

WASTE AUDIT REPORT & WASTE REDUCTION WORK PLAN

Version 2018-2019

May 2020

Reporting Period: September 2018 – August 2019

Prepared for:

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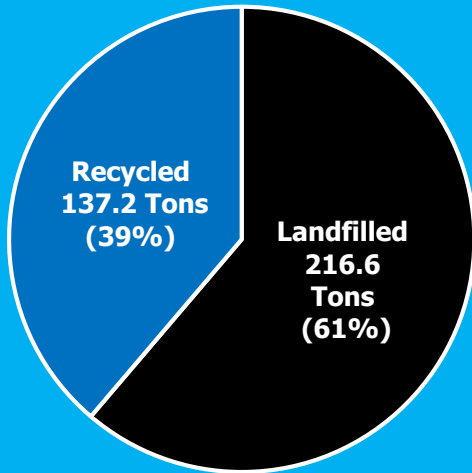
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WASTE AUDIT 2018/ 2019

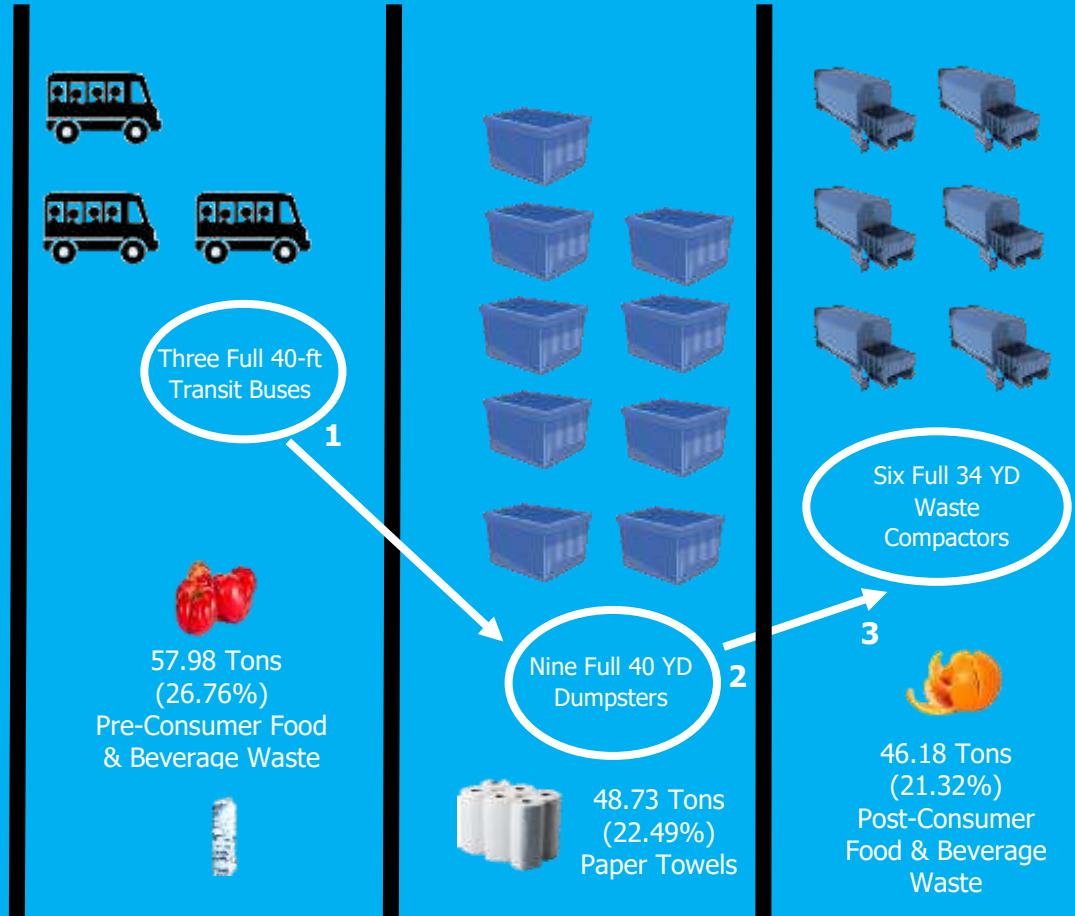
WHAT ARE WE DOING?

Campus Wide Waste Generation



39% Waste Diversion Rate

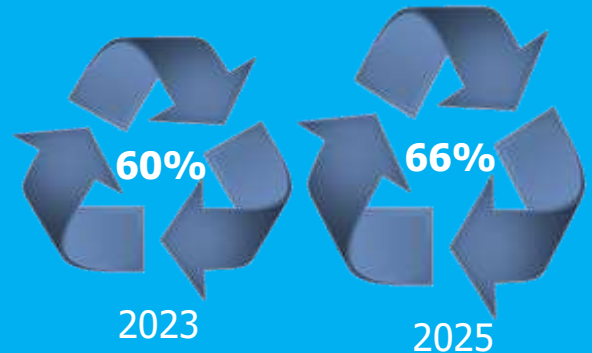
3 Highest Landfilled Generated Materials



HOW CAN WE IMPROVE?

- Implement Organics Collection Program
- Consistency in Waste Labelling
- Expand and Implement New Recycling Initiatives
- Waste & Recycling Training
- Education & Awareness

Campus Wide Waste Diversion Goal



1.0 ACKNOWLEDGEMENTS

I would like to thank all key stakeholders involved for making the 2018-2019 Waste Audit and Waste Reduction Work Plan for Lambton College a success. Due to the COVID-19 pandemic, no audit sort was able to take place this year (the audit sort was originally scheduled during the first week of March 2020). However, waste hauler information was still compiled to make this report as accurate and relevant as possible. I would like to thank certain stakeholders involved for making this audit analysis a success:

- **The Lambton College Facilities Management Department** for gathering our common waste & recycling haulage collection information; our asset surplus sale data for sold furniture and other miscellaneous multi-material items that have been diverted from landfill; and gathering of our commercial hazardous waste data.
- **The Lambton College Accounting/ Purchasing Department** for gathering our sold/ donations of electronics and other miscellaneous items.
- **The Lambton College IT Department** and **The School of Information Technology** for the gathering of recycled and refurbished electronics.
- **Xerox Global Services** for collecting information on printer and toner cartridges.
- **Aevitas Inc.** for gathering information on recycled fluorescent tube lights.
- **Call2Recycle** for gathering information on recycled batteries.
- **Trijan Recycling and Premier Recycling** for scrap metal data.
- **Sanimax** for their FOG (Fats, Oils and Grease) data.
- **Other Staff** and **External Players** responsible for uploading divertible data.

2.0 SYNOPSIS

The 2018-2019 version of Lambton College's Annual Waste Audit and Waste Reduction Work Plan is here. Situated on the traditional territory of the Ojibwe, Potawatomi and Odawa First Nations Lambton College is home to an estimated 3,500 full-time, 6,500 part-time and 500 international students; with the international student body being one of the highest growth demographics. During the waste collection period (September 1, 2018 to August 31, 2019), the calculated campus-wide waste diversion rate (adjusting for contamination) is 39%. This represents that 39% of the total weight of all waste generated at Lambton gets recycled, refurbished or redistributed instead of being sent to landfill. Ordered from lowest to highest waste diversion rates for the 7 areas audited are: Lambton INN Residence & Event Centre (20%); Skilled Trades Training Centre (23%); North Building (27%); Suncor Sustainability Centre (29%); Fire & Public Safety Centre of Excellence (St. Clair Township Site) (32%); Community Employment Services (Petrolia Site) (41%) and South Building (47%). All key performance indicators (KPIs) are based on certain assumptions to account for the growth and changes happening at the facility. Recommendations are made under the waste reduction work plan and waste management strategy and include landfill and greenhouse gas mitigation measures such as incorporating a college-wide organics collection program, encouraging the use of printing on both sides of paper and capturing more recyclables in the recycling stream. All suggestions will help align with the college's new strategic plan of 2019-2024 and other Ministry of Environment regulations and reporting documents.

3.0 INTRODUCTION

3.1 Lambton College



Address: 1457 London Road, Sarnia, ON N7S 6K4

Located in Sarnia, Ontario, Canada Lambton College is an Ontario community college that is situated on the traditional territory of the Ojibwe, Potawatomi and Odawa First Nations. These three individual Nations make up the traditional Three Fires Confederacy (10). It enrolls approximately 3,500 full-time students, 6,500 part-time students and 500 international students each year. With the international student body increasing, Lambton is producing rapid building expansion in order to keep up with student and staff demand. Enriching one of the highest student to work success rates in the country and now being considered one of the top research colleges in Canada it channels itself into seven pathways that students and staff can take to advance their levels of education:

- Business & Creative Design, Liberal Studies & English
- Community Services
- Computer Studies
- Fire Sciences
- Health Sciences
- Technology, Energy & Apprenticeship
- Online Education

The college also offers support to the community by offering services at its Community Employment Services (CES) building in Petrolia, Ontario and the Centre for Entrepreneurship located at The CUBE in South Building (main campus).

3.2 Current Waste Management Systems

3.2.1 Existing Waste Collection Programs

Internally, housekeeping staff (currently Eurest Services – a member of Compass Canada Support Services (CCSS)) is responsible for the collection, handling and disposal of common facility waste – defined as waste/ garbage/ landfill; cardboard (OCC) recycling; paper recycling and containers recycling. Areas of waste generation that they are responsible for are outlined in Table 1 (note – for outdoor waste, housekeeping personal are only responsible for waste collection up to approximately 15 feet from the building).

Furthermore, other waste items (i.e. fluorescent tube lights, batteries, hazardous waste, printer and toner cartridges, electronics, furniture, outdoor waste bins greater than 15 feet from any building, etc.) are handled, transferred and stored by various stakeholders for waste hauler collection, refurbishment and disposal.

Externally, various waste haulers collect all of the college's waste on specific schedules (see Table 2 in 4.2 for a listing of all waste hauler companies).

3.2.2 Waste Collection Schedules and Disposal Best Practices

Table 1 outlines an overview of the college frequency and storage of internal/ external waste collection on site (for waste hauler pickup).

Table 1. Internal and External Waste Collection Program

Waste Program	Internal Collection & Disposal	Collection/ Storage Areas	Internal Collection Schedules		External Waste Hauler	External Waste Hauler Schedule
			Frequency	Operating Hours		
Recycled Paper	Housekeeping staff collect and store in 0.45 cubic yard recycling totes	Multiple	1/day at least	24/hr	Waste Connections of Canada	Every Week (Wednesday)
Confidential Paper	Staff place in shred boxes	Multiple	As Needed	As Needed	Xerox - "Shred It"	On call, Monthly
Containers	Housekeeping staff collect and store in 0.45 cubic yard recycling totes	Multiple	1/day at least	24/hr	Waste Connections of Canada	Every Week (Wednesday)
OCC (Old Corrugated Cardboard)	Housekeeping staff collect and store in 6 - 8 cubic yard bins	Multiple	1/day at least	24/hr	Waste Connections of Canada	Varies by Building
Organics	Culinary students seasonally	Lambton INN	1/day at least	7:30 AM - 4:30 PM	Composted on site	N/A
Fluorescent Bulbs	During light bulbs/ fixtures replacements, Facilities Staff store in the blue box inside Shipping & Receiving	South Building	As Needed	7:30 AM - 4:30 PM	Aevitas	As Needed
Batteries	Facilities Staff collect and store in boxes. Shipped from South Building only through Xerox.	South Building; North Building (NB) and Fire Building	As Needed	8:30 AM - 4:30 PM	Call2Recycle	As Needed
Electronics	Tenants, IT, staff bring to Shipping and Receiving loading docks	South Building	As Needed	As Needed	Digital Friends; Goodwill; Phoenix Project	As Needed
Printer Cartridges and Toner Cartridges	Xerox collects and ships	South Building	As Needed	7:30 AM 4:30 PM	Xerox - exchange program	As Needed
Wood Pallets	Xerox stores in Shipping and Receiving Loading dock	South Building	As Needed	7:30 AM - 4:30 PM	Merchants Paper - Kirk*	As Needed
Hazardous/ Pharmaceutical Waste	Staff and faculty bring to Safe Storage	South Building	As Needed	8:30 AM - 4:30 PM	Ministry approved carrier RPR, Phototech Environmental, Clean Harbours, Stericycle	As Needed
Scrap Metal	Staff, Faculty and Students dispose of material in metal bins outside shops	SB; STTC	As Needed	As Needed	Trijan Industries; Premier Recycling	As Needed
Landfill	Housekeeping staff store in compactor and roll-off bins	Multiple	1-2/ day	24/hr	Waste Connections of Canada	On Call, Daily
C&D (Construction & Demolition) - Diverted	N/A	Multiple	N/A	24/hr	Multiple (i.e. Marcotte Disposal)	On Call, Daily
FOG (Fats, Oils and Grease) - Diverted	"Chartwells staff store in Sanimax bin					
Culinary students store in Sanimax bin "	South Building; Lambton INN	As Needed	7:30 AM - 4:30 PM	Sanimax	On Call, 1-3/year	
Miscellaneous (multi-material) - Diverted	Staff put in hallway across from Campus Bookstore at South Building	Multiple	As Needed	As Needed	Multiple (i.e. staff, faculty, students)	AS Needed

* As of November 2018, Merchants Paper no longer collects these.

3.3 Legislation

3.3.1 Acts

3.3.1.1 Environmental Protection Act

The Canadian Environmental Protection Act (EPA) was established in 1999 by the Government of Canada that legislated a law respecting pollution prevention and the protection of the environment and human health in order to contribute to sustainable development (8). Under the act is a list of regulations and guidelines that are required for certain Canadian organizations to comply with in order to mitigate its impacts on global climate change.

3.3.1.2 Resource Recovery and Circular Economy Act

Established in 2016, the Resource Recovery and Circular Economy Act is Ontario's strategy for a Waste-Free Ontario. It is a legislative law that creates an entire life-cycle of all waste produced that would otherwise be sent to the landfill back into the economy for recycling, refurbishing and redistributing. A strong government direction for reducing, reusing and recycling all forms of waste. See all regulations and guidelines under this act in (9).

3.3.2 Regulations

3.3.2.1 O. Reg. 102/ 94 Waste Audits and Waste Reduction Work Plans

An Ontario regulation made under the Environmental Protection Act that requires 10 organization types to develop a quantitative analysis of its waste generated on-site, to measure and calculate key performance indicators and provide suggestions and recommendations for a facility to reduce, reuse and recycle its waste. These reports must be kept on file for at least five years for the Ministry of Environment to review if required. The 10 organizations involved are: retail shopping establishments; retail shopping complexes; large construction projects; large demolition projects; office buildings; restaurants; hotels and motels; hospitals; educational institutions; and large manufacturing establishments (7).

3.3.2.2 O. Reg. 103/94 Industrial, Commercial and Institutional Source Separation Programs

An Ontario regulation that addresses a list of materials that need to be sorted and diverted from landfill for 11 organization types to reduce, reuse and recycle their waste. It is a requirement under O. Reg. 102/94 Waste Audits and Waste Reduction Work Plans. The 11 organizations involved are: retail shopping establishments; retail shopping complexes; large construction projects; large demolition projects; office buildings; multi-unit residential buildings; restaurants; hotels and motels; hospitals; educational institutions; and large manufacturing establishments (6).

4.0 METHODOLOGY

4.1 Buildings Audited

A total of seven buildings and/or campuses were analyzed and audited for this report. A description of each location (i.e. program offerings, room types, square footage, year built, etc.) are described below.

4.1.1 South Building



Address: 1457 London Road, Sarnia, ON N7S 6K4

South Building is Lambton College's main campus. With the new 100,000 square foot addition of the HRAC (Health Research and Athletic Complex) and additional 7,000 square foot addition to the Centre of Excellence, this building spans over 460,000 square feet of classroom, athletic, office, cafeteria and other spaces that allow for an excellent student and staff experience. For a listing of available room types please see Table 4-B in Appendix B.

4.1.2 North Building



Address: 1431 London Road, Sarnia, ON N7S 1P6

The North Building is home to the Ontario Early Years Centre (OEYC), the Early Childhood Education (ECE) program, Corporate Training Centre, Faculty Offices and the Marketing Department (See Table 5-B in Appendix B for listing of all room types). This building covers approximately 33,400 square feet.

4.1.3 Lambton INN Residence & Event Centre



Address: 1485 London Road, Sarnia, ON N7S 1P6

The Lambton INN Residence & Event Centre is home to Lambton's only student residence, the culinary program and various fine dining and ballroom events (see Table 6-B in Appendix B for a full list of room types). This building covers almost 113, 000 square feet and is the second largest building on campus.

4.1.4 Fire & Public Safety Centre of Excellence



Address: 459 Lasalle Line 26, St. Clair Township, ON N0N 1G0

The Fire & Public Safety Centre of Excellence (FPSCE) building is home to the fire sciences technology program. It contains about 26,000 square feet of building space in two stories with mixed office, washroom, cafeteria and other space (see Table 7-B in Appendix B for a listing of all room types). A holding pond is used for water resources for the fire line training whereby a fire building simulation is used during class periods.

4.1.5 Skilled Trades Training Centre



Address: 1485 London Road BLDG "A", Sarnia, ON N7S 1P6

The Skilled Trades Training Centre (STTC) building is a mixture of office space and skilled training shops including a carpentry shop, welding shop and a new HVAC lab. Encompassing over 23, 000 square feet of operational space on a 1-story makes it a unique space for students to train for various skilled labour licenses and certificates (see Table 8-B in Appendix B for a listing of all room types).

4.1.6 Suncor Sustainability Centre



Address: 1489 London Road Unit A, Sarnia, ON N7S 1P6

The Suncor Sustainability Centre (SSC) is office space designed for Lambton's applied research & innovation centre. The Sarnia-Lambton Environmental Association (SLEA) leases two offices and the Community Awareness Emergency (CAER) leases one office inside the SSC. In addition, part of the building is leased by the Industrial Educational Cooperative (IEC) but they manage their own waste. The entire building (including the IEC) is 1-storey and contains almost 4,000 square feet of operational space (please see Table 9-B in Appendix B for a full list of room types. Note – offices and kitchen were combined in the hallway room type sort).

4.1.7 Community Employment Services



Address: 4248 Oil Heritage Rd Unit 2, Petrolia, ON N0N 1R0

Lambton College's Community Employment Services (CES) building is located at its Petrolia site. It is a one storey building that spans 7,000 square feet and is home to a few Lambton College staff as well as the local communities to use as a source for finding employment (see Table 10-B in Appendix B for a full listing of room types).

4.2 Haulage Data

4.2.1 Waste Hauler Organizations

Table 2 outlines the current waste haulers involved for the facility's waste management operations.

Table 2. Current Waste Hauler Companies at Lambton College

Waste Hauler Company	Materials Collected	Buildings Collected from		Drop-Box Locations		
Call2 Recycle	Batteries	SB		SB	NB	FPSCE
Aevitas	Flourescent Tube Lights	SB		SB		
Trijan Recycling	Scrap Metal	SB		SB		
Premier Recycling	Scrap Metal	STTC		STTC		
Lambton College Health & Safety	Hazardous Waste	SB	FPSCE			
Stericycle ULC	Hazardous Waste	SB	FPSCE			
RPR Environmental Inc.	Hazardous Waste	SB	FPSCE			
Provincial Environmental Services Inc.	Hazardous Waste	SB	FPSCE			
Daniels SharpSmart Canada Ltd.	Hazardous Waste	SB	FPSCE			
Marcotte Disposal	Construction and Demolition (C&D)	Varies		Varies		
Lambton College	Organics	LI		LI		
Shred-IT/ Stericycle	Confidential Paper Recycling	SB				
Digital Friends; Lambton College IT Personnel; Lambton College Purchasing Department; Facilities Asset Disposal Surplus Sale; Lambton College Student-Run Phoenix Project	E-Waste/ furniture	SB				
XEROX	Printer Cartridges and Toner Cartridges	SB				
Merchants Paper	Wooded Pallets	SB				
Waste Connections of Canada	Commingled Recycling	SB, NB, STTC, SSC, LI, FPSCE		Varies		
Waste Connections of Canada	Containers Recycling	SB, NB, STTC, SSC, LI, FPSCE		Varies		
Waste Connections of Canada	Paper Recycling	SB, NB, STTC, SSC, LI, FPSCE		Varies		
Waste Connections of Canada	OCC (Old Corrugated Cardboard)	Varies		Varies		
Waste Connections of Canada	Landfill Waste	Varies		Varies		
Sanimax	FOG (Fats, Oils and Grease) - Diverted	SB	LI	SB	LI	

SB - South Building

LI - Lambton INN Residence & Event Centre

FPSCE - Fire & Public Safety Centre of Excellence

STTC - Skilled Trades Training Centre

NB - North Building

SSC – Suncor Sustainability Centre

Varies – multiple buildings across multiple campuses. Changes happening constantly.

4.3 Waste Audit Sort

4.3.1 Scheduled Dates and Locations

Due to the COVID-19 pandemic, Lambton College cancelled classes on Monday, March 2, 2020. An audit sort taking place during the month of March would have been too low to be well-represented and extrapolated for this report. Thus, sorting data from last year's WA & WRWP (2017-2018) was used in the analysis. If the pandemic was not occurring, the waste collection period would have followed Table 3 below.

Table 3. Waste Collection Period (Scenario ONLY)

Day	Waste Generation Date				Hours	Drop-Off Location (s)	Sorting Locations Audited	Sorting Locations Address	Drop-Off Address
	From		To						
	Time	Date	Time	Date					
1	6:00 AM	Monday March 23, 2020	6:00 AM	Tuesday, March 24, 2020	24.0	South Building S & R (B0-108)	South Building Block A and B	1457 London Road Sarnia, ON N7S 6K4	1457 London Road Sarnia, ON N7S 6K4
2	6:00 AM	Tuesday, March 24, 2020	6:00 AM	Wednesday, March 25, 2019	24.0	South Building S & R (B0-108)	South Building Block C, D, E	1457 London Road Sarnia, ON N7S 6K4	1457 London Road Sarnia, ON N7S 6K4
2	6:00 AM	Tuesday, March 24, 2020	6:00 AM	Wednesday, March 25, 2019	24.0	South Building S & R (B0-108)	South Building Outdoors	1457 London Road Sarnia, ON N7S 6K4	1457 London Road Sarnia, ON N7S 6K4
3	6:00 AM	Wednesday, March 25, 2019	6:00 AM	Thursday, March 26, 2020	24.0	South Building S & R (B0-108)	Lambton INN Training Centre	1485 London Road Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4
3	6:00 AM	Wednesday, March 25, 2019	6:00 AM	Thursday, March 26, 2020	24.0	South Building S & R (B0-108)	Lambton INN Residence	1485 London Road Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4
3	6:00 AM	Wednesday, March 25, 2019	6:00 AM	Thursday, March 26, 2020	24.0	South Building S & R (B0-108)	North Building	1431 London Road Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4
3	6:00 AM	Wednesday, March 25, 2019	6:00 AM	Thursday, March 26, 2020	24.0	South Building S & R (B0-108)	STTC (Skilled Trades Training Centre)	1485 London Road Building A Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4
4	6:00 AM	Thursday, March 26, 2020	6:00 AM	Friday, March 27, 2020	24.0	South Building S & R (B0-108)	CES (Community Employment Services) Petrolia	4248 Oil Heritage Road Petrolia, ON N0N 1R0	1457 London Road Sarnia, ON N7S 6K4
4	6:00 AM	Thursday, March 26, 2020	6:00 AM	Friday, March 27, 2020	24.0	South Building S & R (B0-108)	Fireschool Building	459 Lasalle Line St. Clair Township, ON N0N 1G0	1457 London Road Sarnia, ON N7S 6K4
4	6:00 AM	Thursday, March 26, 2020	6:00 AM	Friday, March 27, 2020	24.0	South Building S & R (B0-108)	ITC (Industrial Training Centre)	463 Lasalle Line 26 St. Clair Township, ON N0N 1G0	1457 London Road Sarnia, ON N7S 6K4
4	6:00 AM	Thursday, March 26, 2020	6:00 AM	Friday, March 27, 2020	24.0	South Building S & R (B0-108)	Baking Lab Trailer (Lambton INN)	1485 London Road Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4
4	6:00 AM	Thursday, March 26, 2020	6:00 AM	Friday, March 27, 2020	24.0	South Building S & R (B0-108)	Suncor Sustainability Centre	1489 London Road Unit A Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4
4	6:00 AM	Thursday, March 26, 2020	6:00 AM	Friday, March 27, 2020	24.0	South Building S & R (B0-108)	Sustainable Smarthouse	1489 London Road Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4

Table 4 below shows the scenario ONLY scheduled working hours, locations and sites audited while conducting the 4-day auditing sort from a 24-hour waste generation period from Monday, March 23, 2020 to Thursday, March 26, 2020.

TABLE 4. WORK SORTING DATES/TIMES/LOCATIONS (Scenario ONLY)

Date		Sorting Time			Hours	Sorting Location (s)	Sorting Locations Audited	Sorting Locations Address	Drop-Off Address
Day	From	To	From	To					
1	Monday March 23, 2020	Tuesday, March 24, 2020	5:30 PM	2:30 AM	8.0	South Building Shipping and Receiving (B0-108)	South Building Block A and B	1457 London Road Sarnia, ON N7S 6K4	1457 London Road Sarnia, ON N7S 6K4
2	Tuesday, March 24, 2020	Wednesday, March 25, 2019	5:30 PM	2:30 AM	8.0	South Building Shipping and Receiving (B0-108)	South Building Block C, D and E	1457 London Road Sarnia, ON N7S 6K4	1457 London Road Sarnia, ON N7S 6K4
2	Tuesday, March 24, 2020	Wednesday, March 25, 2019	5:30 PM	2:30 AM	8.0	South Building Shipping and Receiving (B0-108)	South Building Outdoors	1457 London Road Sarnia, ON N7S 6K4	1457 London Road Sarnia, ON N7S 6K4
3	Wednesday, March 25, 2019	Thursday, March 26, 2020	5:30 PM	2:30 AM	8.0	South Building Shipping and Receiving (B0-108)	Lambton INN Training Centre	1485 London Road Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4
3	Wednesday, March 25, 2019	Thursday, March 26, 2020	5:30 PM	2:30 AM	8.0	South Building Shipping and Receiving (B0-108)	Lambton INN Residence	1485 London Road Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4
3	Wednesday, March 25, 2019	Thursday, March 26, 2020	5:30 PM	2:30 AM	8.0	South Building Shipping and Receiving (B0-108)	North Building	1431 London Road Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4
3	Wednesday, March 25, 2019	Thursday, March 26, 2020	5:30 PM	2:30AM	8.0	South Building Shipping and Receiving (B0-108)	STTC (Skilled Trades Training Centre)	1485 London Road Unit A Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4
4	Thursday, March 26, 2020	Thursday, March 26, 2020	5:30 PM	7:30PM	2.0	South Building Shipping and Receiving (B0-108)	CES (Community Employment Services) Petrolia	4248 Oil Heritage Road Petrolia, ON N0N 1R0	1457 London Road Sarnia, ON N7S 6K4
4	Thursday, March 26, 2020	Thursday, March 26, 2020	8:00PM	11:00PM	3.0	South Building Shipping and Receiving (B0-108)	Fireschool Building	459 Lasalle Line St. Clair Township, ON N0N 1G0	1457 London Road Sarnia, ON N7S 6K4
4	Thursday, March 26, 2020	Thursday, March 26, 2020	8:00PM	11:00PM	3.0	South Building Shipping and Receiving (B0-108)	ITC (Industrial Training Centre)	463 Lasalle Line 26 St. Clair Township, ON N0N 1G0	1457 London Road Sarnia, ON N7S 6K4
4	Thursday, March 26, 2020	Friday, March 27, 2020	11:30PM	1:30AM	2.0	South Building Shipping and Receiving (B0-108)	Baking Lab Trailer(Lambton INN)	1485 London Road Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4
4	Thursday, March 26, 2020	Friday, March 27, 2020	11:30PM	1:30AM	2.0	South Building Shipping and Receiving (B0-108)	Suncor Sustainability Centre	1489 London Road Unit A Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4
4	Thursday, March 26, 2020	Friday, March 27, 2020	11:30PM	1:30AM	2.0	South Building Shipping and Receiving (B0-108)	Sustainable Smarthouse	1489 London Road Sarnia, ON N7S 1P6	1457 London Road Sarnia, ON N7S 6K4
5	Friday, March 27, 2020	Friday, March 27, 2020	12:30PM	4:30PM	4.0	Work at main office	Work at main office	1457 London Road Sarnia, ON N7S 6K4	1457 London Road Sarnia, ON N7S 6K4
Total Works Worked					35				

4.3.2 Sorting Categories

For the 4-day audit sort (scenario ONLY), 44 sorting categories were identified to organize the waste data. Information on where each material belongs (recycling or landfill) can be found on the City of Sarnia website which dictates the various waste streams (4). See Table 5 below for the 44 sorting categories and their associated waste streams.

