goods Collected in 2015 by Month

Month	Tecumseh	Lakeshore	Essex	LaSalle	Amherstburg	Leamington	Kingsville	Total for Month
January	6	13	6	11	18	3	18	75
February	5	14	6	8	14	4	15	66
March	6	10	12	14	17	10	13	82
April	6	14	14	15	17	20	14	100
May	9	14	16	24	17	18	28	126
June	18	20	16	14	23	11	18	120
July	8	6	15	28	15	31	25	128
August	18	20	16	21	32	21	25	153
September	12	13	11	17	16	15	22	106
October	13	17	7	14	22	24	23	120
November	11	22	25	22	23	15	12	130
December	12	14	9	16	14	17	13	95
Total Units	124	177	153	204	228	189	226	1,301

Table 4A Notes: 1,301 units with the average weight of 90 kilograms per unit results in diversion of approximately 117 tonnes

Table 4B: Summary of White Goods Diversion for 2015

White Goods Tonnage Summary	2015 Tonnes
Curbside Collection Converted to Tonnes	117
Drop Off Depot Tonnes	145
Total White Goods Tonnage	262
Less 20% Residual Calculation Amount	(52)
Total Tonnes Recycled and Diverted	210

4.2 Tires

Bins for automotive tire recycling are located at all Essex-Windsor disposal facilities. The Ontario Tire Stewardship Used Tires Program as calculated in the WDO Datacall resulted in diversion of approximately 2,759 tonnes in the Essex-Windsor area.

4.3 Scrap Metal

There are 40-yard roll off bins located at the Public Drop-off Depot for collection of ferrous and non-ferrous scrap metal material. The metals are sold through a competitive bid process to local scrap dealers. In 2015, approximately 462 tonnes of metals were collected and recycled. While the Authority does not advertise that it accepts other metal household objects besides steel cans in the blue box program, the Authority does receive and does try to capture any metal objects which are called "mixed metal". An additional 69 tonnes of mixed metals were received in 2015 for a total of 531 tonnes of scrap metal.

4.4 Electronics Recycling

Under contract to the Authority, Greentec supplies roll off bins for the collection of electronics at the Authority's Public Drop-off Depots. EWSWA staff place the electronic items from the public in the bin. In 2015, a total of 405 tonnes of computers, televisions, audio visual equipment, and various electronic items were collected through the Waste Electrical and Electronics Equipment (WEEE) stewardship program. Based on a residual portion of 20% the total electronics recycled was approximately 324 tonnes.

4.5 Deposit/Return Program

The Authority implemented a capture program at its Material Recovery Facility for deposit/return containers that were placed curbside for collection as part of the blue box program. Currently aluminum beer

containers and glass wine and spirit bottles are captured through the program. During 2015, approximately 25 tonnes of deposit/return containers were received at the MRF and are included as part of the 2,141 tonnes that were diverted throughout Essex-Windsor as part of the Deposit/Return & Stewardship Program. The 2,141 diversion tonnage figure is calculated as part of the 2015 Waste Diversion Ontario Datacall and is based on the Essex-Windsor population as determined by the latest Statistics Canada Census data.

4.6 Textiles/Small Household Item Reuse

The Authority formed a partnership with Goodwill Industries in 2013 to provide local residents with an opportunity to drop off gently used items at the Essex Windsor Material Recovery facility in Windsor. This included clothing, furniture, and household items. Goodwill staff was located on-site to receive the materials for free from the public from January to November 2015. The materials were in turn transferred to the Goodwill Donation Store for resale or for recycling. During 2015 a total of 71 tonnes of these materials were diverted from landfill before Goodwill decided to close their collection depot in November 2015.

Table 5 below summarizes the quantities listed in sections 4.1 through 4.6 of this report for 2015 with a comparison to 2014 quantities.

Table 5: Other Recyclables Tonnage Comparison 2015 and 2014

Recyclable Material	2015 Tonnage	2014 Tonnage	% Change
White Goods (all sites)	210	218	-3.7
Used Tire Program	2,759	2,759	0.0
Scrap & Mixed Metal	531	527	0.8
Electronics	324	325	-0.3
Deposit/Return & Stewardship Program	2,141	2,141	0.0
Textiles/Small Household Items	71	66	7.6
Total Other Recyclables	6,036	6,036	0.0%

Table 5 Notes: WDO Datacall calculation is based on population for Used Tire Program and Deposit/Return & Stewardship Program in the Essex-Windsor area as reported by the Statistics Canada Census.