Table 5. Sample of a Waste Sorting Sheet

Sorting Date/ Time	Location		Stream	Recyclable On Campus
	Day Totals (Kg)	Day Totals (Kg)		
Sorting Item			Sorting	Recyclable
Office Paper			Paper	YES
Newspaper and Mixed Paper			Paper	YES
Boxboard			Paper	YES
Molded Pulp Containers			Paper	YES
Cardboard (OCC)			Paper	YES
Polycoat/Aseptic Containers			Containers	YES
#1 (PET)			Containers	YES
#2 (HDPE)			Containers	YES
#3 (PVC)			Containers	YES
#4 (LDPE)			Containers	YES
#5 (PP)			Containers	YES
#6 (PS)(Rigid)			Containers	YES
#7 (Other)			Containers	YES
Food and Beverage Cans			Containers	YES
Food and Beverage (Clear and Coloured) Glass			Containers	YES
Office Supplies (Recyclable)			Containers	YES
Paper Towels			Landfill	NO
Paper Cups			Landfill	NO
Coffee Cups			Landfill	NO
Non-Recyclable Paper			Landfill	NO
Loose Film Bags (#4)			Landfill	NO
Laminated Film			Landfill	NO
Other Plastic			Landfill	NO
Other Glass			Landfill	NO
Other Metal			Landfill	NO
Pre-Consumer Food and Beverage			Landfill	NO
Post-Consumer Food and Beverage			Landfill	NO
Wood Pallets			Landfill	NO
Other Wood			Landfill	NO
Electronics			Landfill	NO
Cartridges			Landfill	NO
Construction and Demolition			Landfill	NO
Office Supplies (Reusable)			Landfill	NO
Unclassified			Landfill	NO
Washroom Waste			Landfill	NO
Textiles			Landfill	NO
Batteries			Landfill	YES
Fluorescent Bulbs			Landfill	YES
Other hazardous Waste			Landfill	YES
Leaf and Yard Waste			Landfill	NO
#6 (PS) (Expanded Foam)			Landfill	NO
Coffee Cups			Landfill	NO
Fountain Cups			Landfill	NO

4.4 Key Performance Indicators (KPIs)

Key performance indicators were used in this report to help the college establish a baseline and compare quantitative measures to previous waste audits. The KPIs used in this report are outlined and defined below.

- 1) **Waste Diversion Rate:** an equation that calculates the proportion of waste (expressed as a weight in kg or metric tons) that gets redirected or diverted from landfill/ residual divided by the total weight of the waste generated at the facility; expressed as a percentage.

Waste Diversion Rate (%)

$$= \frac{\text{sum of all waste materials recycled, composted, reused and/or refurbished}}{\text{sum of all waste materials generated}} \times 100\%$$

- 2) **Capture Rate:** The proportion of the mass of eligible divertible materials that are successfully diverted from landfill relative to the total amount of divertible materials that are generated at the facility; expressed as a percentage.

Capture Rate (%)

$$= \frac{\text{sum of all waste materials recycled, composted, reused and refurbished correctly}}{\text{sum of all waste materials that are eligible for recycling, composting, reusing and/or refurbished}} \times 100\%$$

- 3) **Waste Generation:** The amount of waste accumulated and consumed at the facility; expressed in weighted units (kg or tons).
- 4) **Waste Generation Intensity:** The weight of waste generated per unit area per building; expressed in kg/ square footage / year.

Waste Generation Intensity (mass / unit area/ unit of time)

$$= \frac{\text{sum of all waste materials generated}}{\text{total building area (square feet)}}$$

- 5) **Contamination Rate:** the amount of waste that gets placed in landfill divertible waste streams (i.e. recycling, composting, reuse programs, refurbishing programs) but is incorrectly sorted. Examples include food waste placed in the Glass, Cans and Plastic Containers recycling stream.

5.0 ASSUMPTIONS AND LIMITATIONS

This waste audit report and waste reduction work plan is based on a sample size of a one full-day cycle (24-hour) waste generation period for all buildings located in Lambton County. Table 3 describes the sample size and collection period in greater detail.

See a list below for limitations to this study:

Weather: changes in weather patterns can cause various changes in behaviors towards waste generated on site (i.e. extreme cold weather or stormy events may cause classes to be cancelled and thus less volume of people at the facility during the waste audit period).

Enrollment: with significant growth in building square footage student and staff enrollment could change drastically as a result. This is positively correlated with waste generation (i.e. as enrollment increases so does waste generation).

Sorting dates: the scheduled sorting dates were supposed to take place from Monday to Thursday that represented a typical full class and work schedule week. However, it did not consider the amount of events (internally and externally) that may have occurred during the waste sorting period. Due to the global spread of the COVID-19 virus, the college decided to close its facilities on Monday, March 16, 2020. Therefore, no waste audit sort could take place. The proposed scheduled for the audit sort would have taken place according to Table 4 on page 12.

Global Pandemic: A global pandemic could significantly influence the waste audit results, especially when it comes to waste stream composition. The coronavirus called COVID-19 led to the shutdown of the entire college facility on Monday, March 16, 2020. Since the audit sort did not take place during this time, a sample size to reflect the current waste and recycling stream compositions in the common areas of the buildings could not be completed.

Hauler and Sorting Calculations: outside of waste sent to be landfilled, hauler calculated weights are unit averages based on research and so may not reach 100% accuracy. But in turn they are well characterized of the total waste diverted at the facility. The 24-hour waste generation sorting days were extrapolated to 346 days – the average number of days the college is open each year.

Waste Generation Period: this report represents waste generated between September 1, 2018 and August 31, 2019. Based on timing and project scope completion this is an ideal waste audit case when conducting waste audit reports. In addition, starting the audit period in September is ideal for educational institutions because it normally represents the start of a new academic term for full-time students.

Fixed Building Area, Room Types and Room Locations: the audit assumes that square footages, quantities and types of rooms were constant throughout this report. There can be much variability in room changes that were caused by growth, changes in occupations, deferred maintenance and other factors which is unpredictable to determine on an annual basis.

Asset Disposal Surplus Sale: due to the college closure in March, the 2017-2018 asset surplus sale had to be used on the haulage data. This data is not transferred electronically.

6.0 RESULTS

The tables and figures in this section outline quantitative characteristics of waste generated and diverted at the facility.

6.1 Waste Generation Summary

Figure 1 below shows the annual waste generations for the seven buildings audited categorized by six waste streams:

- Recycled Paper
- Recycled Containers
- Recycled OCC (old corrugated cardboard)
- Recycled Organics
- Recycled Other Materials
- Landfilled

Note that the Campus Wide figure is the sum of the seven figures. The figure is also designed with the highest waste generated buildings at the top left and the lowest waste generated buildings in the bottom right. As read (highest waste generated buildings to lowest waste generated buildings):

- South Building
- North Building
- Lambton INN Residence & Event Centre
- Fire & Public Safety Centre of Excellence (St. Clair Township site)
- Skilled Trades Training Centre
- Suncor Sustainability Centre
- Community Employment Services (Petrolia site)

Table 6 shows the 16 waste categories for the seven building audited sites, adjusting for contamination. Table 1-B is shown in Appendix B and reveals what the waste diversion rate would have been if the diverted waste streams had zero contamination in them. Overall, contamination was low and represented a drop in waste diversion by 1%.

Figure 1. Annual Waste Generation for 7 Lambton College Locations (Tons/ Year)

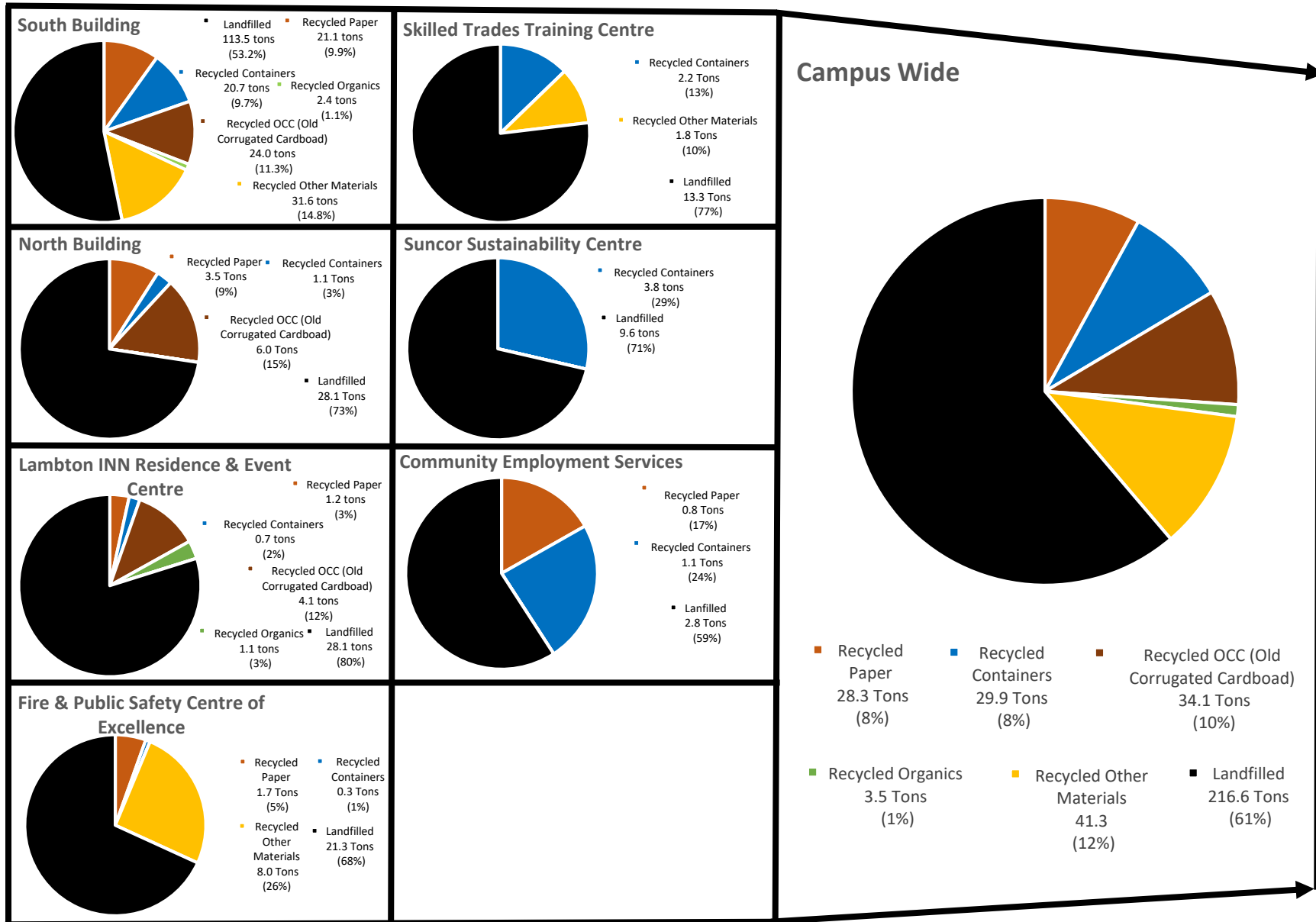


Table 6 Annual Waste Haulage Records for Lambton College by Campus Site (generated from September 1, 2018 to August 31, 2019) (adjusting for contamination)

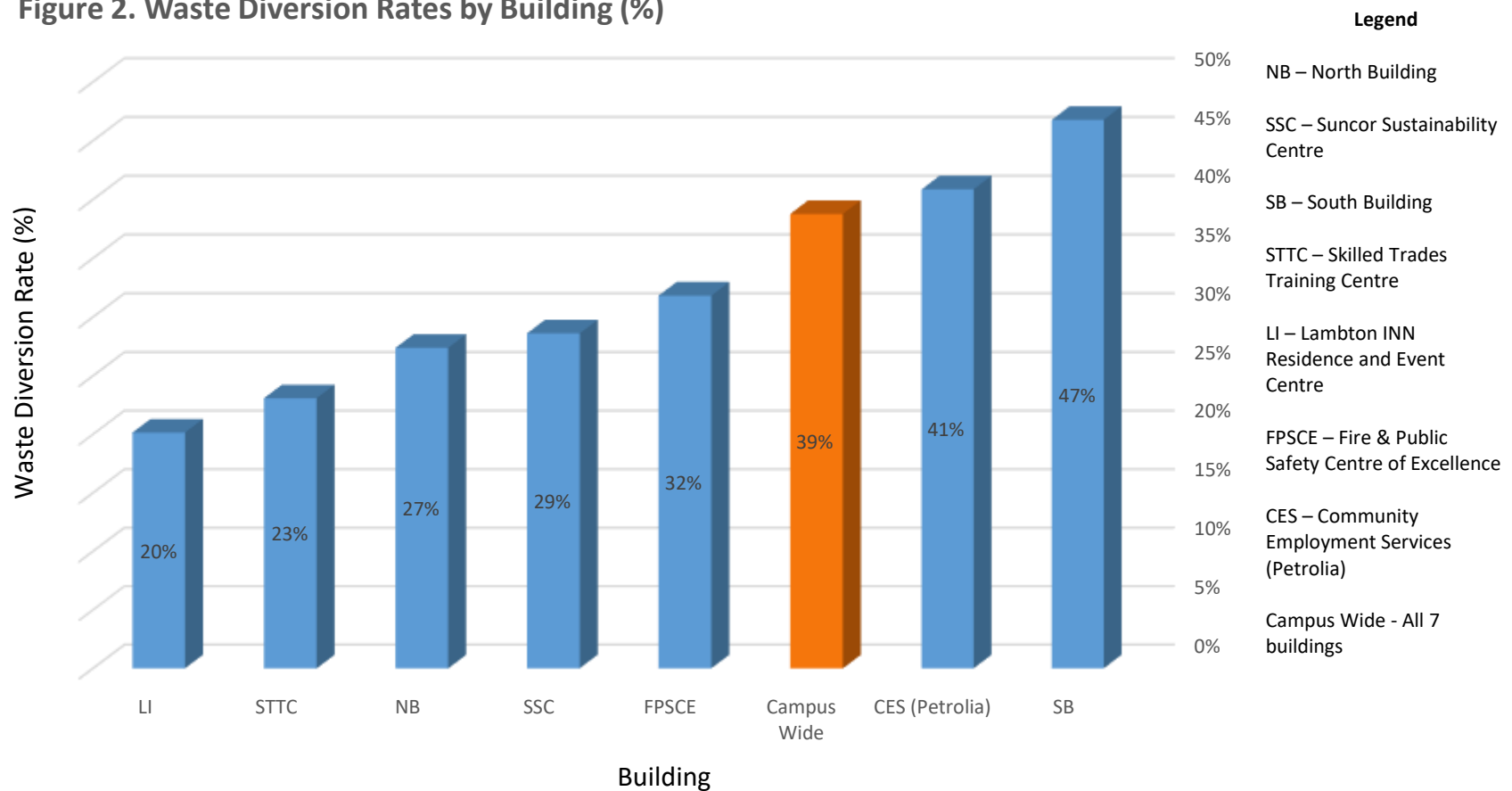
Waste Material	Annual Haulage Records (Adjusting for Contamination) (MT)										Total
	LI	SB	SSC	STTC	CES	FS	ITC	NB	SH	Western (BTAC)	
Recycled Paper	1.21	17.50	0.00	0.00	0.80	1.70	0.00	3.50	0.00	0.00	24.71
Confidential Paper	0.00	3.60									3.60
Containers	0.67	20.72	3.83	2.21	1.14	0.25	0.00	1.10	0.00	0.00	29.94
OCC (Old Corrugated Cardboard)	4.08	24.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	34.08
Organics	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86
Flourescent Bulbs	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32
Batteries	0.00	0.10	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.12
Electronics	0.00	4.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.39
Printer Cartridges and Toner Cartridges	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70
Wood Pallets	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
Hazardous Waste	0.00	1.16	0.00	0.00	0.00	7.96	0.00	0.00	0.00	0.00	9.12
Scrap Metal	0.00	24.63	0.00	1.78	0.00	0.00	0.00	0.00	0.00	0.00	26.41
Landfill	28.13	113.46	9.56	13.28	2.81	21.26	0.00	28.13	0.00	0.00	216.64
C&D (Construction & Demolition) - Diverted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FOG (Fats, Oils and Grease) - Diverted	0.28	2.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.65
Miscellaneous (multi-material) - Diverted	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
Total	35.24	213.23	13.39	17.27	4.75	31.18	0.00	38.75	0.00	0.00	353.81

6.2 Waste Diversion Rates

Figure 2 below outlines the waste diversion rates for the seven buildings audited and compares that to the campus wide waste diversion rate.

Here, we see that five buildings (Lambton INN Residence & Event Centre, Skilled Trades Training Centre, North Building, Suncor Sustainability Centre and Fire & Public Safety Centre of Excellence) were below the campus average whereas two buildings (Community Employment Services and South Building) were above.

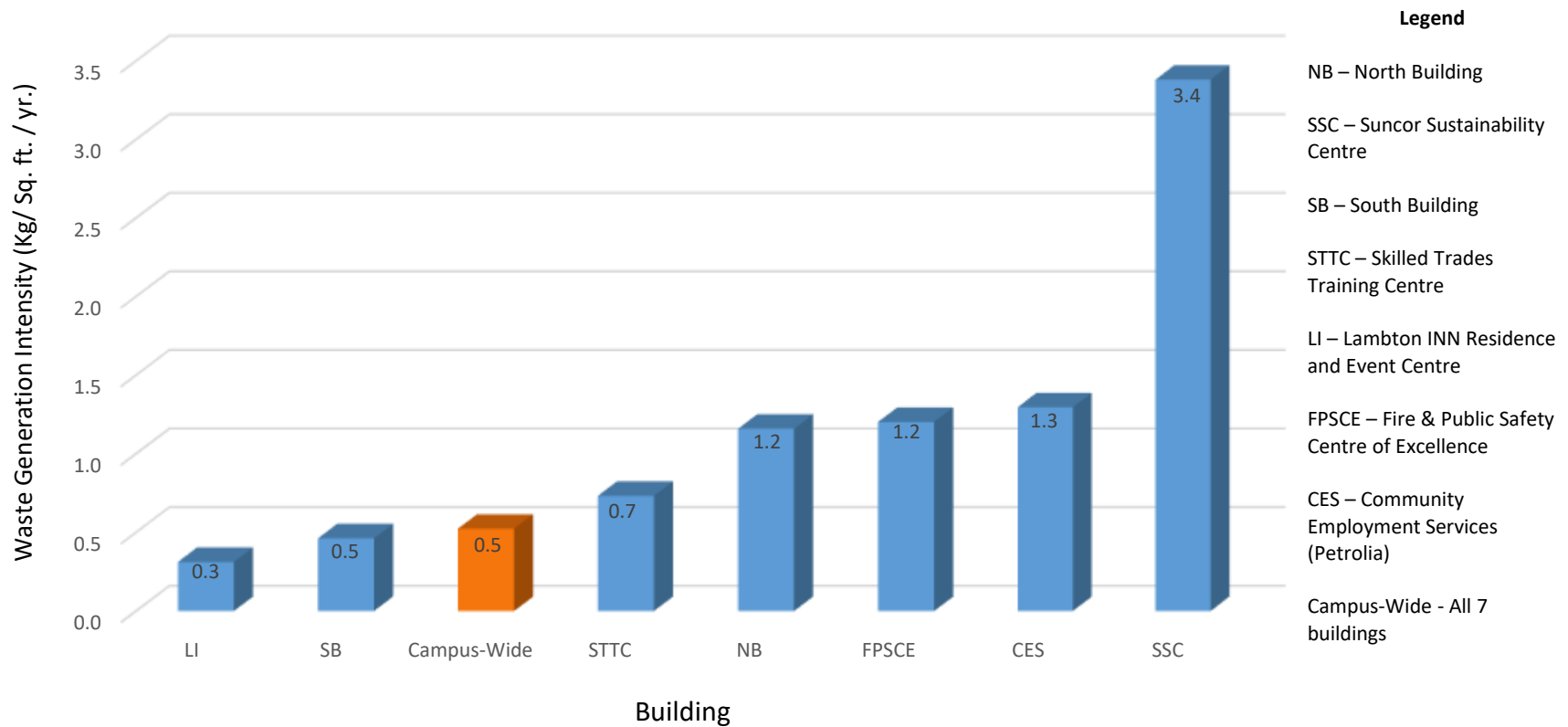
Figure 2. Waste Diversion Rates by Building (%)



6.3 Waste Generation Intensities

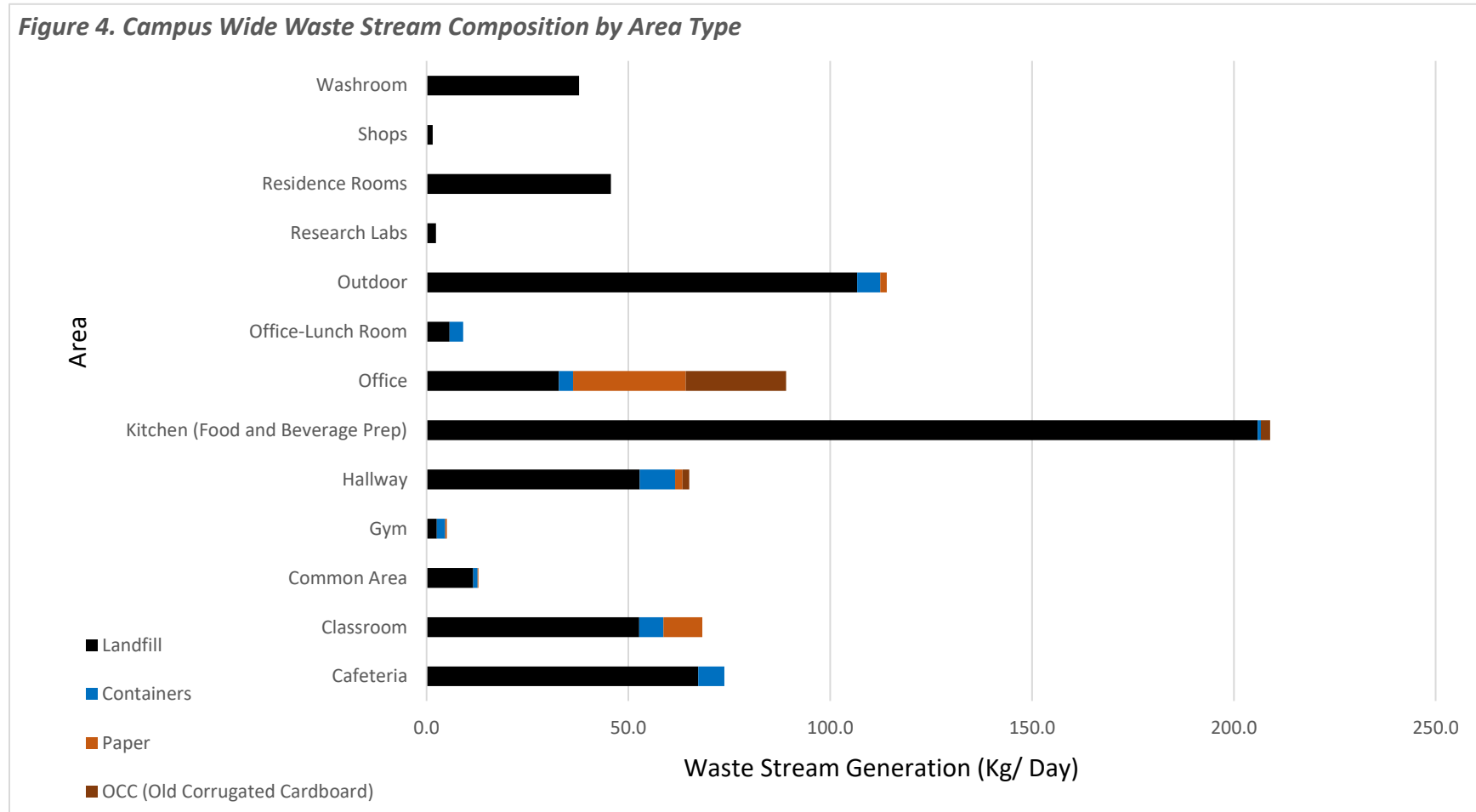
Figure 3 below outlines waste generation intensities for the seven buildings audited and compares that to the campus wide waste generation intensity. Here, we see that two buildings (Lambton INN Residence & Event Centre and South Building) have lower waste generated intensities compared to the other five buildings (Skilled Trades Training Centre, North Building, Fire & Public Safety Centre of Excellence, Community Employment Services and Suncor Sustainability Centre) that are higher than the campus average.

Figure 3. Campus-Wide Waste Generation Intensities by Building (Kg/ Sq. ft./yr)



6.4 Waste Generation Areas

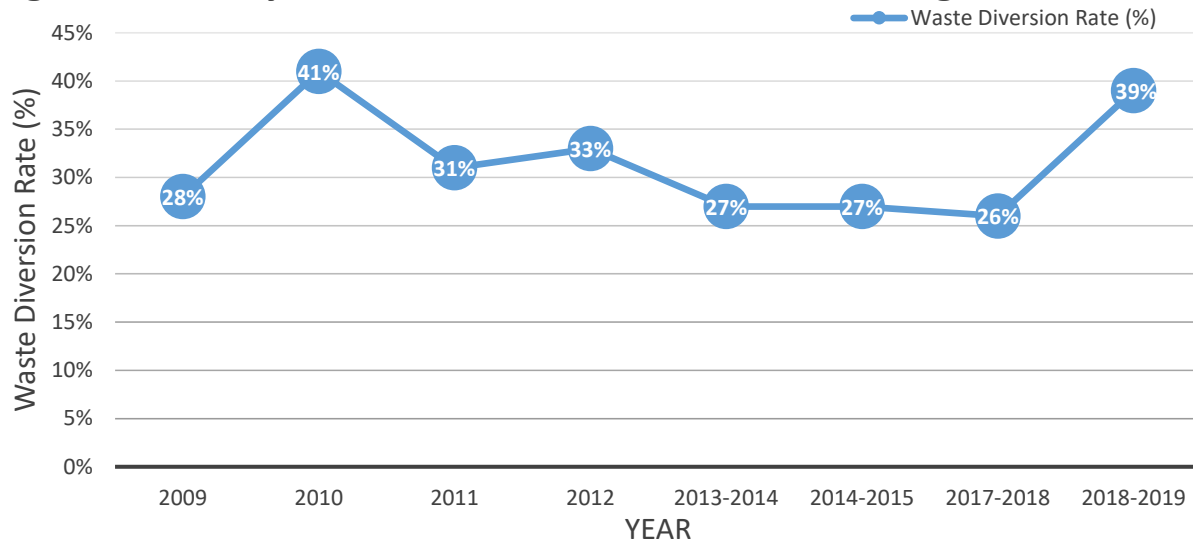
Figure 4 below shows the gross waste generation by the thirteen waste generated areas addressed and is based on the waste audit sort only (note: the waste audit sort data is from the 2017-2018 WA & WRWP as stated in Section 5). Here, we see that the waste generated in kitchens exceeds all other areas and shops (i.e. welding, construction, machine, etc.) are the least generated areas of waste.



6.5 Waste Diversion History

Figure 5 below shows the history of waste diversion at Lambton College from 2009 to 2018-2019. Of the years audited, 2010 posed to have the highest waste diversion rate (41%) whereas this year's report marks the second highest (39%). Significant differences between year 2010 and the other years was also noted.

Figure 5. History of Waste Diversion at Lambton College



6.6 Waste Generation Per Capita

Table 7 below outlines the estimated student and staff population of Lambton College during the waste auditing period. An estimated 8,341 staff, faculty and students attended Lambton College. On average, each college enrolled (student and/or employee) individual in Lambton College generated < 1 (0.12) kg per day.

**Table 7. Estimated Staff and Student Population during Waste Audit Period
(September 1, 2018 to August 31, 2019)**

Year	2018	2019	2019	2018-2019
Semester	Fall	Winter	Spring	FTE (Full-Time Equivalent) Total
Population Category				
Domestic Full Time Students	2,448	2,192	329	3,873
Domestic Part Time Students	137	209	63	305
Apprentice	124	164	18	224
International Full Time	979	998	535	2,013
International Part Time	11	24	18	41
Domestic Contract Training	17	39	9	46
International Contract Training	363	30	222	600
Domestic Academic Upgrading	165	163	150	397
International Academic Upgrading		0	0	0
Full Time Staff				359
Part Time Staff				484
Total	4,244	3,819	1,344	8,341

6.7 Greenhouse Gas Reductions

Lambton College's waste diversion rate of 39% (campus wide) reveals that approximately 137.17 metric tons are diverted from landfill. This represents, on average, a reduction in its greenhouse gas emissions by 403 metric tons of CO_2 (carbon dioxide) equivalent per year or removing 87 passenger vehicles off the road (1, 2).

7.0 WASTE REDUCTION WORK PLAN

Figures 6-13 outline how the facility can improve on its waste diversion efforts and other KPIs. Please note that all opportunities to divert more from landfill include up to 100% capture rates for all paper and containers recyclables, followed by implementing an organics collection composting program for both internal (kitchen pre-consumed food and beverage waste) and external (post-consumed food and beverage waste) staff and students. Waste reduction/diversion plans are associated with improving waste diversion rates for each building and are outlined below (based on figures 6-13):

- **Campus Wide:** Improve waste diversion from 39% to 73% (Figure 6)
- **South Building:** Improve waste diversion from 47% to 77% (Figure 7)
- **North Building:** Improve waste diversion from 27% to 55% (Figure 8)
- **Lambton INN Residence & Event Centre:** Improve waste diversion from 20% to 82% (Figure 9)
- **Fire & Public Safety Centre of Excellence (St. Clair Township Site):** Improve waste diversion from 40.7% to 78.2% (Figure 10)
- **Skilled Trades Training Centre:** Improve waste diversion from 23% to 37% (Figure 11)
- **Suncor Sustainability Centre:** Improve waste diversion from 29% to 69% (Figure 12)
- **Community Employment Services (Petrolia Site):** Improve waste diversion from 41% to 80% (Figure 13)

It has been encouraged that Lambton College establish a campus-wide diversion rate of **66%** over a 5-year plan. This goal will also contribute in part to the college's greenhouse gas reduction road map and action plan (GHG RRAP).

Please see Appendix C below for a listing of all Ministry of the Environment Waste Forms that are required under O. Reg. 102/94. These provide a comprehensive breakdown of waste materials diverted and opportunities to divert under Table VII (pg. 85).

Figure 6. Campus Wide Waste Diversion and Opportunity for Diversion Improvement

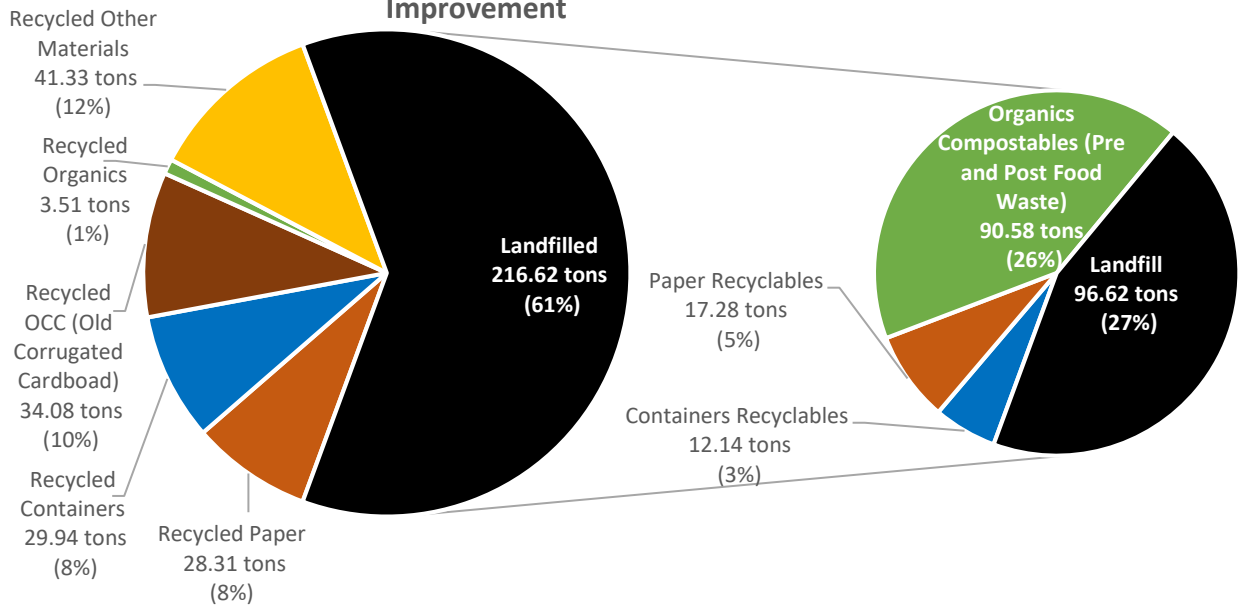


Figure 7. South Building Waste Diversion and Opportunity for Diversion Improvement

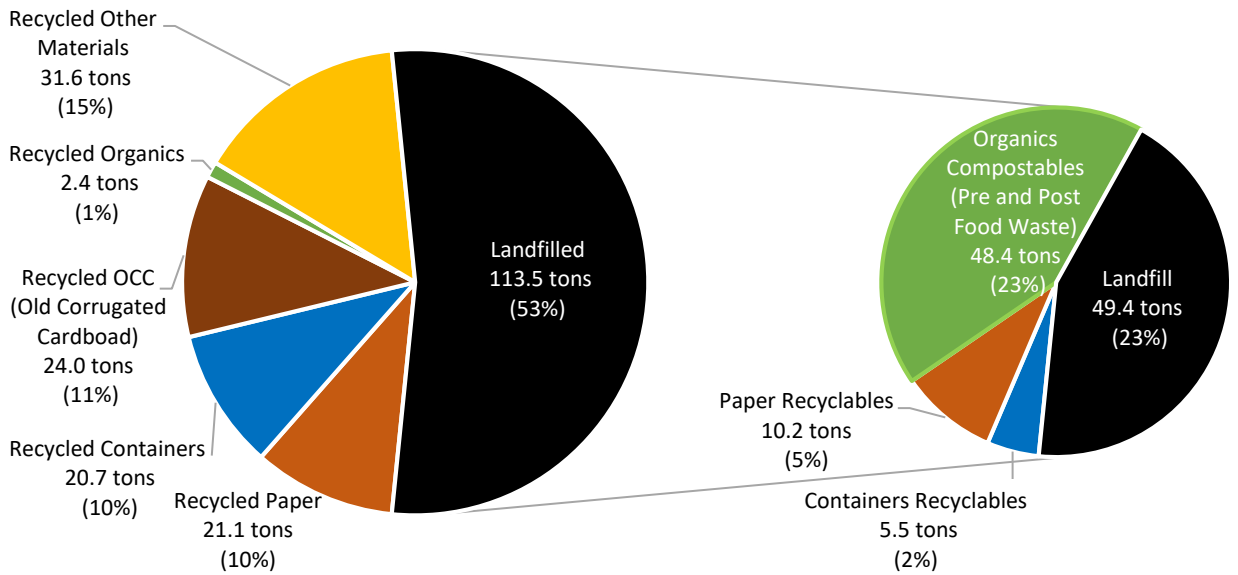


Figure 8. North Building Waste Diverison and Opportunity for Diversion Improvement

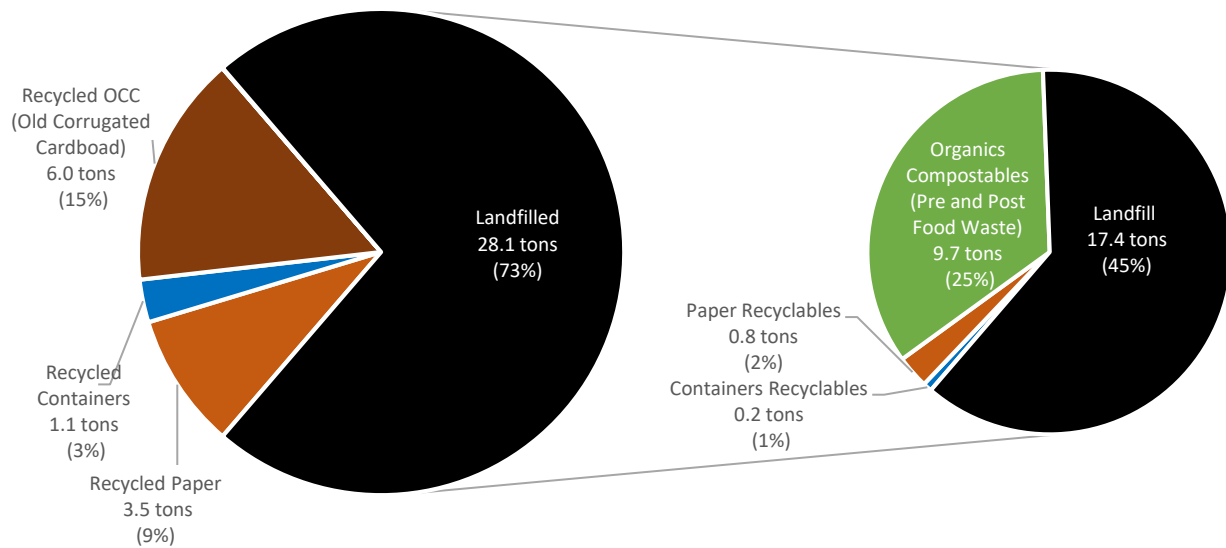


Figure 9. Lambton INN Residence & Event Centre Waste Diversion and Opportunity for Diversion Improvement

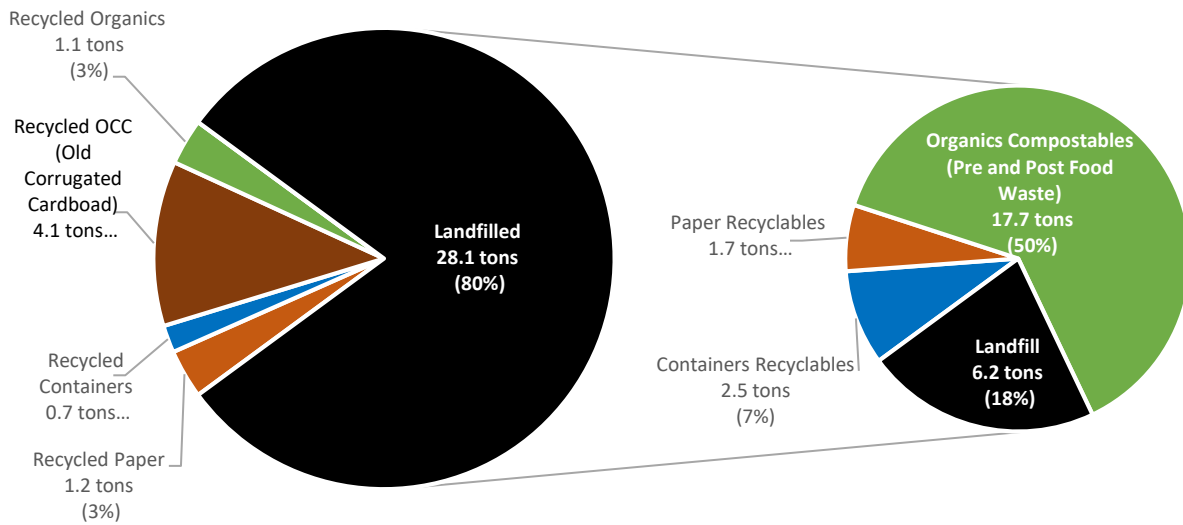


Figure 10. Fire & Public Safety Centre of Excellence (St. Clair Township Site) Waste Diversion and Opportunity for Diversion Improvement

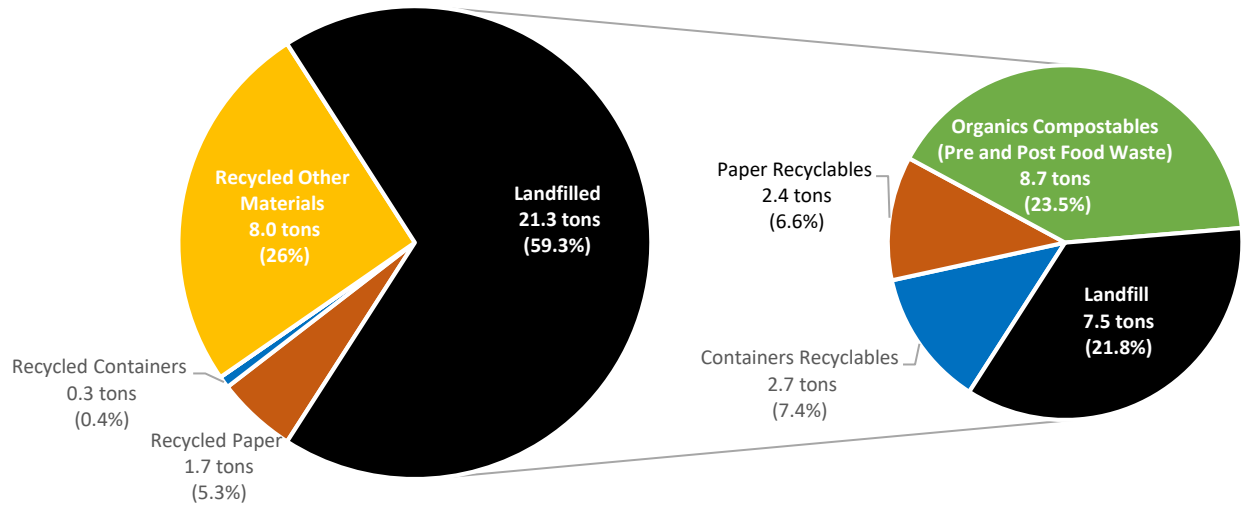


Figure 11. Skilled Trades Training Centre Waste Diversion and Opportunity for Diversion Improvement

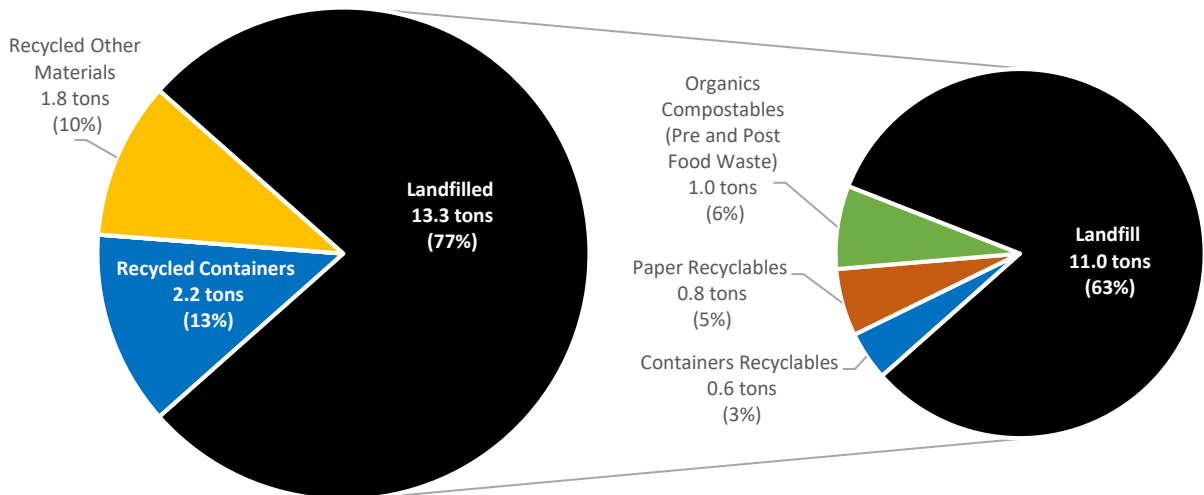


Figure 12. Suncor Sustainability Centre Waste Diversion and Opportunity for Diversion Improvement

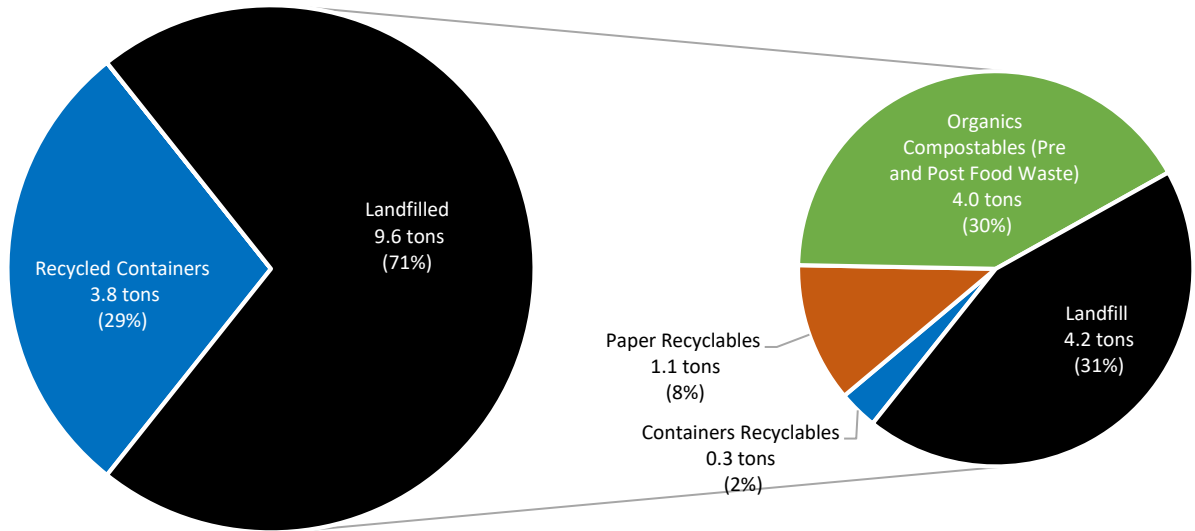
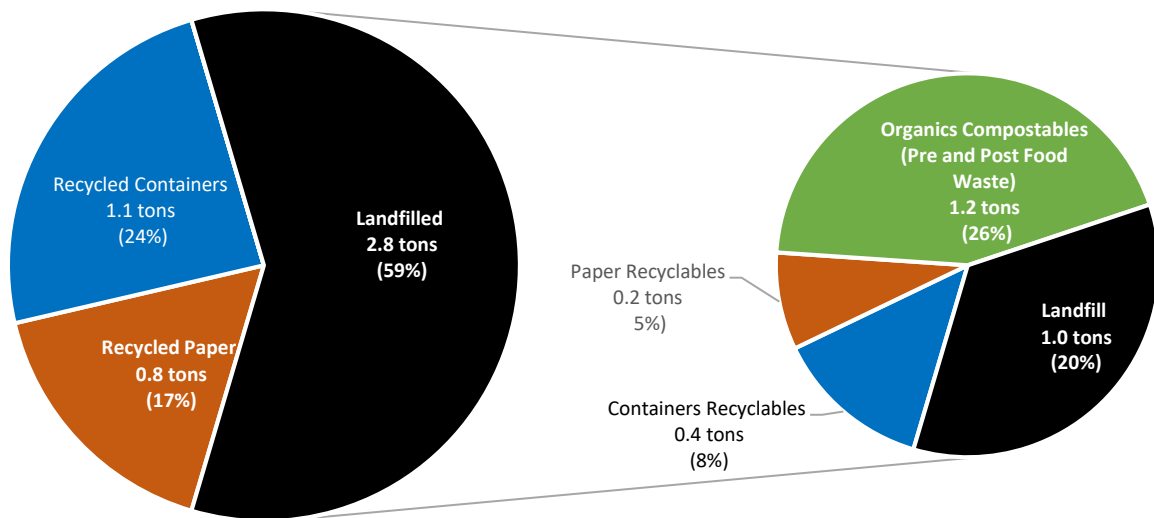


Figure 13. Community Employment Services (Petrolia Site) Waste Diversion and Opportunity for Diversion Improvement



8.0 WASTE MANAGEMENT STRATEGY

8.1 Lambton College's New Strategic Plan 2019-2024

Lambton College just came out with their new strategic plan for 2019-2024 titled "Empowering Today, Shaping Tomorrow. This waste management strategy will properly align with the three pillars noted below:

- 1) **Our Students:** Prepare students in a world of constant economic, environmental and social change.
 - The waste management industry is evolving rapidly and demand for increasing waste diversion will fluctuate based on market evaluation of products, exploring various waste collection distribution systems and examining cost effective measures to help divert material from landfill.
 - Education, raising awareness and maintaining up-to-date information on waste and recycling will play a key part in its facilities and operations.
 - Use of TV screens, notices and newsletters, in-class presentations, campaigns and increasing app user experience will be acted upon.
- 2) **Our People:** Our people are highly valued and at the centre of a vibrant culture.
 - Developing a universal educational waste management strategy and waste reduction work plan will show the college's investment in the diversity of its people (i.e. coming from varying geographic locations, races, ethnicities, cultures, etc.).
 - All staff, faculty, students and partners will contribute to the college's waste reduction work plan and waste management strategy by participating in online surveys. Here, their feedback will be acknowledged, reviewed by facilities personnel and decisions that reflect the community's feedback will be implemented to scale.
 - Valuing waste management will enhance the value of the people that contribute to it.
- 3) **Our Local and Global Community:** Promote inclusivity, fairness and understanding to prepare students for a complex and independent world.
 - The entire life cycle of waste management is on a global scale. Understanding its complexities will not only improve communication channels, education and awareness but also help to establish Lambton College as a leader in the waste and recycling sector.

Lambton College will do its best to maintain, improve and implement measures that are based on the 3Rs (ordered from most important to least): Reduce; Reuse and Recycle.

8.2 Reduce

The facility currently participates in the following reduction opportunities including, but not limited to:

- Some paper products (office computer paper, paper towels, and toilet paper) are made of recycled fibre materials.
- Some washrooms and change rooms use hand dryers instead of paper towel dispensers.

- Staff and students bringing in their own lunches with their own dishware and cutlery to reduce the use of disposables.
- Certain meetings and/or events use ceramic or other reusable dishes to reduce the use of disposables.
- Tim Horton's vendor in the cafeteria offers a reusable mug incentive to reduce the use of paper coffee cups.
- Staff and students programing their computerized device(s) to print on double-sided paper.

It has been encourage that the facility expands on the following reduction opportunities including, but not limited to:

- Increase the use of double-sided printing to cut the use of printed paper by 50%.
- Discourage the use of purchased 0% recycled paper for office use (i.e. through Xerox or otherwise).
- Purchase of additional hand dryers for washrooms to reduce paper towel usage.
- Encourage food service staff to sell reusable coffee mugs at cashiers.
- Hosting "Waste-Free Lunch days."
- Increasing the use of "for here" dishware (i.e. ceramic plates and metal cutlery) for cafeteria use and Creations lunch events on Thursdays and Fridays.
- Promote the use of reusable water bottles, estimate cost and reduction savings compared to purchasing bottled water.

8.3 Reuse

The facility currently participates in the following reuse opportunities including, but not limited to:

- Textbooks for Change Program: students and staff have the option to donate textbooks to third world countries.
- Wooded pallets (blue-colored) are reused and distributed.
- Wooded pallets (none-colored) are broken down, stripped and sold as firewood.
- Staff and students bring in reusable Tupperware containers, coffee mugs, etc. for lunches, coffee, etc.
- Some meetings use reusable dishware.
- Asset Surplus Sale.
- Printer inkjet/ toner cartridges exchange program.

It has been encouraged that the facility expands on the following reuse opportunities including, but not limited to:

- Increase the Textbooks for Change drop-off locations.
- Find additional vendors for blue-colored wooded pallets.
- Find additional vendors for non-colored wooded pallets.
- Improve the tracking and monitoring of all assets sold and distributed by the college.

8.4 Recycle





Table 8 below shows the waste/ landfill and recycling streams for the thirteen room categories identified.

Table 8. Room Categories and Waste Collectibles at Lambton College.

#	ROOM TYPE	WASTE STREAMS			
1	Cafeteria	Paper, Newspaper & Cardboard	Glass, Cans & Plastic Containers	Landfill	
2	Classroom	Landfill	Glass, Cans & Plastic Containers	Paper, Newspaper & Cardboard	
3	Gymnasium/ Fitness Centre	Landfill	Glass, Cans & Plastic Containers	Paper, Newspaper & Cardboard	
4	Hallway	Paper, Newspaper & Cardboard	Glass, Cans & Plastic Containers	Glass, Cans & Plastic Containers	Landfill
5	Kitchen (Food and Beverage Prep)	Waste/Landfill	Paper Recycling	Containers Recycling	
6	Lounge/ Common Area	Landfill	Glass, Cans & Plastic Containers	Paper, Newspaper & Cardboard	
7	Office	Landfill	Glass, Cans & Plastic Containers	Paper, Newspaper & Cardboard	
8	Office - Lunch Room	Paper, Newspaper & Cardboard	Glass, Cans & Plastic Containers	Glass, Cans & Plastic Containers	Landfill
9	Outdoor	Paper, Newspaper & Cardboard	Glass, Cans & Plastic Containers	Landfill	
10	Research Lab	Paper, Newspaper & Cardboard	Glass, Cans & Plastic Containers	Landfill	
11	Residence (Bedroom)	Landfill			
12	Shop	Landfill			
13	Washroom	Landfill			

Table 9 shows four photos and lists their areas where more than one waste stream are available on campus. All other areas (washrooms, kitchens, shops, residence rooms, etc.) have either one waste/landfill bin or a landfill bin plus a small blue bin for recycling (commingled or two-stream).

Table 9. Photos of Various Waste Streams by Room Area

Room Type (s)	Photo
Classroom, Gymnasium, Office, Research Lab	
Hallways, Office-Lunch Room, Student/ Staff Lunch Rooms (South Building, Fire School Building)	
Cafeteria(s), Student Lounge/ Common Area (South Building)	
Outdoor	

In addition, the facility recycles:

- Batteries
- Scrap Metal
- Hazardous Waste
- Wooded Pallets
- Leaf and Yard Waste
- Electronic Waste
- Printer Toner and Inkjet Cartridges
- Construction and Demolition Recycling Programs
- Fluorescent light bulbs and non-PCB ballasts
- Kitchen oils/ grease for all food service vendors and culinary program
- Seasonal pre-consumer food waste composting program by the Culinary program
- Plastic Containers #1-7 (except for #6 Expanded Styrofoam)
- Cardboard Recycling program
- Multi-Material (Miscellaneous) products through Asset Disposal sale or other

It has been encouraged that the facility expands on the following recycling/ waste diversion opportunities including, but not limited to:

- **Uniformity:** create a universal waste & recycling labelling bin system across campus. Depending on the bin system, three waste streams will be read left to right:
 - Paper, Newspaper & Cardboard – use of clear-lined plastic bags
 - Glass, Cans & Plastic Containers – use of clear-lined plastic bags
 - Landfill – use of black-lined plastic bags
- **Battery Recycling Expansion:** increase the number of drop-off depots. Currently, batteries can be collected by all staff and students at:
 - South Building – Facilities Management Office (B0-152)
 - Fire & Public Safety Centre of Excellence Building – Reception Desk
 - North Building – Ontario Early Years Centre (OEYC)
- **Organics/ Compost Collection Program:** develop a pre- and post- organics collection program to increase and/or develop a capture rate for pre- and post- food & beverage waste. Perform analysis on on-site composting vs. waste hauler system.
- **Ontario Electronic Stewardship (OES) Program:** develop a post-consumer electronic recycling program whereby staff and students can bring in unwanted electronics from home. Partnering with the Ontario Electronic Stewardship (OES) and/or Lambton College's student-run Phoenix Project is recommended.
- **New Waste Vendor Partnerships:** partner with new waste vendors/ haulers such as Terracycle for recycling normally non-recyclable materials such as wrappers, office supplies, cigarette butts/ ashes, etc.