5 Residential Organics

5.1 Yard Waste

Grass, leaves, tree trimmings and brush are restricted from disposal at the Essex-Windsor Regional Landfill Site. As a result many local municipalities have established separate collection systems for yard waste, including special collections in January for Christmas trees. In addition, individual residents and grounds maintenance contractors brought yard waste to one of the three yard waste depots operated by the Essex-Windsor Solid Waste Authority in 2015.

The Essex-Windsor area accepts the use of paper bags, wheeled carts, garbage bins and cardboard boxes for the collection of yard waste. Plastic bags are not accepted. Approximately 25,976 tonnes of yard waste were received in 2015, down 5.5% compared to the 27,492 tonnes in 2014.

Table 6A: 2015 Yard Waste Summary for all sites

Material Type	Windsor Public Drop Off	Kingsville Transfer Station 2	Regional Landfill
Municipal Delivered	11,474	1,525	3,961
Residential Delivered	4,655	923	140
Total Res. Organics	16,129	2,448	4,101
ICI Organics and Pallets	502	277	2,519
Grand Total (Tonnes)	16,631	2,725	6,620

Table 6A Notes: ICI is Industrial, Commercial and Institutional delivered material type.

Table 6B: Yard Waste Tonnage 2015 comparison to 2014

Material Type	2015 Tonnage	2014 Tonnage
Municipal Delivered	16,960	16,476
Residential Delivered	5,718	5,491
Total Res. Organics	22,678	21,967
ICI Organics and Pallets	3,298	5,525
Grand TOTAL (Tonnes)	25,976	27,492

Table 6B Notes: ICI is Industrial, Commercial and Institutional delivered material type.

5.2 Screened Compost Sales

The Authority takes the organics and yard waste it receives and turns this material into compost. Compost is nutrient rich organic material which is

essential for plant growth. The composting process involves grinding up yard waste and placing it in long rows called ‘windrows’. The material is turned frequently and the temperature is maintained above 55 degrees Celsius in order to kill any pathogens or weed seeds. Once the compost has matured it is tested, screened and sold for use in landscaping and for flower and vegetable gardens.

In 2015 compost was sold in bulk, delivered, bag your own, and prepackaged. The results are listed in Table 7.

Table 7: Compost Sales 2015 Summary

Compost Material	2015 Quantity Sold	2015 Tonnes
Delivered	790 cubic yards	465
Bulk Sales	18,313 cubic yards	10,768
Bag Your Own Compost	858 Bags	23
Prepackaged Garden Gold Compost	9,316 bags	168

Table 7 Notes: Prepackaged bag weights are based on approximately 18 kg/bag; bag your own compost is approximately 27 kg/bag and bulk compost is approximately 588 kg/cubic yard.

Under contract to the Authority, Frank Dupuis Landscaping and Trucking provided delivery services for the sale of compost to local residents. Also 18,313 cubic yards in bulk sales were sold to residents and businesses at EWSWA Depots. Additionally about 9,316 prepackaged bags of compost were sold at the Depots and the Truckload Sales. Many residents also bagged their own compost at one of the depots. The combined total weight of compost sold was approximately 11,424 tonnes. Compost Sales totaled \$167,092 in 2015.

5.3 Backyard Composting

Backyard composters (BYC) with the brand name “The Earth Machine” and “The Green Cone” were sold to Essex-Windsor residents in 2015. The Earth Machine was sold through local Home Hardware stores year round. Both units were sold during the Truckload Sale held in the City of Windsor. Approximately 48 Earth Machine units were sold through the Home Hardware stores (44 units in 2014) and 251 units during the truckload and miscellaneous sales (322 in 2014) for a total of 299 units. There were 72 Green Cones sold in 2015 (73 in 2014), bringing the cumulative total to 443 Green Cones distributed since 2010, when they were first introduced to the area. The combined backyard composting containers distributed in 2015 was 371 units bringing the total number of BYC units sold since 1988 to 38,294.

Current research has indicated that approximately 100 kg/year/BYC is diverted as a result of the backyard composter program. This translates into 3,829 tonnes of organic waste diverted from the landfill through this program. This does not take into account homemade composters or composting done independent of the Authority’s backyard composting program.