- **LED Lighting Replacement:** replace all old fluorescent tube lighting with LEDs to increase light life-expectancy thereby reducing the number of fluorescent tube lights that get generated onsite and recycled annually.
- **Hazardous Waste Expansion:** in hazardous waste areas that seem grey, consider alternative options for non-identified hazardous waste materials to be recycled.
- **Waste Infrastructure Expansion:** where necessary, if the volume of captured recyclables exceeds the facility's capacity it has been recommended to install new recycling infrastructure such as a new recycling roll-off bin, purchasing of more recycling totes or other options in order to optimize but also minimally disrupt the student-staff experience.
- **Increase Training and Education for Housekeeping, Food Vendor, Student, Staff/ Faculty and Other Personnel:** for those that are responsible for collecting, handling and distributing various materials of waste receiving the proper training and education for all new stakeholders involved is imperative to increasing waste management best practices at the facility.
- **Integration within the Campus Environment:** continue to host campaigns, surveys, in-class presentations and other promotional materials on an annual basis to encourage new and experienced staff, faculty, students and visitors to participate in the facility's waste management best practices whereby up-to-date information will be provided.

**APPENDIX A WASTE AUDIT
MATERIAL CATEGORY LIST**

Table 1-A. Waste Category Descriptions

Material Category	Sorting Category	Item	Recyclable	Waste Stream	Potential Waste Stream	Potentially Recyclable
Paper	Office Paper	Ad mail	YES	Paper Recycling		
		Bills, Statements	YES	Paper Recycling		
		Copy Paper	YES	Paper Recycling		
		Office Paper	YES	Paper Recycling		
		Writing Paper	YES	Paper Recycling		
		Books (Hard covers removed)	YES	Paper Recycling		
		Printing Paper	YES	Paper Recycling		
		Fine Paper	YES	Paper Recycling		
		Kraft or Brown Envelopes	YES	Paper Recycling		
	Newspaper and Mixed Paper	Kraft Paper	YES	Paper Recycling		
		Coloured Paper	YES	Paper Recycling		
		Newspaper	YES	Paper Recycling		
		Phonebooks	YES	Paper Recycling		
		Other Newsprint-Type Materials	YES	Paper Recycling		
		Brown Wrapping Paper	YES	Paper Recycling		
		Magazines	YES	Paper Recycling		
		Flyers	YES	Paper Recycling		
		Paperback books	YES	Paper Recycling		
	Boxboard	clean pizza boxes, cereal boxes, toiler paper tubes,	YES	Paper Recycling		
	Molded Pulp Containers	egg cartons, drink trays, etc.	YES	Paper Recycling	Organics	YES
	Cardboard	OCC (Old Corrugated Cardboard - large pizza boxes, bankers boxes, packing/shipping boxes, etc.)	YES	Paper Recycling		
	Polycoat/Aseptic Containers	Milk and juice cartons, Tetra Pak boxes, rinsed	YES	Glass, Cans, Plastic Containers		
	Paper Towels	Paper Towels, Tissue Paper, Napkins	NO	Waste/ Landfill/ Non-Recyclable Waste	Organics	YES
	Paper Cups	Take-Out Cups & Ice Cream Containers	NO	Waste/ Landfill/ Non-Recyclable Waste	Organics	YES
	Coffee Cups	Tim Horton's, Starbucks, etc. Coffee Cups	NO	Waste/ Landfill/ Non-Recyclable Waste	Organics	YES
Non-Recyclable Paper	Compostable Paper	NO	Waste/ Landfill/ Non-Recyclable Waste	Organics	YES	

Material Category	Sorting Category	Item	Recyclable	Waste Stream	Potential Waste Stream	Potentially Recyclable
Plastic	#1 (PET)	PET (#1) - Soft drink bottles, water bottles, juice bottles, liquor bottles, cooking oil bottles, peanut butter containers, dish soap bottles, mouth wash bottles, clear egg cartons, bakery, clamshells, trays, oven/ microwave trays	YES	Glass, Cans, Plastic Containers		
	#2 (HDPE)	Plastic juice, milk, laundry soap, shampoo, and windshield washer containers	YES	Glass, Cans, Plastic Containers		
	#3 (PVC)	squeeze bottles, shampoo bottles, mouthwash bottles, cooking oil and peanut butter jars, detergent and window cleaner bottles	YES	Glass, Cans, Plastic Containers		
	#4 (LDPE)	coatings for paper milk cartons and hot & cold beverage cups; some squeezable bottles (honey, mustard), food storage containers, container lids	YES	Glass, Cans, Plastic Containers		
	#5 (PP)	Food containers (ketchup, yogurt, cottage cheese, margarine, syrup, take-out), bottle caps, margarine tubs and lids	YES	Glass, Cans, Plastic Containers		
	#6 (PS)(Rigid)	Yogurt Containers, take-out plastic containers, Tim Horton's Plastic Ice Capps Containers	YES	Glass, Cans, Plastic Containers		
	#6 (PS) Expanded Foam)	Packing foam, take-out cups, plates, trays and containers	NO	Waste/ Landfill/ Non-Recyclable Waste	Glass, Cans, Plastic Containers	YES
	#7 (Other)	Bioplastics, Baby bottles, sippy cups, water bottles, three and five gallon large water storage containers, metal food can liners, juice and ketchup containers, oven-baking bags, carbonless paper receipts	YES	Glass, Cans, Plastic Containers		
	Film Bags (#4)	Grocery bags and Other Recyclable Plastic Film (#2 and #4 Plastics)	YES	Glass, Cans, Plastic Containers (only if bundled)		
	Laminated Film	Non-Recyclable Film (e.g. chip bags, cling wrap, outer garbage bags etc.)	NO	Waste/ Landfill/ Non-Recyclable Waste		
Other Plastic	Plastic Products (Britta filters, CDs, DVDs, plastic shelving units, shower curtains, coffee pods, etc.)	NO	Waste/ Landfill/ Non-Recyclable Waste			
Glass	Food and Beverage (Clear and Coloured) Glass	Jars, Bottles etc purchased through food and beverage	YES	Glass, Cans, Plastic Containers		
	Other Glass	Other Glass and Broken Bottles from glass products	NO	Waste/ Landfill/ Non-Recyclable Waste		
Metal	Food and Beverage Cans	Foil wrap, plates and trays, beverage cans (i.e. pop), cans (food and beverage, empty paint cans)	YES	Glass, Cans, Plastic Containers (only if bundled)		
	Other Metal	Metal Products (hangers, rods, electronics, copper wiring, etc.)	NO	Waste/ Landfill/ Non-Recyclable Waste		

Material Category	Sorting Category	Item	Recyclable	Waste Stream	Potential Waste Stream	Potentially Recyclable
Organics	Pre-Consumer	Food Preparation Waste (Coffee Grinds, pre-service food from kitchen, culinary program, etc.)	NO	Waste/ Landfill/ Non-Recyclable Waste	Organics	
	Post-Consumer	Food from Plate Scrapings and Lunch Bags (cafeterias, lounges, staff and student kitchens, banana and orange peels, etc.)	NO	Waste/ Landfill/ Non-Recyclable Waste	Organics	YES
	Leaf and Yard Waste	Grass clippings, mulch, plants, etc.	NO	Waste/ Landfill/ Non-Recyclable Waste	Organics	YES
Wood	Wood Pallets	Wooden Shipping Pallets.	NO	Waste/ Landfill/ Non-Recyclable Waste	Wood Recycling	YES
	Other Wood	Other Wood Waste	NO	Waste/ Landfill/ Non-Recyclable Waste		YES
Electronics	Electronics	Computers, Electrical Equipment, etc.	NO	Waste/ Landfill/ Non-Recyclable Waste	Electronics Recycling	YES
	Cartridges	Printer and Toner Cartridges	NO	Waste/ Landfill/ Non-Recyclable Waste	Electronics Recycling	YES
Construction and Demolition	Construction and Demolition	Construction and Demolition Materials (mortar, cement, nailed wood, etc.)	NO	Waste/ Landfill/ Non-Recyclable Waste		YES
Miscellaneous	Office Supplies	Reusable	NO	Waste/ Landfill/ Non-Recyclable Waste	Donation	YES
	Office Supplies	Recyclable	NO	Waste/ Landfill/ Non-Recyclable Waste	Donation	YES
	Unclassified	Non-Classified Materials (i.e. multi-material objects like rope, brooms, etc.)	NO	Waste/ Landfill/ Non-Recyclable Waste	Donation	YES
	Washroom Waste	Feminine Hygiene Products, Diapers, etc.	NO	Waste/ Landfill/ Non-Recyclable Waste	Feminine Hygiene Waste	YES
	Textiles	Reusable	NO	Waste/ Landfill/ Non-Recyclable Waste	Donation	YES
	Textiles	Non-Reusable	NO	Waste/ Landfill/ Non-Recyclable Waste	Donation	YES
Hazardous	Batteries	Rechargeable and Non-Rechargeable	YES	Battery Recycling Tubs on campus		
	Fluorescent Bulbs	Tubes and Compact bulbs	YES	Blue box in Shipping and Receiving		
	Other hazardous Waste	Paints, Full Aerosols, Medical Waste etc.	NO	Hazardous Waste	Hazardous Waste Recycling at Clean Harbours	YES

APPENDIX B DETAILED WASTE DATA

Table 1-B. Annual Waste Haulage Records for Lambton College by Campus Site (generated from September 1, 2018 to August 31, 2019) (without adjusting for contamination)

Waste Material	Annual Haulage Records (MT)										
	LI	SB	SSC	STTC	CES	FS	ITC	NB	SH	Western (BTAC)	Total
Recycled Paper	1.26	18.20			0.83	1.77		3.64			25.71
Confidential Paper		3.60									3.60
Containers	0.76	23.20	4.29	2.47	1.28	0.28	0.00	1.23	0.00		33.52
OCC (Old Corrugated Cardboard)	4.08	24.00	0.00	0.00		0.00	0.00	6.00	0.00		34.08
Organics	0.86		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86
Flourescent Bulbs		0.32									0.32
Batteries		0.10				0.01		0.01			0.12
Electronics		4.39									4.39
Printer Cartridges and Toner Cartridges		0.70									0.70
Wood Pallets	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
Hazardous Waste	0.00	1.16	0.00	0.00	0.00	7.96	0.00	0.00	0.00		9.12
Scrap Metal		24.63		1.78							26.41
Landfill	27.54	111.06	9.36	13.00	2.75	20.81		27.54			212.06
C&D (Construction & Demolition) - Diverted		0.00									0.00
FOG (Fats, Oils and Grease) - Diverted	0.28	2.38									2.65
Miscellaneous (multi-material) - Diverted		0.06									0.06
Total	34.77	214.02	13.65	17.25	4.86	30.83	0.00	38.43	0.00	0.00	353.81

LI - Lambton INN Residence & Event Centre
 SB - South Building
 SSC - Suncor Sustainability Centre
 STTC - Skilled Trades Training Centre
 CES - Community Employment Services (Petrolia Site)
 FS - Fire School (St. Clair Township Site)
 ITC - Industrial Training Centre (St. Clair Township Site)
 NB - North Building
 SH - Smarthouse
 Western (BTAC) - Bluewater Technology Access Centre

Table 2-B. Gross Waste Generation at Lambton College and its associated audited sites organized by building area

GROSS WEIGH-IN (ALL LAMBTON COLLEGE CAMPUSES AND BUILDINGS)

Waste Generation Location	Bag Weights Categories Day Totals (Kg)						Annual Waste Totals Categories (combines sorting categories and waste haulage totals) (MT)												
	Landfill	Paper	Containers	OCC	Organics	Total	Landfill	Paper	Containers	OCC	Organics	Metal	Wood	Electronics	Hazardous	C&D	Misc.	Total	
LI - Classroom			1.1			1.1	0.00	0.00	0.38	0.00								0.38	
LI - Hallway	1.1	1.6				2.7	0.38	0.55	0.00	0.00								0.93	
LI - Kitchen (Food and Beverage Prep)	35.1					35.1	12.14	0.00	0.00	0.00								12.14	
LI - Lounge/ Common Area	0.3					0.3	0.10	0.00	0.00	0.00								0.10	
LI - Office	0.3					0.3	0.10	0.00	0.00	0.00								0.10	
LI - Outdoor	12.1					12.1	4.19	0.00	0.00	0.00								4.19	
LI - Residence (Bedroom)	45.7					45.7	15.81	0.00	0.00	0.00								15.81	
LI - Washroom	2.2					2.2	0.76	0.00	0.00	0.00								0.76	
SB - Cafeteria	65.9		6.5			72.4	22.80	0.00	2.25	0.00								25.05	
SB - Classroom	42.6	7.2	4.5			54.3	14.74	2.49	1.56	0.00								18.79	
SB - Gym/ Fitness Centre	2.5	0.4	2.1			5	0.87	0.14	0.73	0.00								1.73	
SB - Hallway	35.5	1.5	6.3	1.7		45	12.28	0.52	2.18	0.59								15.57	
SB - Kitchen (Food and Beverage Prep)	170.8		0.8	2.3		173.9	59.10	0.00	0.28	0.80								60.17	
SB - Lounge/ Common Area	11.2	0.2	1.1			12.5	3.88	0.07	0.38	0.00								4.33	
SB - Office	21.3	15.9	1.5	24.9		63.6	7.37	5.50	0.52	8.62								22.01	
SB - Office - Lunch Room	5		1			6	1.73	0.00	0.35	0.00								2.08	
SB - Outdoor	92.7	1.6	5.7			100	32.07	0.55	1.97	0.00								34.60	
SB - Research Lab	2.3					2.3	0.80	0.00	0.00	0.00								0.80	
SB - Washroom	32.2	0				32.2	11.14	0.00	0.00	0.00								11.14	

Waste Generation Location	Bag Weights Categories Day Totals (Kg)						Annual Waste Totals Categories (combines sorting categories and waste haulage totals) (MT)												
	Landfill	Paper	Containers	OCC	Organics	Total	Landfill	Paper	Containers	OCC	Organics	Metal	Wood	Electronics	Hazardous	C&D	Misc.	Total	
SSC - Classroom						0	0.00	0.00	0.00	0.00								0.00	
SSC - Hallway	1.7		0.4			2.1	0.59	0.00	0.14	0.00								0.73	
SSC - Lounge/ Common Area						0	0.00	0.00	0.00	0.00								0.00	
SSC - Office						0	0.00	0.00	0.00	0.00								0.00	
SSC - Office - Lunch Room						0	0.00	0.00	0.00	0.00								0.00	
SSC - Outdoor						0	0.00	0.00	0.00	0.00								0.00	
SSC - Washroom	0.6					0.6	0.21	0.00	0.00	0.00								0.21	
STTC - Classroom	0.4					0.4	0.14	0.00	0.00	0.00								0.14	
STTC - Hallway			0.1			0.1	0.00	0.00	0.03	0.00								0.03	
STTC - Lounge/ Common Area						0	0.00	0.00	0.00	0.00								0.00	
STTC - Office						0	0.00	0.00	0.00	0.00								0.00	
STTC - Office - Lunch Room						0	0.00	0.00	0.00	0.00								0.00	
STTC - Outdoor						0	0.00	0.00	0.00	0.00								0.00	
STTC - Shop	1.5					1.5	0.52	0.00	0.00	0.00								0.52	
STTC - Washroom	0.5					0.5	0.17	0.00	0.00	0.00								0.17	
CES - Classroom	2.6					2.6	0.90	0.00	0.00	0.00								0.90	
CES - Hallway						0	0.00	0.00	0.00	0.00								0.00	
CES - Lounge/ Common Area						0	0.00	0.00	0.00	0.00								0.00	
CES - Office	4		1.3			5.3	1.38	0.00	0.45	0.00								1.83	
CES - Office - Lunch Room	0.7		2.4			3.1	0.24	0.00	0.83	0.00								1.07	
CES - Washroom	0.4					0.4	0.14	0.00	0.00	0.00								0.14	
							0.00	0.00	0.00	0.00								0.00	

Waste Generation Location	Sorting Categories Day Totals (Kg)						Annual Waste Totals Categories (combines sorting categories and waste haulage totals) (MT)												
	Landfill	Paper	Containers	OCC	Organics	Total	Landfill	Paper	Containers	OCC	Organics	Metal	Wood	Electronics	Hazardous	C&D	Misc.	Total	
FS - Cafeteria	1.40					1.40	0.48	0.00	0.00	0.00								0.48	
FS - Classroom	4.60	1.40				6.00	1.59	0.48	0.00	0.00								2.08	
FS - Hallway	13.90		0.20			14.10	4.81	0.00	0.07	0.00								4.88	
FS - Lounge/ Common Area						0.00	0.00	0.00	0.00	0.00								0.00	
FS - Office	0.50	9.50				10.00	0.17	3.29	0.00	0.00								3.46	
FS - Office - Lunch Room						0.00	0.00	0.00	0.00	0.00								0.00	
FS - Washroom	0.60					0.60	0.21	0.00	0.00	0.00								0.21	
ITC - Classroom						0.00	0.00	0.00	0.00	0.00								0.00	
ITC - Office						0.00	0.00	0.00	0.00	0.00								0.00	
ITC - Office - Lunch Room						0.00	0.00	0.00	0.00	0.00								0.00	
ITC - Washroom						0.00	0.00	0.00	0.00	0.00								0.00	
NB - Classroom	2.50	1.00	0.40			3.90	0.87	0.35	0.14	0.00								1.35	
NB - Hallway	0.60	0.30	0.20			1.10	0.21	0.10	0.07	0.00								0.38	
NB - Lounge/ Common Area	0.05					0.05	0.02	0.00	0.00	0.00								0.02	
NB - Office	6.70	2.50	0.70			9.90	2.32	0.87	0.24	0.00								3.43	
NB - Office - Lunch Room						0.00	0.00	0.00	0.00	0.00								0.00	
NB - Outdoor	1.90					1.90	0.66	0.00	0.00	0.00								0.66	
NB - Washroom	1.30					1.30	0.45	0.00	0.00	0.00								0.45	
SH - Hallway						0.00	0.00	0.00	0.00	0.00								0.00	
SH - Office						0.00	0.00	0.00	0.00	0.00								0.00	
SH - Research Lab						0.00	0.00	0.00	0.00	0.00								0.00	
SH - Washroom						0.00	0.00	0.00	0.00	0.00								0.00	
Sub-Total	625.25	43.10	36.30	28.90	0.00	733.55	216.34	14.91	12.56	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	253.81	

Annual Waste Totals Categories (combines sorting categories and waste haulage totals) (MT)												
	Landfill	Paper	Containers	OCC	Organics	Metal	Wood	Electronics	Hazardous	C&D	Misc.	Total
Annual Haulage Records + Adjustments (MT)												
Paper Contamination	1.00	-1.00										
Containers Contamination	3.58		-3.58									
OCC Contamination												
Organics Contamination												
Recycled Paper		10.80										
Confidential Paper		3.60										
Containers			20.96									
OCC (Old Corrugated Cardboard)				24.08								
Organics					0.86							
Fluorescent Bulbs									0.32			
Batteries									0.12			
Electronics								4.39				
Printer Cartridges and Toner Cartridges								0.70				
Wood Pallets							0.22					
Hazardous Waste									9.12			
Scrap Metal						26.41						
C&D (Construction & Demolition) - Diverted												
FOG (Fats, Oils and Grease) - Diverted					2.65							
Miscellaneous (multi-material) - Diverted											0.06	
Landfill	-4.28											
Sub-Total	0.30	13.40	17.38	24.08	3.51	26.41	0.22	5.09	9.56	0.00	0.06	100.0
GRAND TOTAL	216.64	28.31	29.94	34.08	3.51	26.41	0.22	5.09	9.56	0.00	0.06	353.8

Total Audit Days: 4

LANDFILL: 216.64
DIVERTED: 137.17
CONTAMINATION: 4.58
TOTAL: 353.82

Estimated Waste Diversion Rate (omitting NB demolition site and SB vehicle Adjusting for Contamination): **38.77%**

Estimated Annual Quantities Based On: 346 Days/ Year

LANDFILL: 216.64
DIVERTED: 137.18
CONTAMINATION: 4.58

TOTAL: **353.82**

Table 3-B. Campus Wide Waste Stream Composition by Area Type

Area	Waste Stream Generation (Kg/ Day)					Total
	Landfill	Containers	Paper	OCC (Old Corrugated Cardboard)	Organics	
Cafeteria	67.3	6.5				73.8
Classroom	52.7	6.0	9.6			68.3
Common Area	11.6	1.1	0.2			12.9
Gym	2.5	2.1	0.4			5.0
Hallway	52.8	8.8	1.8	1.7		65.1
Kitchen (Food and Beverage Prep)	205.9	0.8		2.3		209.0
Office	32.8	3.5	27.9	24.9		89.1
Office-Lunch Room	5.7	3.4				9.1
Outdoor	106.7	5.7	1.6			114.0
Research Labs	2.3					2.3
Residence Rooms	45.7					45.7
Shops	1.5					1.5
Washroom	37.8					37.8
Total	625.3	37.9	41.5	28.9	0.0	733.6

Table 4-B. Daily South Building Waste Stream Composition by Area Type

Area	Waste Stream Generation (Kg/ Day)					Total
	Landfill	Containers	Paper	OCC (Old Corrugated Cardboard)	Organics	
Cafeteria	65.9	6.5				72.4
Classroom	42.6	4.5	7.2			54.3
Common Area	11.2	1.1	0.2			12.5
Gym	2.5	2.1	0.4			5
Hallway	35.5	6.3	1.5	1.7		45
Kitchen (Food and Beverage Prep)	170.8	0.8		2.3		173.9
Office	21.3	1.5	15.9	24.9		63.6
Office-Lunch Room	5	1				6
Outdoor	92.7	5.7	1.6			100
Research Labs	2.3					2.3
Washroom	32.2					32.2
Total	482	29.5	26.8	28.9	0	567.2

Table 5-B. Daily North Building Waste Stream Composition by Area Type

Area	Waste Stream Generation (Kg/ Day)					Total
	Landfill	Containers	Paper	OCC (Old Corrugated Cardboard)	Organics	
Cafeteria						0.0
Classroom	2.5	0.4	1.0			3.9
Common Area	0.1					0.1
Gym						0.0
Hallway	0.6	0.2	0.3			1.1
Kitchen (Food and Beverage Prep)						0.0
Office	6.7	0.7	2.5			9.9
Office-Lunch Room						0.0
Outdoor	1.9					1.9
Research Labs						0.0
Washroom	1.3					1.3
Total	13.1	1.3	3.8	0.0	0.0	18.2

Table 6-B. Lambton INN Residence & Event Centre Centre Building Waste Stream Composition by Area Type

Area	Waste Stream Generation (Kg/ Day)					Total
	Landfill	Containers	Paper	OCC (Old Corrugated Cardboard)	Organics	
Cafeteria						0.0
Classroom		1.1				1.1
Common Area	0.3					0.3
Gym						0.0
Hallway	1.1	1.6				2.7
Kitchen (Food and Beverage Prep)	35.1					35.1
Office	0.3					0.3
Office-Lunch Room						0.0
Outdoor	12.1					12.1
Research Labs						0.0
Residence Rooms	45.7					45.7
Shops						0.0
Washroom	2.2					2.2
Total	96.8	2.7	0.0	0.0	0.0	99.5

Table 7-B. Daily Fire & Public Safety Centre of Excellence Building Waste Stream Composition by Area Type

Area	Waste Stream Generation (Kg/ Day)					Total
	Landfill	Containers	Paper	OCC (Old Corrugated Cardboard)	Organics	
Cafeteria	1.4					1.4
Classroom	4.6		1.4			6
Common Area						0
Gym						0
Hallway	13.9	0.2				14.1
Kitchen (Food and Beverage Prep)						0
Office	0.5		9.5			10
Office-Lunch Room						0
Outdoor						0
Research Labs						0
Washroom	0.6					0.6
Total	21	0.2	10.9	0	0	32.1

Table 8-B. Skilled Trades Training Centre Building Waste Stream Composition by Area Type

Area	Waste Stream Generation (Kg/ Day)					Total
	Landfill	Containers	Paper	OCC (Old Corrugated Cardboard)	Organics	
Cafeteria						0.0
Classroom	0.4					0.4
Common Area						0.0
Gym						0.0
Hallway		0.1				0.1
Kitchen (Food and Beverage Prep)						0.0
Office						0.0
Office-Lunch Room						0.0
Outdoor						0.0
Research Labs						0.0
Shops	1.5					1.5
Washroom	0.5					0.5
Total	2.4	0.1	0.0	0.0	0.0	2.5

Table 9-B. Suncor Sustainability Centre Building Waste Stream Composition by Area Type

Area	Waste Stream Generation (Kg/ Day)					Total
	Landfill	Containers	Paper	OCC (Old Corrugated Cardboard)	Organics	
Cafeteria						0.0
Classroom						0.0
Common Area						0.0
Gym						0.0
Hallway	1.7	0.4				2.1
Kitchen (Food and Beverage Prep)						0.0
Office						0.0
Office-Lunch Room						0.0
Outdoor						0.0
Research Labs						0.0
Shops						0.0
Washroom	0.6					0.6
Total	2.3	0.4	0.0	0.0	0.0	2.7

Table 10-B. Daily Community Employment Services (Petrolia Site) Waste Stream Composition by Area Type

Area	Waste Stream Generation (Kg/ Day)					Total
	Landfill	Containers	Paper	OCC (Old Corrugated Cardboard)	Organics	
Classroom	2.6					2.6
Office	4	1.3				5.3
Office-Lunch Room	0.7	2.4				3.1
Washroom	0.4					0.4
Total	7.7	3.7	0	0	0	11.4

* Note: These values were calculated on the 4-day audit sort only. They do not take into account contamination. Since this site generates so minimal waste, the containers and paper streams are commingled and so the containers weights will include the paper recycling weights.

South Building Landfill Sort

Sorting Date/ Time	Location							
Monday, December 3 - 4, 2018 (5:30 PM - 3:30 AM)	Kitchen (food and beverage prep)	Kitchen (food and beverage prep)	Washroom	Washroom	Outdoor	Outdoor	Hallway	Classroom
Tuesday, December 4 - 5, 2018 (5:30 PM - 3:00 AM)	SB-B0-121 Kitchen	SB-B1-135 Kitchen	SB-A&B Washrooms	SB-C Washrooms	SB-Outdoor Steel Bin	SB-Outdoor 3-Stream Platform O15	SB-C&D Block Hallway Landfill	SB-C&D Classroom Landfill
Sorting Item	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)
Office Paper		0.050			0.100		0.050	0.050
Newspaper and Mixed Paper	0.200				0.900	0.200	0.100	0.050
Boxboard			0.657	0.069	0.300	0.800	0.400	
Molded Pulp Containers	0.050				0.100	0.050	0.200	0.050
Cardboard (OCC)							0.050	0.050
Polycoat/Aseptic Containers					0.200	0.050	0.050	
#1 (PET)	0.050		0.088	0.009	0.400	0.400	0.100	0.050
#2 (HDPE)								
#3 (PVC)								
#4 (LDPE)								
#5 (PP)					0.050	0.050		
#6 (PS)(Rigid)	0.050	0.100	0.066	0.007		0.400	0.050	0.050
#7 (Other)					0.100			
Food and Beverage Cans			0.066	0.007	0.200	0.050		0.050
Food and Beverage (Clear and Coloured) Glass							0.800	
Office Supplies (Recyclable)								
Paper Towels	0.050		19.710	2.070	0.500	0.500	0.100	0.600
Paper Cups					0.050		0.050	
Non-Recyclable Paper					0.100	0.100	0.050	0.050
Loose Film Bags (#4)					0.050	0.050	0.200	
Laminated Film					0.050	0.050	0.050	0.050
Other Plastic	0.400	0.600	0.657	0.069	0.050	0.050	0.300	
Other Glass	0.100				0.100		1.000	
Other Metal								0.200
Pre-Consumer Food and Beverage	21.800	3.700						
Post-Consumer Food and Beverage					4.600	5.300	1.700	0.500
Wood Pallets								
Other Wood								
Electronics								
Cartridges								
Construction and Demolition								
Office Supplies (Reusable)								
Unclassified					2.300		0.050	
Washroom Waste					0.400			
Textiles					0.300			
Batteries								
Fluorescent Bulbs								
Other hazardous Waste								
Leaf and Yard Waste								
#6 (PS) (Expanded Foam)					0.050		0.050	
Coffee Cups					0.250	1.000	0.400	0.300
Fountain Cups	0.200	0.200	0.657	0.069	0.250	1.000		
Total (Kg)	22.900	4.650	21.900	2.300	11.400	10.050	5.750	2.050
Total Bag Weights (Kg)	140.7	30.1	21.9	2.3	50	42.7	6	12.8
Percentage of Bag Weights Sorted (Kg)	16.28%	15.45%	100.00%	100.00%	22.80%	23.54%	95.83%	16.02%

South Building Landfill Sort

Location					Stream	Recyclable On Campus	Recyclable On Campus
Cafeteria	Cafeteria	Washroom	Gym				
SB-B0-107 Lower Cafeteria Waste	SB-B1-131 Upper Cafeteria Waste	SB-C&D Washroom	Gymnasium	SB-Total	SB-Total	YES/NO	YES/NO
Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Potentially Recyclable
0.050	0.050	0.008	0.003	0.361	124.733	Paper	YES
1.500	0.500		0.003	3.453	1,194.565	Paper	YES
1.000	1.000		0.003	4.229	1,463.061	Paper	YES
1.800	0.500		0.003	2.753	952.365	Paper	YES
			0.003	0.103	35.465	Paper	YES
0.200	0.050		0.003	0.553	191.165	Containers	YES
0.600	0.700	0.008	0.025	2.430	840.711	Containers	YES
		0.008	0.003	0.011	3.633	Containers	YES
				0.000	0.000	Containers	YES
				0.000	0.000	Containers	YES
	0.050	0.008		0.158	54.668	Containers	YES
0.200	0.300	0.008	0.003	1.233	426.653	Containers	YES
				0.100	34.600	Containers	YES
0.050	0.100	0.008	0.005	0.536	185.318	Containers	YES
				0.800	276.800	Containers	YES
				0.000	0.000	Containers	YES
1.600	0.600	7.840	2.250	35.820	12,393.720	Waste/ Landfill	NO
	0.050			0.150	51.900	Waste/ Landfill	NO
0.300	0.300	0.008		0.908	314.168	Waste/ Landfill	NO
0.100	0.050	0.008		0.458	158.468	Waste/ Landfill	NO
0.200	0.200	0.008		0.608	210.368	Waste/ Landfill	NO
0.600	0.300	0.008		3.034	1,049.764	Waste/ Landfill	NO
				1.200	415.200	Waste/ Landfill	NO
				0.200	69.200	Waste/ Landfill	NO
				25.500	8,823.000	Waste/ Landfill	NO
7.100	6.500	0.080	0.178	25.958	8,981.295	Waste/ Landfill	YES
				0.000	0.000	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	NO
0.050				0.350	121.100	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	NO
				0.000	0.000	Waste/ Landfill	YES
				0.000	0.000	Waste/ Landfill	YES
				0.000	0.000	Waste/ Landfill	YES
				0.100	34.600	Waste/ Landfill	NO
1.500	1.100		0.023	4.573	1,582.085	Waste/ Landfill	NO
				2.376	822.096	Waste/ Landfill	NO
16.850	12.350	8.000	2.500	120.700	41,762.200		
48.4	17.5	8	2.5	382.9	132,483.40		
34.81%	70.57%	100.00%	100.00%	31.52%	31.52%		

Lambton INN Residence & Event Centre Landfill Sort

Sorting Date/ Time	Location							
	Residence (Bedroom)	Outdoor	Outdoor	Office	Lounge/ Common Area	Office - Lunch Room	Lounge/ Common Area	Washroom
Wednesday, December 5 - 6, 2018 (5:30 PM - 3:00 AM)	LI Residence Landfill	LI Outside Steel Landfill	LI Outdoor 3-Stream	LI Office Waste	LI Common Area 321	LI Student Kitchen	LI Student Laundry Room (Residence)	LI Washroom Waste
Thursday, December 6, 2018 (5:30 PM - 11:30 PM)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)		Day Totals (kg)	Day Totals (kg)	Day Totals (kg)
Sorting Item								
Office Paper	0.05		0.05				0.02	
Newspaper and Mixed Paper	0.40	0.05	0.50				0.03	
Boxboard	0.60	0.05	0.05				0.02	
Molded Pulp Containers	0.20		0.10				0.08	
Cardboard (OCC)		0.60	0.20					
Polycoat/Aseptic Containers	0.60		0.05				0.04	
#1 (PET)	2.30	0.05	0.40				0.04	
#2 (HDPE)	0.10	0.05	0.05					
#3 (PVC)								
#4 (LDPE)								
#5 (PP)	0.40		0.05					
#6 (PS)(Rigid)	0.20	0.10	0.10	0.00				
#7 (Other)								
Food and Beverage Cans	0.50							
Food and Beverage (Clear and Coloured) Glass								
Office Supplies (Recyclable)								
Paper Towels	0.30		0.10	0.02			0.16	0.90
Paper Cups	0.01							
Non-Recyclable Paper	0.04		0.05					
Loose Film Bags (#4)	0.40	0.05						
Laminated Film	0.60	0.10	0.05	0.27				
Other Plastic	0.20	0.05	0.05					
Other Glass								
Other Metal	0.05							
Pre-Consumer Food and Beverage								
Post-Consumer Food and Beverage	6.10	1.80	1.40				0.40	
Wood Pallets								
Other Wood								
Electronics								
Cartridges								
Construction and Demolition								
Office Supplies (Reusable)								
Unclassified			0.01					
Washroom Waste	0.50		0.20					1.30
Textiles								
Textiles								
Batteries								
Fluorescent Bulbs								
Other hazardous Waste								
Leaf and Yard Waste								
#6 (PS) (Expanded Foam)	0.05		0.05					
Coffee Cups	0.60	0.30	0.50	0.01				
Fountain Cups								
Total (Kg)	14.20	3.20	3.96	0.30		0.00	0.80	2.20
Total Bag Weights (Kg)	44.90	3.20	8.90	0.30	0.30	1.70	0.80	2.20
Percentage of Bag Weights Sorted (Kg)	31.63%	100.00%	44.49%	100.00%	0.00%	0.00%	100.00%	100.00%

Lambton INN Residence & Event Centre Landfill Sort

Location				Stream	Recyclable On Campus	Recyclable On Campus	
Hallway	Kitchen (Food and Beverage Prep)	Kitchen (Food and Beverage Prep)					
LI Hallway Waste	LI Waste Kitchen	LI Baking Trailer Waste	Total	Total	YES/NO	YES/NO	
Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Potentially Recyclable	
	0.01	0.10	0.23	80.62	Paper	YES	YES
	0.05	0.50	1.53	530.07	Paper	YES	YES
	0.05		0.77	267.80	Paper	YES	YES
	0.05		0.43	148.78	Paper	YES	YES
			0.80	276.80	Paper	YES	YES
			0.69	238.74	Containers	YES	YES
	0.05		2.84	982.64	Containers	YES	YES
			0.20	69.20	Containers	YES	YES
			0.00	0.00	Containers	YES	YES
			0.00	0.00	Containers	YES	YES
			0.45	155.70	Containers	YES	YES
	0.05	0.05	0.50	174.04	Containers	YES	YES
			0.00	0.00	Containers	YES	YES
	0.05	0.20	0.75	259.50	Containers	YES	YES
			0.00	0.00	Containers	YES	YES
			0.00	0.00	Containers	YES	YES
	0.99	2.38	4.85	1676.37	Waste/ Landfill	NO	NO
			0.01	3.46	Waste/ Landfill	NO	NO
	0.10		0.19	65.39	Waste/ Landfill	NO	NO
	0.05		0.50	173.00	Waste/ Landfill	NO	NO
	0.10	0.59	1.71	592.01	Waste/ Landfill	NO	NO
	0.05		0.35	121.10	Waste/ Landfill	NO	NO
			0.00	0.00	Waste/ Landfill	NO	NO
			0.05	17.30	Waste/ Landfill	NO	NO
	22.65	5.94	28.59	9892.11	Waste/ Landfill	NO	YES
			9.70	3356.20	Waste/ Landfill	NO	YES
			0.00	0.00	Waste/ Landfill	NO	NO
			0.00	0.00	Waste/ Landfill	NO	NO
			0.00	0.00	Waste/ Landfill	NO	NO
			0.00	0.00	Waste/ Landfill	NO	NO
			0.00	0.00	Waste/ Landfill	NO	NO
			0.00	0.00	Waste/ Landfill	NO	NO
			0.01	3.46	Waste/ Landfill	NO	NO
1.07			3.07	1062.22	Waste/ Landfill	NO	NO
	0.10	0.89	0.99	342.54	Waste/ Landfill	NO	NO
			0.00	0.00	Waste/ Landfill	NO	NO
			0.00	0.00	Waste/ Landfill	NO	NO
			0.00	0.00	Waste/ Landfill	YES	NO
			0.00	0.00	Waste/ Landfill	YES	NO
			0.10	34.60	Waste/ Landfill	NO	NO
0.03	0.05	0.05	1.54	533.53	Waste/ Landfill	NO	NO
			0.00	0.00	Waste/ Landfill	NO	NO
1.10	24.40	10.70	60.86	21,057.18			
1.10	24.40	10.70	96.80	33,492.80			
100.00%	100.00%	100.00%	62.87%	62.87%			

Suncor Sustainability Centre Landfill Sort

Sorting Date/ Time	Location					Stream	Recyclable On Campus	Recyclable On Campus
Wednesday, December 5 - 6, 2018 (5:30 PM - 3:00 AM)	Hallway	Hallway	Washroom				YES/NO	YES/NO
	Hallway Across Kitchen	Hallway Across Kitchen (Non-Recyclable Waste)	Washroom	Total	Total		YES/NO	YES/NO
Sorting Item	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable	Potentially Recyclable
Office Paper	0.02			0.02	7.61	Paper	YES	YES
Newspaper and Mixed Paper		0.24		0.24	83.04	Paper	YES	YES
Boxboard				0.00	0.00	Paper	YES	YES
Molded Pulp Containers				0.00	0.00	Paper	YES	YES
Cardboard (OCC)				0.00	0.00	Paper	YES	YES
Polycoat/Aseptic Containers				0.00	0.00	Containers	YES	YES
#1 (PET)	0.04	0.01		0.05	17.30	Containers	YES	YES
#2 (HDPE)				0.00	0.00	Containers	YES	YES
#3 (PVC)				0.00	0.00	Containers	YES	YES
#4 (LDPE)				0.00	0.00	Containers	YES	YES
#5 (PP)				0.00	0.00	Containers	YES	YES
#6 (PS)(Rigid)		0.02		0.02	8.30	Containers	YES	YES
#7 (Other)				0.00	0.00	Containers	YES	YES
Food and Beverage Cans				0.00	0.00	Containers	YES	YES
Food and Beverage (Clear and Coloured) Glass				0.00	0.00	Containers	YES	YES
Office Supplies (Recyclable)				0.00	0.00	Containers	YES	YES
Paper Towels				0.00	0.00	Waste/ Landfill	NO	NO
Paper Cups				0.00	0.00	Waste/ Landfill	NO	NO
Non-Recyclable Paper		0.02		0.02	8.30	Waste/ Landfill	NO	NO
Loose Film Bags (#4)				0.00	0.00	Waste/ Landfill	NO	NO
Laminated Film	0.06	0.01		0.06	21.11	Waste/ Landfill	NO	NO
Other Plastic	0.02	0.24		0.26	90.65	Waste/ Landfill	NO	NO
Other Glass				0.00	0.00	Waste/ Landfill	NO	NO
Other Metal				0.00	0.00	Waste/ Landfill	NO	NO
Pre-Consumer Food and Beverage				0.00	0.00	Waste/ Landfill	NO	YES
Post-Consumer Food and Beverage	0.96			0.96	331.12	Waste/ Landfill	NO	YES
Wood Pallets				0.00	0.00	Waste/ Landfill	NO	NO
Other Wood				0.00	0.00	Waste/ Landfill	NO	NO
Electronics				0.00	0.00	Waste/ Landfill	NO	NO
Cartridges				0.00	0.00	Waste/ Landfill	NO	NO
Construction and Demolition				0.00	0.00	Waste/ Landfill	NO	NO
Office Supplies (Reusable)				0.00	0.00	Waste/ Landfill	NO	NO
Unclassified				0.00	0.00	Waste/ Landfill	NO	NO
Washroom Waste			0.60	0.60	207.60	Waste/ Landfill	NO	NO
Textiles				0.00	0.00	Waste/ Landfill	NO	NO
Textiles				0.00	0.00	Waste/ Landfill	NO	NO
Batteries				0.00	0.00	Waste/ Landfill	NO	NO
Fluorescent Bulbs				0.00	0.00	Waste/ Landfill	YES	NO
Other hazardous Waste				0.00	0.00	Waste/ Landfill	YES	NO
Leaf and Yard Waste				0.00	0.00	Waste/ Landfill	YES	NO
#6 (PS) (Expanded Foam)				0.00	0.00	Waste/ Landfill	NO	NO
Coffee Cups		0.06		0.06	20.76	Waste/ Landfill	NO	NO
Fountain Cups				0.00	0.00	Waste/ Landfill	NO	NO
Total (Kg)	1.10	0.60	0.60	2.30	795.80			
Total Bag Weights (Kg)	1.10	0.60	0.60	2.30	795.80			
Percentage of Bag Weights Sorted (Kg)	100.00%	100.00%	100.00%	100.00%	100.00%			

Skilled Trades Training Centre Landfill Sort

Sorting Date/ Time	Location						Stream	Recyclable On Campus	Recyclable On Campus
Wednesday, December 5 - 6, 2018 (5:30 PM - 3:00 AM)	STTC Outdoor Landfill Steel Bin L15	STTC Shops Landfill	STTC Classroom	STTC Washroom Landfill	Total	Total		YES/NO	YES/NO
Sorting Item	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable	Potentially Recyclable
Office Paper	0.05		0.0186		0.0686	23.7356	Paper	YES	YES
Newspaper and Mixed Paper				0.01	0.01	3.46	Paper	YES	YES
Boxboard			0.0204		0.0204	7.0584	Paper	YES	YES
Molded Pulp Containers					0	0	Paper	YES	YES
Cardboard (OCC)			0.112		0.112	38.752	Paper	YES	YES
Polycat/Aseptic Containers					0	0	Containers	YES	YES
#1 (PET)	0.05		0.005		0.055	19.03	Containers	YES	YES
#2 (HDPE)					0	0	Containers	YES	YES
#3 (PVC)					0	0	Containers	YES	YES
#4 (LDPE)					0	0	Containers	YES	YES
#5 (PP)					0	0	Containers	YES	YES
#6 (PS) [Rigid]	0.05	0.0015			0.0515	17.819	Containers	YES	YES
#7 (Other)					0	0	Containers	YES	YES
Food and Beverage Cans	0.05				0.05	17.3	Containers	YES	YES
Food and Beverage (Clear and Coloured) Glass					0	0	Containers	YES	YES
Office Supplies (Recyclable)					0	0	Containers	YES	YES
Paper Towels	0.05	1.425	0.04	0.49	2.005	693.73	Waste/ Landfill	NO	NO
Paper Cups					0	0	Waste/ Landfill	NO	NO
Non-Recyclable Paper	0.05				0.05	17.3	Waste/ Landfill	NO	NO
Loose Film Bags (#4)		0.0045			0.0045	1.557	Waste/ Landfill	NO	NO
Laminated Film	0.05	0.0015	0.004		0.0555	19.203	Waste/ Landfill	NO	NO
Other Plastic	0.05				0.05	17.3	Waste/ Landfill	NO	NO
Other Glass					0	0	Waste/ Landfill	NO	NO
Other Metal					0.00	0.00	Waste/ Landfill	NO	NO
Pre-Consumer Food and Beverage					0.00	0.00	Waste/ Landfill	NO	YES
Post-Consumer Food and Beverage		0.06	0.20		0.26	91.00	Waste/ Landfill	NO	YES
Wood Pallets					0.00	0.00	Waste/ Landfill	NO	NO
Other Wood					0.00	0.00	Waste/ Landfill	NO	NO
Electronics					0.00	0.00	Waste/ Landfill	NO	NO
Cartridges					0.00	0.00	Waste/ Landfill	NO	NO
Construction and Demolition					0.00	0.00	Waste/ Landfill	NO	NO
Office Supplies (Reusable)					0.00	0.00	Waste/ Landfill	NO	NO
Unclassified	0.70				0.70	242.20	Waste/ Landfill	NO	NO
Washroom Waste					0.00	0.00	Waste/ Landfill	NO	NO
Textiles					0.00	0.00	Waste/ Landfill	NO	NO
Textiles					0.00	0.00	Waste/ Landfill	NO	NO
Batteries					0.00	0.00	Waste/ Landfill	NO	NO
Fluorescent Bulbs					0.00	0.00	Waste/ Landfill	YES	NO
Other hazardous Waste					0.00	0.00	Waste/ Landfill	YES	NO
Leaf and Yard Waste					0.00	0.00	Waste/ Landfill	YES	NO
#6 (PS) (Expanded Foam)					0.00	0.00	Waste/ Landfill	NO	NO
Coffee Cups	0.10	0.00			0.10	36.16	Waste/ Landfill	NO	NO
Fountain Cups					0.00	0.00	Waste/ Landfill	NO	NO
Total (Kg)	1.20	1.50	0.40	0.50	3.60	1,245.60			
Total Bag Weights (Kg)	1.20	1.50	0.40	0.50	3.60	1,245.60			
Percentage of Bag Weights Sorted (Kg)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%			

Community Employment Services (Petrolia Site) Landfill Sort

Sorting Date/ Time	Location						Stream	Recyclable On Campus	Recyclable On Campus	
Thursday, December 6, 2018 (5:30 PM - 11:30 PM)	CES Petrolia Washroom Waste	CES Petrolia Office	CES Petrolia Office	CES Petrolia Cafeteria 125	CES Petrolia Office	Total		YES/NO	YES/NO	
Sorting Item	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable	Potentially Recyclable
Office Paper		0.0065			0.09	0.0965	33.389	Paper	YES	YES
Newspaper and Mixed Paper		0.13	0.05	0.05	0.047	0.277	95.842	Paper	YES	YES
Boxboard		0.0065		0.05	0.047	0.1035	35.811	Paper	YES	YES
Molded Pulp Containers			0.1		0.047	0.147	50.862	Paper	YES	YES
Cardboard (OCC)						0	0	Paper	YES	YES
Polycoat/Aseptic Containers					0.047	0.047	16.262	Containers	YES	YES
#1 (PET)			0.05		0.09	0.14	48.44	Containers	YES	YES
#2 (HDPE)						0	0	Containers	YES	YES
#3 (PVC)						0	0	Containers	YES	YES
#4 (LDPE)						0	0	Containers	YES	YES
#5 (PP)		0.26		0.04		0.3	103.8	Containers	YES	YES
#6 (PS)(Rigid)			0.05	0.04	0.047	0.137	47.402	Containers	YES	YES
#7 (Other)						0	0	Containers	YES	YES
Food and Beverage Cans		0.104	0.2		0.09	0.394	136.324	Containers	YES	YES
Food and Beverage (Clear and Coloured) Glass						0	0	Containers	YES	YES
Office Supplies (Recyclable)						0	0	Containers	YES	YES
Paper Towels	0.1	0.78	0.2	0.07	0.5	1.65	570.9	Waste/ Landfill	NO	NO
Paper Cups						0	0	Waste/ Landfill	NO	NO
Non-Recyclable Paper					0.047	0.047	16.262	Waste/ Landfill	NO	NO
Loose Film Bags (#4)		0.0065	0.05	0.04		0.0965	33.389	Waste/ Landfill	NO	NO
Laminated Film		0.0065	0.05	0.04	0.046	0.1425	49.305	Waste/ Landfill	NO	NO
Other Plastic			0.1		0.046	0.146	50.516	Waste/ Landfill	NO	NO
Other Glass						0	0	Waste/ Landfill	NO	NO
Other Metal						0	0	Waste/ Landfill	NO	NO
Pre-Consumer Food and Beverage						0	0	Waste/ Landfill	NO	YES
Post-Consumer Food and Beverage		1.3	0.4	0.33	1.32	3.35	1159.1	Waste/ Landfill	NO	YES
Wood Pallets						0	0	Waste/ Landfill	NO	NO
Other Wood						0	0	Waste/ Landfill	NO	NO
Electronics						0	0	Waste/ Landfill	NO	NO
Cartridges						0	0	Waste/ Landfill	NO	NO
Construction and Demolition						0	0	Waste/ Landfill	NO	NO
Office Supplies (Reusable)						0	0	Waste/ Landfill	NO	NO
Unclassified						0	0	Waste/ Landfill	NO	NO
Washroom Waste	0.3					0.3	103.8	Waste/ Landfill	NO	NO
Textiles						0	0	Waste/ Landfill	NO	NO
Textiles						0	0	Waste/ Landfill	NO	NO
Batteries						0	0	Waste/ Landfill	NO	NO
Fluorescent Bulbs						0	0	Waste/ Landfill	YES	NO
Other hazardous Waste						0	0	Waste/ Landfill	YES	NO
Leaf and Yard Waste						0	0	Waste/ Landfill	YES	NO
#6 (PS) (Expanded Foam)					0.046	0.046	15.916	Waste/ Landfill	NO	NO
Coffee Cups			0.1	0.04	0.09	0.23	79.58	Waste/ Landfill	NO	NO
Fountain Cups						0	0	Waste/ Landfill	NO	NO
Total (Kg)	0.4	2.6	1.35	0.7	2.6	7.65	2,646.90			
Total Bag Weights (Kg)	0.40	2.60	1.40	0.70	2.60	7.70	2,664.20			
Percentage of Bag Weights Sorted (Kg)	100.00%	100.00%	96.43%	100.00%	100.00%	99.35%	99.35%			

Fire & Public Safety Centre of Excellence Landfill Sort

Sorting Date/ Time	Location								Stream	Recyclable On Campus	Recyclable On Campus
Thursday, December 6, 2018 (5:30 PM - 11:30 PM)	FS Classroom First Floor Waste	FS Washroom/ Changeroom Waste	FS Office Waste	FS Classroom Waste	FS Hallway Waste	FS Cafeteria Waste	Total			YES/NO	YES/NO
Sorting Item	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)		Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting Paper	Recyclable	Potentially Recyclable
Office Paper							0	0		YES	YES
Newspaper and Mixed Paper				0.049		0.05	0.099	34.254	Paper	YES	YES
Boxboard				0.29		0.05	0.34	117.64	Paper	YES	YES
Molded Pulp Containers	0.05			0.048		0.25	0.348	120.408	Paper	YES	YES
Cardboard (OCC)							0	0	Paper	YES	YES
Polycoat/ Aseptic Containers				0.05		0.04	0.09	31.14	Containers	YES	YES
#1 (PET)	0.05	0.04	0.02	0.39			0.5	173	Containers	YES	YES
#2 (HDPE)							0	0	Containers	YES	YES
#3 (PVC)							0	0	Containers	YES	YES
#4 (LDPE)							0	0	Containers	YES	YES
#5 (PP)							0	0	Containers	YES	YES
#6 (PS) (Rigid)	0.05	0.04	0.04	0.048		0.04	0.218	75.428	Containers	YES	YES
#7 (Other)							0	0	Containers	YES	YES
Food and Beverage Cans			0.02	0.048			0.068	23.528	Containers	YES	YES
Food and Beverage (Clear and Coloured) Glass							0	0	Containers	YES	YES
Office Supplies (Recyclable)							0	0	Containers	YES	YES
Paper Towels	0.09	0.16	0.15	0.58		0.16	1.14	394.44	Waste/ Landfill	NO	NO
Paper Cups			0.04				0.04	13.84	Waste/ Landfill	NO	NO
Non-Recyclable Paper				0.048		0.04	0.088	30.448	Waste/ Landfill	NO	NO
Loose Film Bags (#4)				0.048		0.08	0.128	44.288	Waste/ Landfill	NO	NO
Laminated Film	0.1	0.04		0.048			0.188	65.048	Waste/ Landfill	NO	NO
Other Plastic	0.05			0.048		0.04	0.138	47.748	Waste/ Landfill	NO	NO
Other Glass							0	0	Waste/ Landfill	NO	NO
Other Metal							0	0	Waste/ Landfill	NO	NO
Pre-Consumer Food and Beverage							0	0	Waste/ Landfill	NO	YES
Post-Consumer Food and Beverage	1.1	0.32	0.04	1.06		0.33	2.85	986.1	Waste/ Landfill	NO	YES
Wood Pallets							0	0	Waste/ Landfill	NO	NO
Other Wood							0	0	Waste/ Landfill	NO	NO
Electronics							0	0	Waste/ Landfill	NO	NO
Cartridges							0	0	Waste/ Landfill	NO	NO
Construction and Demolition							0	0	Waste/ Landfill	NO	NO
Office Supplies (Reusable)							0	0	Waste/ Landfill	NO	NO
Unclassified			0.15				0.15	51.9	Waste/ Landfill	NO	NO
Washroom Waste						0.16	0.16	55.36	Waste/ Landfill	NO	NO
Textiles							0	0	Waste/ Landfill	NO	NO
Textiles							0	0	Waste/ Landfill	NO	NO
Batteries							0	0	Waste/ Landfill	NO	NO
Fluorescent Bulbs							0	0	Waste/ Landfill	YES	NO
Other hazardous Waste							0	0	Waste/ Landfill	YES	NO
Leaf and Yard Waste							0	0	Waste/ Landfill	YES	NO
#6 (PS) (Expanded Foam)				0.048			0.048	16.608	Waste/ Landfill	NO	NO
Coffee Cups	0.1		0.04	0.097		0.16	0.397	137.362	Waste/ Landfill	NO	NO
Fountain Cups							0	0	Waste/ Landfill	NO	NO
Total (Kg)	1.59	0.6	0.5	2.9		1.4	6.99	2,418.54			
Total Bag Weights (Kg)	1.70	0.80	0.50	2.90	13.90	1.40	21.00	7,266.00			
Percentage of Bag Weights Sorted (Kg)	93.53%	100.00%	100.00%	100.00%	0.00%	100.00%	33.29%	33.29%			