Table 8: Residential Organic Waste Reduction Comparison 2013 to 2015

Residential Organic Programs	2015 Tonnes	2014 Tonnes	2013 Tonnes
BYC Program	3,829	3,792	3,748
Mulching Blades	1,343	1,343	1,343
Yard Waste (Residential)	22,678	21,967	19,693
Total Residential Organics	27,850	27,102	24,784

Table 8 Notes: The mulching blade program was no longer directly offered through EWSWA after 2001 though mulching blades and mowers are used by residents in the area but cannot be measured for the purposes of this report, therefore no increase in diversion is indicated.

6 Promotion and Education

6.1 School and Community Presentations

In 2015, Authority staff conducted 148 presentations to over 13,260 individuals at 40 different locations; 57 school presentations were made to approximately 8,251 students. An additional 11 presentations were provided to community groups of approximately 509 adults; 80 presentations were conducted to approximately 500 people at EWSWA open house events and numerous presentations to approximately 4,000 grade 3-6 students through the Essex Region Children’s Water Festival Event.

The emphasis in 2015 was placed on “We can Recycle More of the Right Material in the Right Place”.

6.2 Special Community Events

Authority staff organized displays and talked to area residents at various special events scheduled at the Horticultural Show, Earth Day Celebrations and the Truckload Sale. There were 114 special events serviced with recycling in 2015 throughout Essex County and the City of Windsor. Many special event venues have implemented their own ongoing recycling program throughout the season (April through September) and do not require the per event service offered by EWSWA.

6.3 On-going Public Education Activities

The Authority maintains a Waste Reduction Hotline (1-800-563-3377), a Website ([EWSWA Home Page at www.ewswa.org](http://www.ewswa.org)) and a newsletter called Enviro-Tips which is delivered once a year to each household and which has also been converted to electronic format and is available online.

E-newsletters are employed due to the low cost and the ability to reach residents quickly and effectively. Industry standards indicate that a decent open rate is anything between 20-33%. The Authority has 313 e-newsletter subscribers and will be working to increase that number in 2016. Three e-newsletters were sent out in 2015. The spring e-newsletter had an open rate of 65%, the Open House e-newsletter had a 54% open rate and the Waste Reduction week e-newsletter had a 56% open rate.

The EWSWA website is updated on a regular basis to provide detailed information and public education to residents. Topics covered range from waste management and reduction to details about waste diversion activities. Residents have access to instructions, tenders, reports, calendars, acceptable recycle box materials, incentives etc. In 2015 there were approximately 37,318 hits on the website bringing the total hits to 108,608 hits since the launch of the new website in 2012; the monthly average hits in 2015 were 3,162 with duration of approximately 1:42 minutes.

EWSWA also continues to maintain a presence in social media sites such as Facebook and Twitter. EWSWA started with 30 Twitter followers on January 1, 2015 and had 243 followers by December 31, 2015. On September 22, 2015 we reached 740 people on Facebook, the highest amount for 2015. The YouTube video entitled "A Day in the Life of Water Bottle Wally" has received 514 hits to date.

7 Municipal Hazardous or Special Wastes (MHSW) Programs

7.1 MHSW Depots

The Essex-Windsor Solid Waste Authority opened its Windsor MHSW Depot in October of 1995. In addition to the Windsor facility, the Authority opened a second MHSW Depot at Transfer Station No. 2 in the Town of Kingsville in 1997. A third depot was opened at the Essex-Windsor Regional Landfill Site in October 2013. The Depots replaced the annual Household Chemical Waste Days held in Essex-Windsor. All facilities were operated year round in 2015. A total of 470,233 litres and 86,333 kg of

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MHSW materials were delivered to the sites. See Table 9A and 9B for details.

Reuse Centre

A Reuse Centre has been operated at the Windsor MHSW facility since its opening in 1995.

Paint is distributed in both 1-gallon and 5-gallon pails for reuse. According to the records, 3,552 residents accessed the Reuse Centre and took 48,421 products or approximately 68,943 kg of paint and miscellaneous materials in 2015 compared to 38,038 products or 52,347 kg of reusable materials in 2014.