North Building Landfill Sort

Sorting Date/ Time	Location							Stream	Recyclable On Campus		
	NB Office Landfill	NB Classroom Waste	NB Washroom Waste	NB Outside Waste	NB Lounge Waste	NB Hallway Non-Recyclable Waste	Total		YES/NO	YES/NO	
Wednesday, December 5 - 6, 2018 (5:30 PM - 3:00 AM)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable	Potentially Recyclable
Office Paper	0.2			0.01		0.008	0.218	75.428	Paper	YES	YES
Newspaper and Mixed Paper	0.01			0.01			0.02	6.92	Paper	YES	YES
Boxboard	0.01		0.01	0.01			0.03	10.38	Paper	YES	YES
Molded Pulp Containers							0	0	Paper	YES	YES
Cardboard (OCC)							0	0	Paper	YES	YES
Polycat/Aseptic Containers						0.008	0.008	2.768	Containers	YES	YES
#1 (PET)	0.01						0.01	3.46	Containers	YES	YES
#2 (HDPE)							0	0	Containers	YES	YES
#3 (PVC)							0	0	Containers	YES	YES
#4 (LDPE)							0	0	Containers	YES	YES
#5 (PP)					0.01		0.01	3.46	Containers	YES	YES
#6 (PS)(Rigid)	0.01			0.01	0.01	0.01	0.04	13.84	Containers	YES	YES
#7 (Other)							0	0	Containers	YES	YES
Food and Beverage Cans	0.01						0.01	3.46	Containers	YES	YES
Food and Beverage (Clear and Coloured) Glass							0	0	Containers	YES	YES
Office Supplies (Recyclable)							0	0	Containers	YES	YES
Paper Towels	3.1		1.09	0.1	0.01	0.025	4.325	1496.45	Waste/ Landfill	NO	NO
Paper Cups	0.01						0.01	3.46	Waste/ Landfill	NO	NO
Non-Recyclable Paper				0.01			0.01	3.46	Waste/ Landfill	NO	NO
Loose Film Bags (#4)				0.01		0.008	0.018	6.228	Waste/ Landfill	NO	NO
Laminated Film		0.01		0.01	0.01	0.008	0.038	13.148	Waste/ Landfill	NO	NO
Other Plastic					0.01	0.008	0.018	6.228	Waste/ Landfill	NO	NO
Other Glass							0	0	Waste/ Landfill	NO	NO
Other Metal							0	0	Waste/ Landfill	NO	NO
Pre-Consumer Food and Beverage							0	0	Waste/ Landfill	NO	YES
Post-Consumer Food and Beverage	2.7					0.5	3.2	1107.2	Waste/ Landfill	NO	YES
Wood Pallets							0	0	Waste/ Landfill	NO	NO
Other Wood							0	0	Waste/ Landfill	NO	NO
Electronics							0	0	Waste/ Landfill	NO	NO
Cartridges							0	0	Waste/ Landfill	NO	NO
Construction and Demolition							0	0	Waste/ Landfill	NO	NO
Office Supplies (Reusable)							0	0	Waste/ Landfill	NO	NO
Unclassified		1.1					1.1	380.6	Waste/ Landfill	NO	NO
Washroom Waste			0.2				0.2	69.2	Waste/ Landfill	NO	NO
Textiles							0	0	Waste/ Landfill	NO	NO
Textiles							0	0	Waste/ Landfill	NO	NO
Batteries							0	0	Waste/ Landfill	NO	NO
Fluorescent Bulbs							0	0	Waste/ Landfill	YES	NO
Other hazardous Waste							0	0	Waste/ Landfill	YES	NO
Leaf and Yard Waste							0	0	Waste/ Landfill	YES	NO
#6 (PS) (Expanded Foam)				0.01			0.01	3.46	Waste/ Landfill	NO	NO
Coffee Cups				0.01		0.025	0.035	12.11	Waste/ Landfill	NO	NO
Fountain Cups							0	0	Waste/ Landfill	NO	NO
Total (Kg)	6.06	1.11	1.3	0.19	0.05	0.6	9.31	3,221.26			
Total Bag Weights (Kg)	6.70	2.50	1.30	1.90	0.05	0.60	13.05	4,515.30			
Percentage of Bag Weights Sorted (Kg)	90.45%	44.40%	100.00%	10.00%	100.00%	100.00%	71.34%	71.34%			

South Building Containers Sort												Stream	Recyclable On Campus	
Sorting Date/ Time	Location									SB-Total	SB-Total			
Monday, December 3 - 4, 2018 (5:30 PM - 3:30 AM)														YES/NO
Tuesday, December 4 - 5, 2018 (5:30 PM - 3:00 AM)	SB-Outdoor Cans & Bottles bus stop at bridge entrance O1	SB-C&D Block Hallway Plastic/Cans	SB- B1-131 Upper Cafeteria Plastic/ Cans	SB- B0-107 Lower Cafeteria Plastic/ Cans	Gymnasium Plastic Containers/ Cans	SB-A&B Classroom Plastic Containers	SB- C&D Offices Plastic Containers	SB- C&D Staff Lounge Plastic/ Cans	SB-Total	SB-Total				
Sorting Item	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Annual Total (kg)	Sorting	Recyclable	
Office Paper									0.00	0.00		Paper	YES	
Newspaper and Mixed Paper									0.00	0.00		Paper	YES	
Boxboard				0.05					0.05	17.30		Paper	YES	
Molded Pulp Containers				0.18					0.18	62.28		Paper	YES	
Cardboard (OCC)									0.00	0.00		Paper	YES	
Polycarb/Aseptic Containers		0.05							0.05	17.30		Containers	YES	
#1 (PET)	0.20	0.70	0.95	1.00	0.02	0.20	0.06	0.04	3.18	1,099.14		Containers	YES	
#2 (HDPE)						0.05		0.01	0.06	21.66		Containers	YES	
#3 (PVC)									0.00	0.00		Containers	YES	
#4 (LDPE)									0.00	0.00		Containers	YES	
#5 (PP)			0.04			0.05		0.00	0.10	34.50		Containers	YES	
#6 (PS)(Rigid)	0.10	0.05	0.13	0.04					0.32	111.17		Containers	YES	
#7 (Other)	0.05		0.04						0.09	31.14		Containers	YES	
Food and Beverage Cans	0.20	0.20	0.17	0.10			0.63	0.54	1.84	636.64		Containers	YES	
Food and Beverage (Clear and Coloured) Glass					0.02	0.70			0.72	249.47		Containers	YES	
Office Supplies (Recyclable)									0.00	0.00		Containers	YES	
Paper Towels	0.10		0.04	0.05					0.19	65.74		Waste/ Landfill	NO	
Paper Cups									0.00	0.00		Waste/ Landfill	NO	
Non-Recyclable Paper									0.00	0.00		Waste/ Landfill	NO	
Loose Film Bags (H)			0.05	0.27		0.05			0.37	128.02		Waste/ Landfill	NO	
Laminated Film	0.08	0.05	0.04	0.04	0.02	0.05	0.00		0.24	83.63		Waste/ Landfill	NO	
Other Plastic	0.05	0.01	0.05	0.05		0.20			0.36	124.56		Waste/ Landfill	NO	
Other Glass									0.00	0.00		Waste/ Landfill	NO	
Other Metal									0.00	0.00		Waste/ Landfill	NO	
Pre-Consumer Food and Beverage									0.00	0.00		Waste/ Landfill	NO	
Post-Consumer Food and Beverage	0.60	0.40	1.21	1.64	2.04	0.10			5.99	2,071.50		Waste/ Landfill	NO	
Wood Pallets									0.00	0.00		Waste/ Landfill	NO	
Other Wood									0.00	0.00		Waste/ Landfill	NO	
Electronics									0.00	0.00		Waste/ Landfill	NO	
Cartridges									0.00	0.00		Waste/ Landfill	NO	
Construction and Demolition									0.00	0.00		Waste/ Landfill	NO	
Office Supplies (Reusable)									0.00	0.00		Waste/ Landfill	NO	
Unclassified									0.00	0.00		Waste/ Landfill	NO	
Washroom Waste									0.00	0.00		Waste/ Landfill	NO	
Textiles									0.00	0.00		Waste/ Landfill	NO	
Textiles									0.00	0.00		Waste/ Landfill	NO	
Batteries									0.00	0.00		Waste/ Landfill	YES	
Fluorescent Bulbs									0.00	0.00		Waste/ Landfill	YES	
Other hazardous Waste									0.00	0.00		Waste/ Landfill	YES	
Leaf and Yard Waste									0.00	0.00		Waste/ Landfill	NO	
#6 (PS) (Expanded Foam)									0.00	0.00		Waste/ Landfill	NO	
Coffee Cups	0.10	0.05	0.17	0.18		0.05			0.55	190.30		Waste/ Landfill	NO	
Fountain Cups	0.10								0.10	34.60		Waste/ Landfill	NO	
Total (kg)	1.50	1.54	2.90	3.60	2.10	1.45	0.70	0.60	14.29	4,944.34				
Total Bag Weights (kg)	6.70	2.50	2.90	3.60	2.10	4.50	0.80	0.60	23.70	8,200.20				
Percentage of Bag Weights Sorted (kg)	22.39%	61.60%	100.00%	100.00%	100.00%	32.22%	87.50%	100.00%	60.30%	60.30%				

Lambton INN Residence & Event Centre Containers Sort

Sorting Date/ Time	Location			Stream	Recyclable On Campus
Wednesday, December 5 - 6, 2018 (5:30 PM - 3:00 AM)					
Thursday, December 6, 2018 (5:30 PM - 11:30 PM)	LI Recycling Classroom	Total	Total		YES/NO
Sorting Item	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable
Office Paper	0.01	0.01	3.46	Paper	YES
Newspaper and Mixed Paper		0.00	0.00	Paper	YES
Boxboard		0.00	0.00	Paper	YES
Molded Pulp Containers		0.00	0.00	Paper	YES
Cardboard (OCC)	0.30	0.30	103.80	Paper	YES
Polycoat/Aseptic Containers		0.00	0.00	Containers	YES
#1 (PET)	0.20	0.20	69.20	Containers	YES
#2 (HDPE)	0.30	0.30	103.80	Containers	YES
#3 (PVC)		0.00	0.00	Containers	YES
#4 (LDPE)		0.00	0.00	Containers	YES
#5 (PP)		0.00	0.00	Containers	YES
#6 (PS)(Rigid)	0.03	0.03	10.38	Containers	YES
#7 (Other)		0.00	0.00	Containers	YES
Food and Beverage Cans	0.03	0.03	10.38	Containers	YES
Food and Beverage (Clear and Coloured) Glass		0.00	0.00	Containers	YES
Office Supplies (Recyclable)		0.00	0.00	Containers	YES
Paper Towels		0.00	0.00	Waste/ Landfill	NO
Paper Cups		0.00	0.00	Waste/ Landfill	NO
Non-Recyclable Paper	0.01	0.01	3.46	Waste/ Landfill	NO
Loose Film Bags (#4)		0.00	0.00	Waste/ Landfill	NO
Laminated Film		0.00	0.00	Waste/ Landfill	NO
Other Plastic		0.00	0.00	Waste/ Landfill	NO
Other Glass		0.00	0.00	Waste/ Landfill	NO
Other Metal		0.00	0.00	Waste/ Landfill	NO
Pre-Consumer Food and Beverage		0.00	0.00	Waste/ Landfill	NO
Post-Consumer Food and Beverage	0.19	0.19	65.74	Waste/ Landfill	NO
Wood Pallets		0.00	0.00	Waste/ Landfill	NO
Other Wood		0.00	0.00	Waste/ Landfill	NO
Electronics		0.00	0.00	Waste/ Landfill	NO
Cartridges		0.00	0.00	Waste/ Landfill	NO
Construction and Demolition		0.00	0.00	Waste/ Landfill	NO
Office Supplies (Reusable)		0.00	0.00	Waste/ Landfill	NO
Unclassified		0.00	0.00	Waste/ Landfill	NO
Washroom Waste		0.00	0.00	Waste/ Landfill	NO
Textiles		0.00	0.00	Waste/ Landfill	NO
Textiles		0.00	0.00	Waste/ Landfill	NO
Batteries		0.00	0.00	Waste/ Landfill	YES
Fluorescent Bulbs		0.00	0.00	Waste/ Landfill	YES
Other hazardous Waste		0.00	0.00	Waste/ Landfill	YES
Leaf and Yard Waste		0.00	0.00	Waste/ Landfill	NO
#6 (PS) (Expanded Foam)		0.00	0.00	Waste/ Landfill	NO
Coffee Cups	0.03	0.03	10.38	Waste/ Landfill	NO
Fountain Cups					
Total (Kg)	1.10	1.10	380.60		
Total Bag Weights (Kg)	1.10	1.10	380.60		
Percentage of Bag Weights Sorted (Kg)	100.00%	100.00%	100.00%		

Suncor Sustainability Centre Containers Sort

Sorting Date/ Time	Location	Total	Total	Stream	Recyclable On Campus
Wednesday, December 5 - 6, 2018 (5:30 PM - 3:00 AM)	Suncor Plastic/Cans Hallway	Total	Total		YES/NO
Sorting Item	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable
Office Paper		0.00	0.00	Paper	YES
Newspaper and Mixed Paper		0.00	0.00	Paper	YES
Boxboard		0.00	0.00	Paper	YES
Molded Pulp Containers		0.00	0.00	Paper	YES
Cardboard (OCC)		0.00	0.00	Paper	YES
Polycoat/Aseptic Containers	0.02	0.02	6.92	Containers	YES
#1 (PET)	0.00	0.00	1.38	Containers	YES
#2 (HDPE)		0.00	0.00	Containers	YES
#3 (PVC)		0.00	0.00	Containers	YES
#4 (LDPE)		0.00	0.00	Containers	YES
#5 (PP)		0.00	0.00	Containers	YES
#6 (PS)(Rigid)		0.00	0.00	Containers	YES
#7 (Other)		0.00	0.00	Containers	YES
Food and Beverage Cans		0.00	0.00	Containers	YES
Food and Beverage (Clear and Coloured) Glass		0.00	0.00	Containers	YES
Office Supplies (Recyclable)		0.00	0.00	Containers	YES
Paper Towels	0.00	0.00	1.38	Waste/ Landfill	NO
Paper Cups		0.00	0.00	Waste/ Landfill	NO
Non-Recyclable Paper		0.00	0.00	Waste/ Landfill	NO
Loose Film Bags (#4)		0.00	0.00	Waste/ Landfill	NO
Laminated Film	0.01	0.01	4.15	Waste/ Landfill	NO
Other Plastic		0.00	0.00	Waste/ Landfill	NO
Other Glass		0.00	0.00	Waste/ Landfill	NO
Other Metal		0.00	0.00	Waste/ Landfill	NO
Pre-Consumer Food and Beverage		0.00	0.00	Waste/ Landfill	NO
Post-Consumer Food and Beverage	0.36	0.36	124.56	Waste/ Landfill	NO
Wood Pallets		0.00	0.00	Waste/ Landfill	NO
Other Wood		0.00	0.00	Waste/ Landfill	NO
Electronics		0.00	0.00	Waste/ Landfill	NO
Cartridges		0.00	0.00	Waste/ Landfill	NO
Construction and Demolition		0.00	0.00	Waste/ Landfill	NO
Office Supplies (Reusable)		0.00	0.00	Waste/ Landfill	NO
Unclassified		0.00	0.00	Waste/ Landfill	NO
Washroom Waste		0.00	0.00	Waste/ Landfill	NO
Textiles		0.00	0.00	Waste/ Landfill	NO
Textiles		0.00	0.00	Waste/ Landfill	NO
Batteries		0.00	0.00	Waste/ Landfill	YES
Fluorescent Bulbs		0.00	0.00	Waste/ Landfill	YES
Other hazardous Waste		0.00	0.00	Waste/ Landfill	YES
Leaf and Yard Waste		0.00	0.00	Waste/ Landfill	NO
#6 (PS) (Expanded Foam)		0.00	0.00	Waste/ Landfill	NO
Coffee Cups		0.00	0.00	Waste/ Landfill	NO
Fountain Cups					
Total (Kg)	0.40	0.40	138.40		
Total Bag Weights (Kg)	0.40	0.40	138.40		
Percentage of Bag Weights Sorted (Kg)	100.00%	100.00%	100.00%		

Skilled Trades Training Centre Containers Sort

Sorting Date/ Time	Location		Stream	Recyclable On Campus	
Wednesday, December 5 - 6, 2018 (5:30 PM - 3:00 AM)	STTC Cans Hallway			YES/NO	
Sorting Item		Total	Total		
		Day Totals (kg)	Annual Total (kg)	Sorting	
				Recyclable	
Office Paper		0.00	0.00	Paper	YES
Newspaper and Mixed Paper		0.00	0.00	Paper	YES
Boxboard		0.00	0.00	Paper	YES
Molded Pulp Containers		0.00	0.00	Paper	YES
Cardboard (OCC)		0.00	0.00	Paper	YES
Polycoat/Aseptic Containers		0.00	0.00	Containers	YES
#1 (PET)		0.00	0.00	Containers	YES
#2 (HDPE)		0.00	0.00	Containers	YES
#3 (PVC)		0.00	0.00	Containers	YES
#4 (LDPE)		0.00	0.00	Containers	YES
#5 (PP)		0.00	0.00	Containers	YES
#6 (PS)(Rigid)	0.02	0.02	6.92	Containers	YES
#7 (Other)		0.00	0.00	Containers	YES
Food and Beverage Cans	0.08	0.08	27.68	Containers	YES
Food and Beverage (Clear and Coloured) Glass		0.00	0.00	Containers	YES
Office Supplies (Recyclable)		0.00	0.00	Containers	YES
Paper Towels		0.00	0.00	Waste/ Landfill	NO
Paper Cups		0.00	0.00	Waste/ Landfill	NO
Non-Recyclable Paper		0.00	0.00	Waste/ Landfill	NO
Loose Film Bags (#4)		0.00	0.00	Waste/ Landfill	NO
Laminated Film		0.00	0.00	Waste/ Landfill	NO
Other Plastic		0.00	0.00	Waste/ Landfill	NO
Other Glass		0.00	0.00	Waste/ Landfill	NO
Other Metal		0.00	0.00	Waste/ Landfill	NO
Pre-Consumer Food and Beverage		0.00	0.00	Waste/ Landfill	NO
Post-Consumer Food and Beverage		0.00	0.00	Waste/ Landfill	NO
Wood Pallets		0.00	0.00	Waste/ Landfill	NO
Other Wood		0.00	0.00	Waste/ Landfill	NO
Electronics		0.00	0.00	Waste/ Landfill	NO
Cartridges		0.00	0.00	Waste/ Landfill	NO
Construction and Demolition		0.00	0.00	Waste/ Landfill	NO
Office Supplies (Reusable)		0.00	0.00	Waste/ Landfill	NO
Unclassified		0.00	0.00	Waste/ Landfill	NO
Washroom Waste		0.00	0.00	Waste/ Landfill	NO
Textiles		0.00	0.00	Waste/ Landfill	NO
Textiles		0.00	0.00	Waste/ Landfill	NO
Batteries		0.00	0.00	Waste/ Landfill	YES
Fluorescent Bulbs		0.00	0.00	Waste/ Landfill	YES
Other hazardous Waste		0.00	0.00	Waste/ Landfill	YES
Leaf and Yard Waste		0.00	0.00	Waste/ Landfill	NO
#6 (PS) (Expanded Foam)		0.00	0.00	Waste/ Landfill	NO
Coffee Cups		0.00	0.00	Waste/ Landfill	NO
Fountain Cups		0.00	0.00	Waste/ Landfill	NO
Total (Kg)	0.10	0.10	34.60		
Total Bag Weights (Kg)	0.10	0.10	34.60		
Percentage of Bag Weights Sorted (Kg)	100.00%	100.00%	100.00%		

Community Employment Services (Petrolia Site) Containers Sort

Sorting Date/ Time	Location				Stream	Recyclable On Campus
			Total	Total		YES/NO
Thursday, December 6, 2018 (5: 30 PM - 11:30 PM)						
Sorting Item	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable
Office Paper			0	0	Paper	YES
Newspaper and Mixed Paper			0	0	Paper	YES
Boxboard			0	0	Paper	YES
Molded Pulp Containers			0	0	Paper	YES
Cardboard (OCC)			0	0	Paper	YES
Polycoat/Aseptic Containers			0	0	Containers	YES
#1 (PET)			0	0	Containers	YES
#2 (HDPE)			0	0	Containers	YES
#3 (PVC)			0	0	Containers	YES
#4 (LDPE)			0	0	Containers	YES
#5 (PP)			0	0	Containers	YES
#6 (PS)(Rigid)			0	0	Containers	YES
#7 (Other)			0	0	Containers	YES
Food and Beverage Cans			0	0	Containers	YES
Food and Beverage (Clear and Coloured) Glass			0	0	Containers	YES
Office Supplies (Recyclable)			0	0	Containers	YES
Paper Towels			0	0	Waste/ Landfill	NO
Paper Cups			0	0	Waste/ Landfill	NO
Non-Recyclable Paper			0	0	Waste/ Landfill	NO
Loose Film Bags (#4)			0	0	Waste/ Landfill	NO
Laminated Film			0	0	Waste/ Landfill	NO
Other Plastic			0	0	Waste/ Landfill	NO
Other Glass			0	0	Waste/ Landfill	NO
Other Metal			0	0	Waste/ Landfill	NO
Pre-Consumer Food and Beverage			0	0	Waste/ Landfill	NO
Post-Consumer Food and Beverage			0	0	Waste/ Landfill	NO
Wood Pallets			0	0	Waste/ Landfill	NO
Other Wood			0	0	Waste/ Landfill	NO
Electronics			0	0	Waste/ Landfill	NO
Cartridges			0	0	Waste/ Landfill	NO
Construction and Demolition			0	0	Waste/ Landfill	NO
Office Supplies (Reusable)			0	0	Waste/ Landfill	NO
Unclassified			0	0	Waste/ Landfill	NO
Washroom Waste			0	0	Waste/ Landfill	NO
Textiles			0	0	Waste/ Landfill	NO
Textiles			0	0	Waste/ Landfill	NO
Batteries			0	0	Waste/ Landfill	YES
Fluorescent Bulbs			0	0	Waste/ Landfill	YES
Other hazardous Waste			0	0	Waste/ Landfill	YES
Leaf and Yard Waste			0	0	Waste/ Landfill	NO
#6 (PS) (Expanded Foam)			0	0	Waste/ Landfill	NO
Coffee Cups			0	0	Waste/ Landfill	NO
Fountain Cups			0	0	Waste/ Landfill	NO
Total (Kg)	0	0	0	0		
Total Bag Weights (Kg)				0		
Percentage of Bag Weights Sorted (Kg)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		

Fire & Public Safety Centre of Excellence Containers Sort

Sorting Date/ Time	Location			Total	Total	Stream	Recyclable On Campus YES/NO
	FS Hallway Near Main Lobby Plastic/ Cans	FS Unknown Plastic/Cans					
Thursday, December 6, 2018 (5:30 PM - 11:30 PM)							
Sorting Item	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable	
Office Paper			0	0	Paper	YES	
Newspaper and Mixed Paper			0	0	Paper	YES	
Boxboard			0	0	Paper	YES	
Molded Pulp Containers			0	0	Paper	YES	
Cardboard (OCC)			0	0	Paper	YES	
Polycoat/Aseptic Containers			0	0	Containers	YES	
#1 (PET)	0.05	0.2	0.25	86.5	Containers	YES	
#2 (HDPE)		0.05	0.05	17.3	Containers	YES	
#3 (PVC)			0	0	Containers	YES	
#4 (LDPE)			0	0	Containers	YES	
#5 (PP)			0	0	Containers	YES	
#6 (PS)(Rigid)	0.03	0.05	0.08	27.68	Containers	YES	
#7 (Other)			0	0	Containers	YES	
Food and Beverage Cans	0.03	0.3	0.33	114.18	Containers	YES	
Food and Beverage (Clear and Coloured) Glass			0	0	Containers	YES	
Office Supplies (Recyclable)			0	0	Containers	YES	
Paper Towels		0.1	0.1	34.6	Waste/ Landfill	NO	
Paper Cups			0	0	Waste/ Landfill	NO	
Non-Recyclable Paper			0	0	Waste/ Landfill	NO	
Loose Film Bags (#4)	0.03	0.05	0.08	27.68	Waste/ Landfill	NO	
Laminated Film	0.03	0.05	0.08	27.68	Waste/ Landfill	NO	
Other Plastic		0.05	0.05	17.3	Waste/ Landfill	NO	
Other Glass			0	0	Waste/ Landfill	NO	
Other Metal			0	0	Waste/ Landfill	NO	
Pre-Consumer Food and Beverage		0.6	0.6	207.6	Waste/ Landfill	NO	
Post-Consumer Food and Beverage			0	0	Waste/ Landfill	NO	
Wood Pallets			0	0	Waste/ Landfill	NO	
Other Wood			0	0	Waste/ Landfill	NO	
Electronics			0	0	Waste/ Landfill	NO	
Cartridges			0	0	Waste/ Landfill	NO	
Construction and Demolition			0	0	Waste/ Landfill	NO	
Office Supplies (Reusable)			0	0	Waste/ Landfill	NO	
Unclassified			0	0	Waste/ Landfill	NO	
Washroom Waste			0	0	Waste/ Landfill	NO	
Textiles			0	0	Waste/ Landfill	NO	
Textiles			0	0	Waste/ Landfill	NO	
Batteries			0	0	Waste/ Landfill	YES	
Fluorescent Bulbs			0	0	Waste/ Landfill	YES	
Other hazardous Waste			0	0	Waste/ Landfill	YES	
Leaf and Yard Waste			0	0	Waste/ Landfill	NO	
#6 (PS) (Expanded Foam)			0	0	Waste/ Landfill	NO	
Coffee Cups	0.03		0.03	10.38	Waste/ Landfill	NO	
Fountain Cups			0	0	Waste/ Landfill	NO	
Total (Kg)	0.2	1.45	1.65	570.9			
Total Bag Weights (Kg)	0.20	1.45	1.65	570.9			
Percentage of Bag Weights Sorted (kg)	100.00%	100.00%	100.00%	100.00%			

North Building Containers Sort

Sorting Date/ Time	Location			Total	Total	Stream	Recyclable On Campus
	NB Plastic/Cans Hallway	NB Office Plastic Containers	NB Classroom Plastic/Metal				
Wednesday, December 5 - 6, 2018 (5:30 PM - 3:00 AM)							YES/NO
Sorting Item	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable
Office Paper			0.01	0.01	3.46	Paper	YES
Newspaper and Mixed Paper		0.10	0.01	0.11	38.06	Paper	YES
Boxboard	0.50			0.50	173.00	Paper	YES
Molded Pulp Containers				0.00	0.00	Paper	YES
Cardboard (OCC)				0.00	0.00	Paper	YES
Polycost/Aseptic Containers			0.01	0.01	3.46	Containers	YES
#1 (PET)		0.02	0.02	0.04	13.84	Containers	YES
#2 (HDPE)		0.05		0.05	17.30	Containers	YES
#3 (PVC)				0.00	0.00	Containers	YES
#4 (LDPE)				0.00	0.00	Containers	YES
#5 (PP)		0.03		0.03	10.38	Containers	YES
#6 (PS)(Rigid)	0.03		0.01	0.04	13.84	Containers	YES
#7 (Other)				0.00	0.00	Containers	YES
Food and Beverage Cans	0.04		0.01	0.05	17.30	Containers	YES
Food and Beverage (Clear and Coloured) Glass				0.00	0.00	Containers	YES
Office Supplies (Recyclable)				0.00	0.00	Containers	YES
Paper Towels			0.01	0.01	3.46	Waste/ Landfill	NO
Paper Cups				0.00	0.00	Waste/ Landfill	NO
Non-Recyclable Paper				0.00	0.00	Waste/ Landfill	NO
Loose Film Bags (#4)			0.01	0.01	3.46	Waste/ Landfill	NO
Laminated Film			0.01	0.01	3.46	Waste/ Landfill	NO
Other Plastic	0.01		0.01	0.02	6.92	Waste/ Landfill	NO
Other Glass				0.00	0.00	Waste/ Landfill	NO
Other Metal				0.00	0.00	Waste/ Landfill	NO
Pre-Consumer Food and Beverage				0.00	0.00	Waste/ Landfill	NO
Post-Consumer Food and Beverage	0.08		0.20	0.28	96.88	Waste/ Landfill	NO
Wood Pallets				0.00	0.00	Waste/ Landfill	NO
Other Wood				0.00	0.00	Waste/ Landfill	NO
Electronics				0.00	0.00	Waste/ Landfill	NO
Cartridges				0.00	0.00	Waste/ Landfill	NO
Construction and Demolition				0.00	0.00	Waste/ Landfill	NO
Office Supplies (Reusable)				0.00	0.00	Waste/ Landfill	NO
Unclassified				0.00	0.00	Waste/ Landfill	NO
Washroom Waste				0.00	0.00	Waste/ Landfill	NO
Textiles				0.00	0.00	Waste/ Landfill	NO
Batteries				0.00	0.00	Waste/ Landfill	YES
Fluorescent Bulbs				0.00	0.00	Waste/ Landfill	YES
Other hazardous Waste				0.00	0.00	Waste/ Landfill	YES
Leaf and Yard Waste				0.00	0.00	Waste/ Landfill	NO
#6 (PS) (Expanded Foam)				0.00	0.00	Waste/ Landfill	NO
Coffee Cups	0.04		0.09	0.13	44.98	Waste/ Landfill	NO
Fountain Cups				0.00	0.00	Waste/ Landfill	NO
Total (Kg)	0.20	0.70	0.40	1.30	449.80		
Total Bag Weights (kg)	0.20	0.70	0.40	1.30	449.80		
Percentage of Bag Weights Sorted (kg)	100.00%	100.00%	100.00%	100.00%	100.00%		

South Building Paper Sort

Sorting Date/ Time	Location						Stream	Recyclable On Campus	
Monday, December 3 - 4, 2018 (5:30 PM - 3:30 AM)									
Tuesday, December 4 - 5, 2018 (5:30 PM - 3:00 AM)	SB - Outdoor Paper 3-Stream	SB-C&D Block Hallway Paper	SB - C&D Classroom Paper	Gymnasium Paper	SB C&D - Offices Paper	SB-Total	SB-Total	YES/NO	
Sorting Item	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable
Office Paper	0.010	0.045	0.300	0.324	7.524	8.203	2,838.238	Paper	YES
Newspaper and Mixed Paper	1.250		0.050	0.020	0.038	1.358	469.868	Paper	YES
Boxboard	0.070	0.090		0.012	0.023	0.195	67.401	Paper	YES
Molded Pulp Containers				0.002		0.002	0.554	Paper	YES
Cardboard (OCC)					0.015	0.015	5.259	Paper	YES
Polycoat/Aseptic Containers		0.045				0.045	15.570	Containers	YES
#1 (PET)		0.050				0.050	17.300	Containers	YES
#2 (HDPE)						0.000	0.000	Containers	YES
#3 (PVC)						0.000	0.000	Containers	YES
#4 (LDPE)						0.000	0.000	Containers	YES
#5 (PP)						0.000	0.000	Containers	YES
#6 (PS)(Rigid)	0.050	0.050		0.000		0.100	34.738	Containers	YES
#7 (Other)						0.000	0.000	Containers	YES
Food and Beverage Cans						0.000	0.000	Containers	YES
Food and Beverage (Clear and Coloured) Glass						0.000	0.000	Containers	YES
Office Supplies (Recyclable)						0.000	0.000	Containers	YES
Paper Towels	0.040	0.045	0.050	0.040		0.175	60.550	Waste/ Landfill	NO
Paper Cups		0.045				0.045	15.570	Waste/ Landfill	NO
Non-Recyclable Paper	0.040	0.090				0.130	44.980	Waste/ Landfill	NO
Loose Film Bags (#4)			0.100			0.100	34.600	Waste/ Landfill	NO
Laminated Film	0.040		0.050			0.090	31.140	Waste/ Landfill	NO
Other Plastic						0.000	0.000	Waste/ Landfill	NO
Other Glass						0.000	0.000	Waste/ Landfill	NO
Other Metal						0.000	0.000	Waste/ Landfill	NO
Pre-Consumer Food and Beverage						0.000	0.000	Waste/ Landfill	NO
Post-Consumer Food and Beverage		0.450	0.400			0.850	294.100	Waste/ Landfill	NO
Wood Pallets						0.000	0.000	Waste/ Landfill	NO
Other Wood						0.000	0.000	Waste/ Landfill	NO
Electronics						0.000	0.000	Waste/ Landfill	NO
Cartridges						0.000	0.000	Waste/ Landfill	NO
Construction and Demolition						0.000	0.000	Waste/ Landfill	NO
Office Supplies (Reusable)						0.000	0.000	Waste/ Landfill	NO
Unclassified						0.000	0.000	Waste/ Landfill	NO
Washroom Waste						0.000	0.000	Waste/ Landfill	NO
Textiles						0.000	0.000	Waste/ Landfill	NO
Textiles						0.000	0.000	Waste/ Landfill	NO
Batteries						0.000	0.000	Waste/ Landfill	NO
Fluorescent Bulbs						0.000	0.000	Waste/ Landfill	YES
Other hazardous Waste						0.000	0.000	Waste/ Landfill	YES
Leaf and Yard Waste						0.000	0.000	Waste/ Landfill	YES
#6 (PS) (Expanded Foam)						0.000	0.000	Waste/ Landfill	NO
Coffee Cups	0.050	0.090		0.002		0.142	49.132	Waste/ Landfill	NO
Fountain Cups	0.050					0.050	17.300	Waste/ Landfill	NO
Total (Kg)	1.600	1.000	0.950	0.400	7.600	11.550	3,996.300		
Total Bag Weights (Kg)	1.600	1.000	2.300	0.400	7.600	12.900	4,463.400		
Percentage of Bag Weights Sorted (Kg)	100.00%	100.00%	41.30%	100.00%	100.00%	89.53%	89.53%		

Lambton INN Residence & Event Centre Paper Sort

Sorting Date/ Time	Location			Stream	Recyclable On Campus
Wednesday, December 5 - 6, 2018 (5:30 PM - 3:00 AM)					
Thursday, December 6, 2018 (5:30 PM - 11:30 PM)	LI Paper Sort Hallway - Main Lobby	Total	Total		YES/NO
Sorting Item	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable
Office Paper	0.05	0.05	17.3	Paper	YES
Newspaper and Mixed Paper		0	0	Paper	YES
Boxboard	0.69	0.69	238.74	Paper	YES
Molded Pulp Containers		0	0	Paper	YES
Cardboard (OCC)	0.86	0.86	297.56	Paper	YES
Polycoat/Aseptic Containers		0	0	Containers	YES
#1 (PET)		0	0	Containers	YES
#2 (HDPE)		0	0	Containers	YES
#3 (PVC)		0	0	Containers	YES
#4 (LDPE)		0	0	Containers	YES
#5 (PP)		0	0	Containers	YES
#6 (PS)(Rigid)		0	0	Containers	YES
#7 (Other)		0	0	Containers	YES
Food and Beverage Cans		0	0	Containers	YES
Food and Beverage (Clear and Coloured) Glass		0	0	Containers	YES
Office Supplies (Recyclable)		0	0	Containers	YES
Paper Towels		0	0	Waste/ Landfill	NO
Paper Cups		0	0	Waste/ Landfill	NO
Non-Recyclable Paper		0	0	Waste/ Landfill	NO
Loose Film Bags (#4)		0	0	Waste/ Landfill	NO
Laminated Film		0	0	Waste/ Landfill	NO
Other Plastic		0	0	Waste/ Landfill	NO
Other Glass		0	0	Waste/ Landfill	NO
Other Metal		0	0	Waste/ Landfill	NO
Pre-Consumer Food and Beverage		0	0	Waste/ Landfill	NO
Post-Consumer Food and Beverage		0	0	Waste/ Landfill	NO
Wood Pallets		0	0	Waste/ Landfill	NO
Other Wood		0	0	Waste/ Landfill	NO
Electronics		0	0	Waste/ Landfill	NO
Cartridges		0	0	Waste/ Landfill	NO
Construction and Demolition		0	0	Waste/ Landfill	NO
Office Supplies (Reusable)		0	0	Waste/ Landfill	NO
Unclassified		0	0	Waste/ Landfill	NO
Washroom Waste		0	0	Waste/ Landfill	NO
Textiles		0	0	Waste/ Landfill	NO
Textiles		0	0	Waste/ Landfill	NO
Batteries		0	0	Waste/ Landfill	NO
Fluorescent Bulbs		0	0	Waste/ Landfill	YES
Other hazardous Waste		0	0	Waste/ Landfill	YES
Leaf and Yard Waste		0	0	Waste/ Landfill	YES
#6 (PS) (Expanded Foam)		0	0	Waste/ Landfill	NO
Coffee Cups		0	0	Waste/ Landfill	NO
Fountain Cups		0	0	Waste/ Landfill	NO
Total (Kg)	1.6	1.6	553.6		
Total Bag Weights (Kg)	1.600	1.600	553.600		
Percentage of Bag Weights Sorted (Kg)	100.00%	100.00%	100.00%		

Suncor Sustainability Centre Paper Sort

Sorting Date/ Time	Location	Total	Total	Stream	Recyclable On Campus
Wednesday, December 5 - 6, 2018 (5:30 PM - 3:00 AM)					YES/NO
Sorting Item	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable
Office Paper		0	0	Paper	YES
Newspaper and Mixed Paper		0	0	Paper	YES
Boxboard		0	0	Paper	YES
Molded Pulp Containers		0	0	Paper	YES
Cardboard (OCC)		0	0	Paper	YES
Polycoat/Aseptic Containers		0	0	Containers	YES
#1 (PET)		0	0	Containers	YES
#2 (HDPE)		0	0	Containers	YES
#3 (PVC)		0	0	Containers	YES
#4 (LDPE)		0	0	Containers	YES
#5 (PP)		0	0	Containers	YES
#6 (PS)(Rigid)		0	0	Containers	YES
#7 (Other)		0	0	Containers	YES
Food and Beverage Cans		0	0	Containers	YES
Food and Beverage (Clear and Coloured) Glass		0	0	Containers	YES
Office Supplies (Recyclable)		0	0	Containers	YES
Paper Towels		0	0	Waste/ Landfill	NO
Paper Cups		0	0	Waste/ Landfill	NO
Non-Recyclable Paper		0	0	Waste/ Landfill	NO
Loose Film Bags (#4)		0	0	Waste/ Landfill	NO
Laminated Film		0	0	Waste/ Landfill	NO
Other Plastic		0	0	Waste/ Landfill	NO
Other Glass		0	0	Waste/ Landfill	NO
Other Metal		0	0	Waste/ Landfill	NO
Pre-Consumer Food and Beverage		0	0	Waste/ Landfill	NO
Post-Consumer Food and Beverage		0	0	Waste/ Landfill	NO
Wood Pallets		0	0	Waste/ Landfill	NO
Other Wood		0	0	Waste/ Landfill	NO
Electronics		0	0	Waste/ Landfill	NO
Cartridges		0	0	Waste/ Landfill	NO
Construction and Demolition		0	0	Waste/ Landfill	NO
Office Supplies (Reusable)		0	0	Waste/ Landfill	NO
Unclassified		0	0	Waste/ Landfill	NO
Washroom Waste		0	0	Waste/ Landfill	NO
Textiles		0	0	Waste/ Landfill	NO
Textiles		0	0	Waste/ Landfill	NO
Batteries		0	0	Waste/ Landfill	YES
Fluorescent Bulbs		0	0	Waste/ Landfill	YES
Other hazardous Waste		0	0	Waste/ Landfill	YES
Leaf and Yard Waste		0	0	Waste/ Landfill	NO
#6 (PS) (Expanded Foam)		0	0	Waste/ Landfill	NO
Coffee Cups		0	0	Waste/ Landfill	NO
Fountain Cups		0	0	Waste/ Landfill	NO
Total (Kg)	0	0	0		
Total Bag Weights (Kg)					
Percentage of Bag Weights Sorted (Kg)	#DIV/0!	#DIV/0!	#DIV/0!		

Skilled Trades Training Centre Paper Sort

Sorting Date/ Time	Location			Stream	Recyclable On Campus	
Wednesday, December 5 - 6, 2018 (5:30 PM - 3:00 AM)			Total	Total	YES/NO	
Sorting Item			Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable
Office Paper			0	0	Paper	YES
Newspaper and Mixed Paper			0	0	Paper	YES
Boxboard			0	0	Paper	YES
Molded Pulp Containers			0	0	Paper	YES
Cardboard (OCC)			0	0	Paper	YES
Polycoat/Aseptic Containers			0	0	Containers	YES
#1 (PET)			0	0	Containers	YES
#2 (HDPE)			0	0	Containers	YES
#3 (PVC)			0	0	Containers	YES
#4 (LDPE)			0	0	Containers	YES
#5 (PP)			0	0	Containers	YES
#6 (PS)(Rigid)			0	0	Containers	YES
#7 (Other)			0	0	Containers	YES
Food and Beverage Cans			0	0	Containers	YES
Food and Beverage (Clear and Coloured) Glass			0	0	Containers	YES
Office Supplies (Recyclable)			0	0	Containers	YES
Paper Towels			0	0	Waste/ Landfill	NO
Paper Cups			0	0	Waste/ Landfill	NO
Non-Recyclable Paper			0	0	Waste/ Landfill	NO
Loose Film Bags (#4)			0	0	Waste/ Landfill	NO
Laminated Film			0	0	Waste/ Landfill	NO
Other Plastic			0	0	Waste/ Landfill	NO
Other Glass			0	0	Waste/ Landfill	NO
Other Metal			0	0	Waste/ Landfill	NO
Pre-Consumer Food and Beverage			0	0	Waste/ Landfill	NO
Post-Consumer Food and Beverage			0	0	Waste/ Landfill	NO
Wood Pallets			0	0	Waste/ Landfill	NO
Other Wood			0	0	Waste/ Landfill	NO
Electronics			0	0	Waste/ Landfill	NO
Cartridges			0	0	Waste/ Landfill	NO
Construction and Demolition			0	0	Waste/ Landfill	NO
Office Supplies (Reusable)			0	0	Waste/ Landfill	NO
Unclassified			0	0	Waste/ Landfill	NO
Washroom Waste			0	0	Waste/ Landfill	NO
Textiles			0	0	Waste/ Landfill	NO
Textiles			0	0	Waste/ Landfill	NO
Batteries			0	0	Waste/ Landfill	YES
Fluorescent Bulbs			0	0	Waste/ Landfill	YES
Other hazardous Waste			0	0	Waste/ Landfill	YES
Leaf and Yard Waste			0	0	Waste/ Landfill	NO
#6 (PS) (Expanded Foam)			0	0	Waste/ Landfill	NO
Coffee Cups			0	0	Waste/ Landfill	NO
Fountain Cups			0	0	Waste/ Landfill	NO
Total (Kg)	0	0	0	0		
Total Bag Weights (Kg)						
Percentage of Bag Weights Sorted (Kg)	#DIV/0!	#DIV/0!	#DIV/0!			

Community Employment Services (Petrolia Site) Paper Sort

Sorting Date/ Time	Location			Stream	Recyclable On Campus YES/NO
	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)		
Thursday, December 6, 2018 (5:30 PM - 11:30 PM)	CES Petrolia Cafeteria 125	Total	Total		YES/NO
Sorting Item	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable
Office Paper	0.024	0.024	8.304	Paper	YES
Newspaper and Mixed Paper	2.304	2.304	797.184	Paper	YES
Boxboard	0.024	0.024	8.304	Paper	YES
Molded Pulp Containers	0.024	0.024	8.304	Paper	YES
Cardboard (OCC)		0	0	Paper	YES
Polycoat/Aseptic Containers		0	0	Containers	YES
#1 (PET)		0	0	Containers	YES
#2 (HDPE)		0	0	Containers	YES
#3 (PVC)		0	0	Containers	YES
#4 (LDPE)		0	0	Containers	YES
#5 (PP)		0	0	Containers	YES
#6 (PS)(Rigid)		0	0	Containers	YES
#7 (Other)		0	0	Containers	YES
Food and Beverage Cans	0.024	0.024	8.304	Containers	YES
Food and Beverage (Clear and Coloured) Glass		0	0	Containers	YES
Office Supplies (Recyclable)		0	0	Containers	YES
Paper Towels		0	0	Waste/Landfill	NO
Paper Cups		0	0	Waste/Landfill	NO
Non-Recyclable Paper		0	0	Waste/Landfill	NO
Loose Film Bags (#4)		0	0	Waste/Landfill	NO
Laminated Film		0	0	Waste/Landfill	NO
Other Plastic		0	0	Waste/Landfill	NO
Other Glass		0	0	Waste/Landfill	NO
Other Metal		0	0	Waste/Landfill	NO
Pre-Consumer Food and Beverage		0	0	Waste/Landfill	NO
Post-Consumer Food and Beverage		0	0	Waste/Landfill	NO
Wood Pallets		0	0	Waste/Landfill	NO
Other Wood		0	0	Waste/Landfill	NO
Electronics		0	0	Waste/Landfill	NO
Cartridges		0	0	Waste/Landfill	NO
Construction and Demolition		0	0	Waste/Landfill	NO
Office Supplies (Reusable)		0	0	Waste/Landfill	NO
Unclassified		0	0	Waste/Landfill	NO
Washroom Waste		0	0	Waste/Landfill	NO
Textiles		0	0	Waste/Landfill	NO
Textiles		0	0	Waste/Landfill	NO
Batteries		0	0	Waste/Landfill	NO
Fluorescent Bulbs		0	0	Waste/Landfill	YES
Other hazardous Waste		0	0	Waste/Landfill	YES
Leaf and Yard Waste		0	0	Waste/Landfill	YES
#6 (PS) (Expanded Foam)		0	0	Waste/Landfill	NO
Coffee Cups		0	0	Waste/Landfill	NO
Fountain Cups		0	0	Waste/Landfill	NO
Total (Kg)	2.4	2.4	830.4		
Total Bag Weights (Kg)	2.400	2.400	830.400		
Percentage of Bag Weights Sorted (Kg)	100.00%	100.00%	100.00%		

Fire & Public Safety Centre of Excellence Paper Sort

Sorting Date/ Time	Location			Stream	Recyclable On Campus	
Thursday, December 6, 2018 (5:30 PM - 11:30 PM)	FS Unknown Paper	FS Classroom First Floor Paper	Total	Total	YES/NO	
Sorting Item	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable
Office Paper		0.05	0.05	17.3	Paper	YES
Newspaper and Mixed Paper	9.5	1.2	10.7	3702.2	Paper	YES
Boxboard		0.05	0.05	17.3	Paper	YES
Molded Pulp Containers			0	0	Paper	YES
Cardboard (OCC)		0.05	0.05	17.3	Paper	YES
Polycoat/Aseptic Containers			0	0	Containers	YES
#1 (PET)			0	0	Containers	YES
#2 (HDPE)			0	0	Containers	YES
#3 (PVC)			0	0	Containers	YES
#4 (LDPE)			0	0	Containers	YES
#5 (PP)			0	0	Containers	YES
#6 (PS)(Rigid)			0	0	Containers	YES
#7 (Other)			0	0	Containers	YES
Food and Beverage Cans			0	0	Containers	YES
Food and Beverage (Clear and Coloured) Glass			0	0	Containers	YES
Office Supplies (Recyclable)			0	0	Containers	YES
Paper Towels			0	0	Waste / Landfill	NO
Paper Cups			0	0	Waste / Landfill	NO
Non-Recyclable Paper			0	0	Waste / Landfill	NO
Loose Film Bags (#4)		0.05	0.05	17.3	Waste / Landfill	NO
Laminated Film			0	0	Waste / Landfill	NO
Other Plastic			0	0	Waste / Landfill	NO
Other Glass			0	0	Waste / Landfill	NO
Other Metal			0	0	Waste / Landfill	NO
Pre-Consumer Food and Beverage			0	0	Waste / Landfill	NO
Post-Consumer Food and Beverage			0	0	Waste / Landfill	NO
Wood Pallets			0	0	Waste / Landfill	NO
Other Wood			0	0	Waste / Landfill	NO
Electronics			0	0	Waste / Landfill	NO
Cartridges			0	0	Waste / Landfill	NO
Construction and Demolition			0	0	Waste / Landfill	NO
Office Supplies (Reusable)			0	0	Waste / Landfill	NO
Unclassified			0	0	Waste / Landfill	NO
Washroom Waste			0	0	Waste / Landfill	NO
Textiles			0	0	Waste / Landfill	NO
Textiles			0	0	Waste / Landfill	NO
Batteries			0	0	Waste / Landfill	NO
Fluorescent Bulbs			0	0	Waste / Landfill	YES
Other hazardous Waste			0	0	Waste / Landfill	YES
Leaf and Yard Waste			0	0	Waste / Landfill	YES
#6 (PS) (Expanded Foam)			0	0	Waste / Landfill	NO
Coffee Cups			0	0	Waste / Landfill	NO
Fountain Cups			0	0	Waste / Landfill	NO
Total (Kg)	9.5	1.4	10.9	3771.4		
Total Bag Weights (Kg)	9,500	1,400	10,900	3,771,400		
Percentage of Bag Weights Sorted (Kg)	100.00%	100.00%	100.00%	100.00%		

North Building Paper Sort

Sorting Date/ Time	Location			Total	Total	Stream	Recyclable On Campus
Wednesday, December 5 - 6, 2018 (5:30 PM - 3:00 AM)	NB Hallway Paper Sort	NB Office Paper	NB Classroom Paper				YES/NO
Sorting Item	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Day Totals (kg)	Annual Total (kg)	Sorting	Recyclable
Office Paper	0.110	2.450	0.100	2.660	920.360	Paper	YES
Newspaper and Mixed Paper				0.000	0.000	Paper	YES
Boxboard			0.100	0.100	34.600	Paper	YES
Molded Pulp Containers				0.000	0.000	Paper	YES
Cardboard (OCC)				0.000	0.000	Paper	YES
Polycat/Aseptic Containers			0.010	0.010	3.460	Containers	YES
#1 (PET)			0.010	0.010	3.460	Containers	YES
#2 (HDPE)				0.000	0.000	Containers	YES
#3 (PVC)				0.000	0.000	Containers	YES
#4 (LDPE)				0.000	0.000	Containers	YES
#5 (PP)				0.000	0.000	Containers	YES
#6 (PS)(Rigid)	0.010			0.010	3.460	Containers	YES
#7 (Other)				0.000	0.000	Containers	YES
Food and Beverage Cans		0.020		0.020	6.920	Containers	YES
Food and Beverage (Clear and Coloured) Glass				0.000	0.000	Containers	YES
Office Supplies (Recyclable)				0.000	0.000	Containers	YES
Paper Towels	0.063	0.030		0.093	32.178	Waste/ Landfill	NO
Paper Cups				0.000	0.000	Waste/ Landfill	NO
Non-Recyclable Paper			0.040	0.040	13.840	Waste/ Landfill	NO
Loose Film Bags (#4)				0.000	0.000	Waste/ Landfill	NO
Laminated Film	0.020		0.700	0.720	249.120	Waste/ Landfill	NO
Other Plastic			0.010	0.010	3.460	Waste/ Landfill	NO
Other Glass				0.000	0.000	Waste/ Landfill	NO
Other Metal				0.000	0.000	Waste/ Landfill	NO
Pre-Consumer Food and Beverage				0.000	0.000	Waste/ Landfill	NO
Post-Consumer Food and Beverage	0.063			0.063	21.798	Waste/ Landfill	NO
Wood Pallets				0.000	0.000	Waste/ Landfill	NO
Other Wood				0.000	0.000	Waste/ Landfill	NO
Electronics				0.000	0.000	Waste/ Landfill	NO
Cartridges				0.000	0.000	Waste/ Landfill	NO
Construction and Demolition				0.000	0.000	Waste/ Landfill	NO
Office Supplies (Reusable)				0.000	0.000	Waste/ Landfill	NO
Unclassified				0.000	0.000	Waste/ Landfill	NO
Washroom Waste				0.000	0.000	Waste/ Landfill	NO
Textiles				0.000	0.000	Waste/ Landfill	NO
Textiles				0.000	0.000	Waste/ Landfill	NO
Batteries				0.000	0.000	Waste/ Landfill	NO
Fluorescent Bulbs				0.000	0.000	Waste/ Landfill	YES
Other hazardous Waste				0.000	0.000	Waste/ Landfill	YES
Leaf and Yard Waste				0.000	0.000	Waste/ Landfill	YES
#6 (PS) (Expanded Foam)				0.000	0.000	Waste/ Landfill	NO
Coffee Cups	0.034		0.030	0.064	22.144	Waste/ Landfill	NO
Fountain Cups				0.000	0.000	Waste/ Landfill	NO
Total (Kg)	0.300	2.500	1.000	3.800	1314.800		
Total Bag Weights (Kg)	0.300	2.500	1.000	3.800	1314.800		
Percentage of Bag Weights Sorted (Kg)	100.00%	100.00%	100.00%	100.00%	100.00%		

**APPENDIX C WASTE AUDIT AND WASTE
REDUCTION WORK PLAN SUMMARY FORMS**

Ministry of the Environment Waste Form

Report of a Waste Audit

Industrial, Commercial and Institutional Establishments

As required by O. Reg. 102/94

This report must be prepared 6 months after becoming subject to O. Reg. 102/94 and retained on file for at least five years after it is prepared, and be made available to the ministry upon request.

For large construction and demolition projects, please refer to the forms included with "A Guide to Waste Audits and Waste Reduction Work Plans for Construction and Demolition Projects as Required Under Ontario Regulation 102/94" (Revised July 2008).

I. GENERAL INFORMATION

Name of Owner of Entity(ies) and Company Name: Lambton College		
Name of Contact Person: Paul Cochrane	Telephone #: 519-542-7751 x3774	Email Address: Paul.Cochrane@lambtoncollege.ca
Street Address(es) of Entity(ies): 1457 London Road, Sarnia, ON, N7S 6K4		
Municipality: Sarnia, St. Clair Township, Petrolia		

Type of Entity (check one)

Retail Shopping Establishments	<input type="checkbox"/>	Hotels and Motels	<input type="checkbox"/>
Retail Shopping Complexes	<input type="checkbox"/>	Hospitals	<input type="checkbox"/>
Office Buildings	<input type="checkbox"/>	Educational Institutions	<input checked="" type="checkbox"/>
Restaurants	<input type="checkbox"/>	Large Manufacturing Establishments	<input type="checkbox"/>

II. DESCRIPTION OF ENTITY

Provide a brief overview of the entity(ies):

Lambton College of Applied Arts and Technology is a post secondary educational institution within Lambton County. Now considered as one of the top research colleges in Canada under the Applied Research Department, Lambton College is home to programs relating to: Business & Creative Design, Liberal Studies & English; Community Services; Computer Studies; Fire Sciences; Health Sciences and Technology, Energy & Apprenticeship. KPI reports reveal Lambton as being 100% in overall employer satisfaction; representing one of the highest student to employment work rates. In Lambton County, Lambton College is home to 10 buildings/ campuses: South (Main Building); Lambton INN Residence & Event Centre; Skilled Trades Training Centre; Sustainability Smart House; Suncor Sustainability Centre; North Building; Community Employment Services; Fire & Public Safety Centre of Excellence; Industrial Training Centre and the Bluewater Technology Access Centre at the Western Research Park. Annually, Lambton College enrolls approximately 6,000 to 8,000 students (this includes part-time, full-time, apprenticeships and international) and 500 to 1,300 staff (this includes full-time and part-time). This organization has seen positive growth over the years.

III. HOW WASTE IS PRODUCED AND DECISIONS AFFECTING THE PRODUCTION OF WASTE

For each category of waste that is produced at the entity(ies), explain how the waste will be produced and how management decisions and policies affect the production of waste.