Demand for the Reuse Centre remains high, however quantities available depend largely on how good the products are that are delivered by households to the facility.

Table 9A: Municipal Hazardous or Special Waste 2015 Litres

Material	MHSW from Facilities	Reuse Centre Quantities	Total Litres
Adhesives/Flammable Organics	60,525	16,992	77,517
Aerosols	7,180	1,224	8,404
Antifreeze (Glycol)	7,645	0	7,645
Corrosive Liquid	3,715	812	4,527
Gasoline/Fuels	1,435	0	1,435
Inorganic Acids	665	0	665
Paints & Coatings	189,858	35,423	225,281
Pesticides	6,350	965	7,315
Petroleum Distillates	0	8,469	8,469
Recyclable Waste Oil	192,860	0	192,860
Total MHSW Litres	470,233	63,885	534,118

Table 9B: Municipal Hazardous or Special Waste 2015 Kilograms

Material	MHSW from Facilities	Reuse Centre Quantities	Total kg
Ballasts (All Types)	600	0	600
Car Batteries	21,260	0	21,260
Dry Cell Batteries	5,415	0	5,415
Fire Extinguishers	835	0	835
Fluorescents/Misc. Lamps	13,410	0	13,410
Inorganic Oxidizers	2,680	5,058	7,738
Mercury (HG items)/Lead	31	0	31
Pharmaceuticals	575	0	575
Plastic Used Oil Containers	14,202	0	14,202
Propane Cylinders	3,268	0	3,268
Propane Tanks	12,750	0	12,750
Rechargeable & Mixed Batteries	10,497	0	10,497
Waste Oil Filters	810	0	810
Total MHSW kilograms	86,333	5,058	91,391

Table 10: MHSW Diversion Comparison (Tonnes) 2015 with 2014

	2015 Tonnes	2014 Tonnes
MHSW Recycled or Reused	626	614
MHSW not Recycled	(14)	(14)
Total MHSW Diverted	612	600

7.2 Waste Motor Oil

Waste motor oil is collected curbside with the residential recycling program. As well, residents are able to deliver oil to the MHSW facilities. The quantity of waste motor oil collected during 2015 was 192,860 litres, down by 3.1% compared to the 207,500 litres collected in 2014. The quantity of oil collected by month is shown in Table 11 with historical data over four years.

Table 11: Motor Oil Collected (Litres) 2012 through 2015

Month	2015 Litres	2014 Litres	2013 Litres	2012 Litres
January	9,775	9,375	13,630	10,166
February	6,475	4,840	10,490	13,981
March	10,745	7,730	12,125	14,539
April	23,840	24,075	18,685	23,577
May	19,925	24,140	23,780	24,730
June	20,700	20,250	23,260	19,637
July	17,790	25,215	21,795	23,395
August	17,085	17,355	20,190	17,631
September	18,975	20,030	17,035	19,832
October	17,495	20,705	21,120	20,763
November	16,860	15,240	14,950	17,670
December	13,195	12,060	10,440	11,585
Column Totals:	192,860	207,500	217,506	211,350

8 Overall Summary of Residential Diversion Quantities

8.1 Residential Waste Diversion

The following table summarizes the residential waste diversion activities detailed in this report.

Table 12: Residential Waste Diversion Activity

Residential Waste Diversion Summary	2015 Tonnes	2014 Tonnes
Net Marketed Recyclables-Table 2C	23,645	23,847
Other Recycling Programs-Table 5	6,036	6,036
Yard Waste, BYC & Mulching Blades-Table 8	27,850	27,102
MHSW Waste including Motor Oil-Table 10	612	600
Total Residential Tonnes Diverted	58,143	57,585

Table 12 Notes: Net Marketed Recyclables refer to Table 2; MHSW Wastes refer to Table 10; Other Recycling refers to Table 5; Yard waste, BYC programs & mulching blades refer to Table 8.

For further information please contact the Essex-Windsor Solid Waste Authority Hotline at 1-800-563-3377

Residential Waste Diversion 2015 Report

Cameron Wright

Manager, Waste Diversion

A handwritten signature in black ink, appearing to read 'C. Wright', written in a cursive style.

Eli Maodus

General Manager

A handwritten signature in black ink, appearing to read 'Eli Maodus', written in a cursive style.

Report prepared by:

Margaret Shires, Administrative Assistant