Categories of Waste	How Is the Waste Produced and What Management Decisions/Policies Affect Its Production?
Office Paper	Produced by staff and students
Newspaper and Mixed Paper	Produced by staff and students
Boxboard	Produced by staff and students, shipping and receiving
Molded Pulp Containers	Produced by staff and students
Cardboard (OCC)	Produced from packaged goods, unpackaged in the shipping area or in any other zone.
Polycoat/Aseptic Containers	Produced by staff and students
#1 (PET)	Produced by staff and students
#2 (HDPE)	Produced by staff and students
#3 (PVC)	Produced by staff and students, some construction work
#4 (LDPE)	Produced by staff and students
#5 (PP)	Produced by staff and students
#6 (PS)(Rigid)	Produced by staff and students
#6 (PS) (Expanded Foam)	Produced by staff and students, also packaged goods
#7 (Other)	Produced by staff and students, some construction work
Food and Beverage Cans	Produced by staff and students
Food and Beverage (Clear and Coloured) Glass	Produced by staff and students
Office Supplies (Recyclable)	Produced by staff and students
Paper Towels	Produced by staff and students mostly in washrooms and shops
Paper Cups	Produced by students and staff, as part of studies and operation maintenance
Coffee Cups	Produced from packaged goods, unpackaged in the shipping area or in any other zone
Fountain Cups	Produced by staff and students
Non-Recyclable Paper	Produced by staff and students
Loose Film Bags (#4)	Produced by staff and students
Laminated Film	Produced by staff and students
Other Plastic	Produced by staff and students
Other Glass	Produced by staff and students
Other Metal	Produced by staff and students
Pre-Consumer Food and Beverage	Produced by staff and students
Post-Consumer Food and Beverage	Produced by staff and students
Wood Pallets	Produced by vendors delivering packaged goods to and from the facility
Other Wood	Produced by staff and students mainly in shops
Leaf and Yard Waste	Produced by some staff and students; mainly from the grounds crew
Electronics	Produced by the IT department when doing computer lab exchanges/ upgrades. Implementing OES (Ontario Electronic Stewardship) program in the future
Cartridges	Produced by staff and students due to printer and photocopier use
Construction and Demolition	Produced during construction and demolition projects
Office Supplies (Recyclable)	Produced by staff and students
Office Supplies (Reusable)	Produced by staff and students
Unclassified	Produced by staff and students
Washroom Waste	Produced by staff and students, visitors and guests in washroom areas
Textiles (Reusable)	Produced by staff and students
Textiles (Non-Reusable)	Produced by staff and students
Batteries	Produced by staff and students
Fluorescent Bulbs	Produced by facilities when exchanging lightbulbs
Other hazardous Waste	Produced by staff and students as part of program, research and/or operations

IV. MANAGEMENT OF WASTE

For each category of waste listed below, indicate which waste items will be disposed or reused/recycled and how each item will be managed at the entity(ies)

Categories	Waste to be Disposed	Reused or Recycled Waste
Office Paper	Place in landfill disposed bins.	Collected from paper recycling receptacles and emptied into recycling totes.
Newspaper and Mixed Paper	Place in landfill disposed bins.	Collected from paper recycling receptacles and emptied into recycling totes.
Boxboard	Place in landfill disposed bins.	Collected from paper recycling receptacles and emptied into recycling totes.
Molded Pulp Containers	Place in landfill disposed bins.	Collected from paper recycling receptacles and emptied into recycling totes.
Cardboard (OCC)	Place in landfill disposed bins.	Broken down and collected from paper recycling receptacles and emptied into recycling totes or collected from other areas and emptied into a cardboard dumpster/bin.
Polycoat/Aseptic Containers	Place in landfill disposed bins.	Collected from containers recycling receptacles and emptied into recycling totes.
#1 (PET)	Place in landfill disposed bins.	Collected from containers recycling receptacles and emptied into recycling totes.
#2 (HDPE)	Place in landfill disposed bins.	Collected from containers recycling receptacles and emptied into recycling totes.
#3 (PVC)	Place in landfill disposed bins.	Collected from containers receptacles and emptied into recycling totes.
#4 (LDPE)	Place in landfill disposed bins.	Collected from containers receptacles and emptied into recycling totes.
#5 (PP)	Place in landfill disposed bins.	Collected from containers receptacles and emptied into recycling totes.
#6 (PS)(Rigid)	Place in landfill disposed bins.	Collected from containers receptacles and emptied into recycling totes.
#6 (PS) (Expanded Foam)	Place in landfill disposed bins.	Collected from containers receptacles and emptied into recycling totes.
#7 (Other)	Place in landfill disposed bins.	Collected from containers receptacles and emptied into recycling totes.
Food and Beverage Cans	Place in landfill disposed bins.	Collected from containers receptacles and emptied into recycling totes.
Food and Beverage (Clear and Coloured) Glass	Place in landfill disposed bins.	Collected from containers receptacles and emptied into recycling totes.
Office Supplies (Recyclable)	Place in landfill disposed bins.	Collected from containers receptacles and emptied into recycling totes.
Paper Towels	Place in landfill disposed bins.	
Paper Cups	Place in landfill disposed bins.	
Coffee Cups	Place in landfill disposed bins.	Collected from containers receptacles and emptied into recycling totes.
Fountain Cups	Place in landfill disposed bins.	
Non-Recyclable Paper	Place in landfill disposed bins.	
Loose Film Bags (#4)	Place in landfill disposed bins.	
Laminated Film	Place in landfill disposed bins.	
Other Plastic	Place in landfill disposed bins.	
Other Glass	Place in landfill disposed bins.	
Other Metal	Place in landfill disposed bins.	
Pre-Consumer Food and Beverage	Place in landfill disposed bins.	Participating tenants: Collected from organic composting receptacles and emptied into organic waste totes.
Post-Consumer Food and Beverage	Place in landfill disposed bins.	Participating tenants: Collected from organic composting receptacles and emptied into organic waste totes.
Wood Pallets	Place in landfill disposed bins.	Sent for recycling or reused where applicable.
Other Wood	Place in landfill disposed bins.	
Leaf and Yard Waste	Place in landfill disposed bins.	Participating tenants: Collected from organic composting receptacles and emptied into organic waste totes. The grounds crew reuses the grass clippings on site and any vegetation cut down is used in woodchips or other means.
Electronics	Place in landfill disposed bins.	Collected by a vendor and sent to be recycled/reused.
Cartridges	Place in landfill disposed bins.	Collected by a vendor and sent to be recycled/reused.
Construction and Demolition	Place in landfill disposed bins.	Responsibly handled by contractor and recycled/ reused where applicable.
Office Supplies (Recyclable)	Place in landfill disposed bins.	Where appropriate office supplies are recycled, reused, or donated.
Office Supplies (Reusable)	Place in landfill disposed bins.	Where appropriate office supplies are recycled, reused, or donated.
Unclassified	Place in landfill disposed bins.	
Washroom Waste	Place in landfill disposed bins.	
Textiles (Reusable)	Place in landfill disposed bins.	Donated and reused where applicable.
Textiles (Non-Reusable)	Place in landfill disposed bins.	
Batteries	Place in landfill disposed bins.	Collected and sent to be recycled.
Fluorescent Bulbs	Place in landfill disposed bins.	Collected and sent to be recycled.
Other hazardous Waste		Collected and sent to be recycled.

V. ESTIMATED QUANTITY OF WASTE PRODUCED ANNUALLY

Categories of Waste	Estimated Amount of Waste Produced (Kg)											
	Generated			Reused			Recycled			Disposed		
	"A" Base Year 2017-2018	"B" Current Year 2018-2019	"C" Change (B-A)	"A" Base Year 2017-2018	"B" Current Year (2018-2019)	"C" Change (B-A)	"A" Base Year 2017-2018	"B" Current Year 2018-2019	"C" Change (B-A)	"A" Base Year 2017-2018	"B" Current Year 2018-2019	"C" Change (B-A)
Office Paper	13,866.6	12,206.8	-1,659.8			0.0	12,036.9	11,370.0	-666.9	1,829.7	836.8	-992.9
New paper and Mixed Paper	26,050.8	20,874.2	-5,176.6			0.0	15,734.4	14,860.0	-874.4	10,316.4	6,014.2	-4,302.2
Boxboard	11,230.7	6,959.7	-4,271.0			0.0	1,160.0	1,100.0	-60.0	10,070.7	5,859.7	-4,211.0
Molded Pulp Containers	6,766.1	3,972.1	-2,794.0			0.0	28.0	30.0	2.0	6,738.0	3,942.1	-2,795.9
Cardboard (OCC)	34,152.4	36,127.5	1,975.1			0.0	32,293.6	35,040.0	2,746.4	1,858.8	1,087.5	-771.3
Polycoat/Aseptic Containers	2,851.1	1,778.8	-1,072.3			0.0	308.9	300.0	-8.9	2,542.2	1,478.8	-1,063.4
#1 (PET)	25,212.1	20,227.6	-4,984.5			0.0	14,173.2	13,780.0	-393.2	11,038.8	6,447.6	-4,591.2
#2 (HDPE)	2,171.9	1,965.6	-206.3			0.0	1,786.2	1,740.0	-46.2	385.7	225.6	-160.1
#3 (PVC)	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0
#4 (LDPE)	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0
#5 (PP)	2,182.8	1,463.3	-719.5			0.0	500.8	490.0	-10.8	1,682.0	973.3	-708.7
#6 (PS)(Rigid)	5,940.0	4,162.5	-1,777.5			0.0	1,897.0	1,840.0	-57.0	4,043.0	2,322.5	-1,720.5
#6 (PS) (Expanded Foam)	557.0	315.2	-241.8			0.0	0.0	0.0	0.0	557.0	315.2	-241.8
#7 (Other)	530.7	445.2	-85.5			0.0	347.5	338.0	-9.5	183.2	107.2	-76.0
Food and Beverage Cans	12,308.5	10,676.9	-1,631.6			0.0	8,996.5	8,750.0	-246.5	3,311.9	1,926.9	-1,385.0
Food and Beverage (Clear and Coloured) Glass	4,249.7	3,567.6	-682.1			0.0	2,783.9	2,710.0	-73.9	1,465.8	857.6	-608.2
Office Supplies (Recyclable)	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paper Towels	91,217.6	48,730.9	-42,486.7			0.0			0.0	91,217.6	48,730.9	-42,486.7
Paper Cups	384.8	214.4	-170.4			0.0			0.0	384.8	214.4	-170.4
Coffee Cups	12,717.5	7,402.9	-5,314.6			0.0			0.0	12,717.5	7,402.9	-5,314.6
Fountain Cups	4,353.4	2,547.0	-1,806.4			0.0			0.0	4,353.4	2,547.0	-1,806.4
Non-Recyclable Paper	2,411.2	1,400.0	-1,011.2			0.0			0.0	2,411.2	1,400.00	-1,011.2
Loose Film Bags (#4)	2,207.8	1,272.4	-935.4			0.0			0.0	2,207.8	1,272.4	-935.4
Laminated Film	5,137.6	2,965.0	-2,172.6			0.0			0.0	5,137.6	2,965.0	-2,172.6
Other Plastic	7,325.3	4,266.4	-3,058.9			0.0			0.0	7,325.3	4,266.4	-3,058.9
Other Glass	2,198.7	1,286.3	-912.4			0.0	0.0		0.0	2,198.7	1,286.30	-912.4
Other Metal	22,134.6	26,678.0	4,543.4			0.0	21,676.6	26,410.0	4,733.4	458.1	268	-190.1
Pre-Consumer Food and Beverage	102,432.0	61,493.5	-40,938.5			0.0	3,326.8	3,511.8	185.0	99,105.2	57,981.7	-41,123.5
Post-Consumer Food and Beverage	84,791.1	46,176.9	-38,614.2			0.0			0.0	84,791.1	46,176.9	-38,614.2
Wood Pallets	222.0	222.0	0.0			0.0	222.0	222.0	0.0	0.0	0.0	0.0
Other Wood	0.0	0.0	0.0			0.0			0.0	0.0	0.0	0.0
Leaf and Yard Waste	0.0	0.0	0.0			0.0			0.0	0.0	0.0	0.0
Electronics	4,218.3	4,450.0	231.7			0.0	4,218.3	4,450.0	231.7	0.0	0.0	0.0
Cartridges	922.6	695.4	-227.2			0.0	922.6	695.4	-227.2	0.0	0.0	0.0
Construction and Demolition	0.0	0.0	0.0			0.0			0.0	0.0	0.0	0.0
Office Supplies (Recyclable)	0.0	0.0	0.0			0.0			0.0	0.0	0.0	0.0
Office Supplies (Reusable)	0.0	0.0	0.0			0.0			0.0	0.0	0.0	0.0
Unclassified	7,896.9	3,441.0	-4,455.9			0.0			0.0	7,896.9	3,441.00	-4,455.9
Washroom Waste	8,666.5	4,855.9	-3,810.6			0.0			0.0	8,666.5	4,855.90	-3,810.6
Textiles (Reusable)	2,455.2	1,436.4	-1,018.8			0.0			0.0	2,455.2	1,436.40	-1,018.8
Textiles (Non-Reusable)	0.0	0.0	0.0			0.0			0.0	0.0	0.0	0.0
Batteries	103.9	120.0	16.1			0.0	103.9	120.0	16.1	0.0	0.0	0.0
Fluorescent Bulbs	637.1	319.5	-317.6			0.0	637.1	319.5	-317.6	0.0	0.0	0.0
Other hazardous Waste	11,864.0	9,118.0	-2,746.0			0.0	11,864.0	9,118.0	-2,746.0	0.0	0.0	0.0
Total	522,368.2	353,834.9	-168,533.4	0.0	0.0	0.0	135,018.3	137,194.7	2,176.4	387,350.0	216,640.2	-170,709.8
Percent Change (C/A x 100%)			-32.3%			0.0%			1.6%			-44.1%

VI. EXTENT TO WHICH MATERIALS OR PRODUCTS USED OR SOLD BY THE ENTITY CONSIST OF RECYCLED OR REUSED MATERIALS OR PRODUCTS

Please answer the following questions:

1. Do you have a management policy in place that promotes the purchasing and/or use of materials or products that consist of recycled and/or reused materials or products? If yes, please describe.

Stated within: THE LAMBTON COLLEGE OF APPLIED ARTS AND TECHNOLOGY SUSTAINABILITY POLICY

Issued Date: November 24, 2011

Policy #: 4000-5-6

Stated within: THE LAMBTON COLLEGE OF APPLIED ARTS AND TECHNOLOGY PURCHASING POLICY

Issued Date: November 28, 2013

Policy #: 4000-2-1

2. Do you have plans to increase the extent to which materials or products used or sold* consist of recycled or reused

Students in Lambton's Information Technology Professional program work on the Phoenix Project, where students rebuild computers and donate them to non-profit organizations.

Continuing to implement Central Recycling Stations throughout the college on an as-needed basis.

Lambton College will be creating an OES (Ontario Electronic Stewardship) program whereby staff and students can bring unwanted and unused electronics from home to be recycled responsibly.

*Information regarding materials or products "sold" that consist of recycled or reused materials or products is only required

Please attach any additional page(s) as required to answer the above questions.

I hereby certify that the information provided in this Report of a Waste Audit is complete and correct.

Signature of authorized official:

Title:

Date:

Ministry of the Environment Waste Form

Report of a Waste Audit

Industrial, Commercial and Institutional Establishments

As required by O. Reg. 102/94

This report must be prepared 6 months after becoming subject to O. Reg. 102/94 and retained on file for at least five years after it is prepared, and be made available to the ministry upon request.

For large construction and demolition projects, please refer to the forms included with "A Guide to Waste Audits and Waste Reduction Work Plans for Construction and Demolition Projects as Required Under Ontario Regulation 102/94" (Revised July 2008).

I. GENERAL INFORMATION

Name of Owner of Entity(ies) and Company Name: Lambton College		
Name of Contact Person: Paul Cochrane	Telephone #: 519-542-7751 x3774	Email Address: Paul.Cochrane@lambtoncollege.ca
Street Address(es) of Entity(ies): 1457 London Road, Sarnia, ON, N7S 6K4		
Municipality: Sarnia, St. Clair Township, Petrolia		

Type of Entity (check one)

Retail Shopping Establishments	<input type="checkbox"/>	Hotels and Motels	<input type="checkbox"/>
Retail Shopping Complexes	<input type="checkbox"/>	Hospitals	<input type="checkbox"/>
Office Buildings	<input type="checkbox"/>	Educational Institutions	<input checked="" type="checkbox"/>
Restaurants	<input type="checkbox"/>	Large Manufacturing Establishments	<input type="checkbox"/>

II. DESCRIPTION OF ENTITY

Provide a brief overview of the entity(ies):

Lambton College of Applied Arts and Technology is a post secondary educational institution within Lambton County. Now considered as one of the top research colleges in Canada under the Applied Research Department, Lambton College is home to programs relating to: Business & Creative Design, Liberal Studies & English; Community Services; Computer Studies; Fire Sciences; Health Sciences and Technology, Energy & Apprenticeship. KPI reports reveal Lambton as being 100% in overall employer satisfaction; representing one of the highest student to employment work rates. In Lambton County, Lambton College is home to 10 buildings/ campuses: South (Main Building); Lambton INN Residence & Event Centre; Skilled Trades Training Centre; Sustainability Smart House; Suncor Sustainability Centre; North Building; Community Employment Services; Fire & Public Safety Centre of Excellence; Industrial Training Centre and the Bluewater Technology Access Centre at the Western Research Park. Annually, Lambton College enrolls approximately 6,000 to 8,000 students (this includes part-time, full-time, apprenticeships and international) and 500 to 1,300 staff (this includes full-time and part-time). This organization has seen positive growth over the years.

III. PLANS TO REDUCE, REUSE, AND RECYCLE WASTE

For each category of waste described in Part V of "Report of a Waste Audit" (on which this plan is based), explain what your plans are to Reduce, Reuse, and Recycle the waste, including: 1) how the waste will be source separated at the establishment, and 2) the programs to reduce, reuse and recycle all source separated waste.

Waste Category	Source Separation and 3Rs Program
Office Paper	Continue to divert via paper recycling program.
Newspaper and Mixed Paper	Continue to divert via paper recycling program.
Boxboard	Implement into an organics collection composting program
Molded Pulp Containers	Continue to divert via paper recycling program.
Cardboard (OCC)	Continue to divert via paper recycling or cardboard program.
Polycoat/Aseptic Containers	Continue to divert via containers recycling program.
#1 (PET)	Continue to divert via containers recycling program.
#2 (HDPE)	Continue to divert via containers recycling program.
#3 (PVC)	Continue to divert via containers recycling program.
#4 (LDPE)	Continue to divert via containers recycling program.
#5 (PP)	Continue to divert via containers recycling program.
#6 (PS)(Rigid)	Continue to divert via containers recycling program.
#6 (PS) (Expanded Foam)	Find hauler that will recycle this material.
#7 (Other)	Continue to divert via containers recycling program.
Food and Beverage Cans	Continue to divert via containers recycling program.
Food and Beverage (Clear and Colour)	Continue to divert via containers recycling program.
Office Supplies (Recyclable)	Encourage staff and students to donate unwanted items
Paper Towels	Implement into an organics collection composting program
Paper Cups	Implement into an organics collection composting program
Coffee Cups	Implement into an organics collection composting program
Fountain Cups	Continue to diver via pallet reuse/recycling program.
Non-Recyclable Paper	-
Loose Film Bags (#4)	-
Laminated Film	-
Other Plastic	Encourage staff and students to donate unwanted items
Other Glass	Encourage staff and students to donate unwanted items
Other Metal	Encourage staff and students to donate unwanted items
Pre-Consumer Food and Beverage	Implement into an organics collection composting program
Post-Consumer Food and Beverage	Implement into an organics collection composting program
Wood Pallets	Investigate new vendor take back program
Other Wood	Investigate new vendor take back program
Leaf and Yard Waste	Implement into an organics collection composting program
Electronics	Expand on the electronics recycling program for external opportunities
Cartridges	Will continue to divert if other hazardous substances are produced.
Construction and Demolition	Continue to divert via construction and demolition diversion program.
Office Supplies (Recyclable)	Encourage staff and students to donate unwanted items
Office Supplies (Reusable)	Encourage staff and students to donate unwanted items
Unclassified	-
Washroom Waste	-
Textiles (Reusable)	Encourage staff and students to donate unwanted items
Textiles (Non-Reusable)	-
Batteries	Expand on the batteries recycling program.
Fluorescent Bulbs	Continue to divert via fluorescent bulb recycling program.
Other hazardous waste	Investigate alertnatives to generating hazardous waste through the school year as opportunities arise.

IV. RESPONSIBILITY FOR IMPLEMENTING THE WASTE REDUCTION WORK PLAN

Identify who is responsible for implementing the Waste Reduction Work Plan at your entity(ies). If more than one person is responsible for implementation, identify each person who is responsible and indicate the part of the Waste Reduction Work Plan that each person is responsible for implementing.

Name of Person	Responsibility	Telephone #
Reduce: Paul Cochrane	Communications, announcements, bin labels, e-newsletters, etc	519-542-7751 ext 3774
Reuse: Paul Cochrane	Manage reduction and reuse programs. Look into programs where supplier takes back packaging or old/damaged goods.	519-542-7751 ext 3774
Recycle: Paul Cochrane	Collection contracts, search for new markets for materials currently not recycled. Expand on the collections recycling programs.	519-542-7751 ext 3774

V. TIMETABLE FOR IMPLEMENTING WASTE REDUCTION WORK PLAN

Provide a timetable indicating when each Source Separation and 3Rs program of the Waste Reduction Work Plan will be implemented.

Source Separation and 3Rs Program	Schedule for Completion
Office Paper	Completed
Newspaper and Mixed Paper	Completed
Boxboard	Completed
Molded Pulp Containers	Completed
Cardboard (OCC)	Completed
Polycoat/Aseptic Containers	Completed
#1 (PET)	Completed
#2 (HDPE)	Completed
#3 (PVC)	Completed
#4 (LDPE)	Completed
#5 (PP)	Completed
#6 (PS)(Rigid)	Completed
#6 (PS) (Expanded Foam)	-
#7 (Other)	Completed
Food and Beverage Cans	Completed
Food and Beverage (Clear and Coloured) Glass	Completed
Office Supplies (Recyclable)	TBD
Paper Towels	TBD
Paper Cups	TBD
Coffee Cups	Completed. Now accepted in the containers stream.
Fountain Cups	-
Non-Recyclable Paper	-
Loose Film Bags (#4)	-
Laminated Film	-
Other Plastic	-
Other Glass	-
Other Metal	-
Pre-Consumer Food and Beverage	TBD
Post-Consumer Food and Beverage	TBD
Wood Pallets	Investigate new collection opportunity.
Other Wood	-
Leaf and Yard Waste	Completed
Electronics	Completed. Expand on the electronics collection program.
Cartridges	Completed
Construction and Demolition	Completed
Office Supplies (Recyclable)	TBD
Office Supplies (Reusable)	TBD
Unclassified	-
Washroom Waste	-
Textiles (Reusable)	TBD
Textiles (Non-Reusable)	-
Batteries	Completed. Expand on the batteries collection program.
Fluorescent Bulbs	Completed.
Other hazardous waste	Completed.

VI. COMMUNICATION TO STAFF, CUSTOMERS, GUESTS AND VISITORS

Explain how the Waste Reduction Work Plan will be communicated to employees, customers, tenants, guests/visitors and students:

The Waste Audit and Waste Reduction Work Plan will be posted under the Facilities Management webpage on the lambtoncollege.ca website. It will be reviewed for AODA compliancy prior to posting. Depending on web space, an infographic or summary report may just be posted with a link or contact information for viewers who would like to receive a full copy of the report and plan. Other forms of communication could involve: posting on Facilities Management bulletin boards, TV screens, email notices, in-class presentations, etc.

VII. ESTIMATED WASTE PRODUCED BY MATERIAL TYPE AND THE PROJECTED AMOUNT TO BE DIVERTED BY THE 3Rs

Material Categories	Estimated Annual Waste Produced * (kg)	Name of Proposed 3Rs Program	Projections to Reduce, Reuse or Recycle Waste (kg)			Estimated Annual Amount to be Diverted ** (%)
			Reduce	Reuse	Recycle	
Office Paper	12,393.3	Paper Recycling			12,393.3	100%
New spaper and Mixed Paper	20,629.8	Paper Recycling			18,566.8	90%
Boxboard	6,732.4	Paper Recycling			6,732.4	100%
Molded Pulp Containers	3,798.5	Paper Recycling			3,798.5	100%
Cardboard (OCC)	36,079.6	Paper/ Cardboard Recycling			36,079.6	100%
Polycoat/Aseptic Containers	1,721.8	Containers Recycling			1,549.6	90%
#1 (PET)	19,953.9	Containers Recycling			17,958.5	90%
#2 (HDPE)	1,955.7	Containers Recycling			1,760.1	90%
#3 (PVC)	0.0	Containers Recycling			0.0	100%
#4 (LDPE)	0.0	Containers Recycling			0.0	100%
#5 (PP)	1,430.7	Containers Recycling			1,287.6	90%
#6 (PS)(Rigid)	4,101.2	Containers Recycling			3,691.1	90%
#6 (PS) (Expanded Foam)	0.0	-			0.0	0%
#7 (Other)	440.5	Containers Recycling			396.5	90%
Food and Beverage Cans	10,602.3	Containers Recycling			9,542.1	90%
Food and Beverage (Clear and Coloured) Glass	3,529.8	Containers Recycling			3,176.8	90%
Office Supplies (Recyclable)	0.0	Donation Program			0.0	50%
Paper Tow els	51,016.9	Paper Tow el Recycling			7,652.5	15%
Paper Cups	215.2	Paper Cup Recycling			64.6	30%
Coffee Cups	1,348.6	Containers Recycling			674.3	50%
Fountain Cups	1,234.8	-			0.0	0%
Non-Recyclable Paper	2,873.4	-			0.0	0%
Loose Film Bags (#4)	4,096.9	-			0.0	0%
Laminated Film	1,229.7	-			0.0	0%
Other Plastic	256.2	-			0.0	0%
Other Glass	55,428.3	-			0.0	0%
Other Metal	73,832.6	-			73,094.3	99%
Pre-Consumer Food and Beverage	3,511.8	Food Waste Composting			2,458.3	70%
Post-Consumer Food and Beverage	0.0	Food Waste Composting			0.0	50%
Wood Pallets	222.0	Pallet Recycling			222.0	100%
Other Wood	0.0	-			0.0	0%
Leaf and Yard Waste	0.0	-			0.0	0%
Electronics	4,450.0	Electronics Recycling			4,450.0	100%
Cartridges	5,112.0	Cartridges Recycling			5,112.0	100%
Construction and Demolition	4,847.0	Construction and Demolition Reuse and Recycling			2,423.5	50%
Office Supplies (Recyclable)	1,373.2	Various Recycling programs			686.6	50%
Office Supplies (Reusable)	0.0	Asset Surplus Sale/ Auction Reuse Program			0.0	100%
Unclassified	0.0	-			0.0	
Washroom Waste	0.0	-			0.0	
Textiles (Reusable)	0.0	Textiles exchange program			0.0	90%
Textiles (Non-Reusable)	0.0	-			0.0	
Batteries	431.5	Battery Recycling			431.5	100%
Fluorescent Bulbs	7,432.2	Fluorescent Bulb Recycling			7,432.2	100%
Other hazardous waste	11,552.8	Hazardous Waste Recycling			11,552.8	100%
Total	353,834.6	-	0	0	233,187.4	66%

* Estimated Waste Produced = Waste Diverted (3Rs) + Waste Disposed

** Estimated Waste Diversion Rate = Amount of Waste Diverted (3Rs) ÷ Estimated Waste Produced x 100%

I hereby certify that the information provided in this Waste Reduction Work Plan is complete and correct.

Signature of authorized official:	Title:	Date:

9.0 REFERENCES

- 1** United States Environmental Protection Agency. (2018). Greenhouse Gases Equivalencies Calculator - Calculations and References. *Energy and the Environment*. Retrieved from <<https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references>>
- 2** United States Environmental Protection Agency. (2018). Greenhouse Gas Emissions from a Typical Passenger Vehicle. *Green Vehicle Guide*. Retrieved from <<https://www.epa.gov/greenvehicles/greenhouse-gas-emissions-typical-passenger-vehicle>>
- 3** Lambton College. (2019). Our Strategic Plan: Empowering Today. Shaping Tomorrow. *Our College*. Retrieved from <<https://www.lambtoncollege.ca/strategic-plan/>>
- 4** The Corporation Of The City of Sarnia. (2019). Recycling Guidelines. Retrieved from <<http://www.sarnia.ca/living-here/garbage-and-recycling/recycling-guidelines>>
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- 6** Environmental Protection Act. (2011). O. Reg. 103/94: INDUSTRIAL, COMMERCIAL AND INSTITUTIONAL SOURCE SEPARATION PROGRAMS. *Queen's Printer for Ontario, 2012-19*. Retrieved from <<https://www.ontario.ca/laws/regulation/940103>>
- 7** Environmental Protection Act. (1994). O. Reg. 102/94: WASTE AUDITS AND WASTE REDUCTION WORK PLANS. *Queen's Printer for Ontario, 2012-19*. Retrieved from < <https://www.ontario.ca/laws/regulation/940102>>
- 8** Minister of Justice. (2019). Environmental Protection Act, R.S.O. 1990, c. E.19. *Queen's Printer for Ontario, 2012-19*. Retrieved from <<https://www.ontario.ca/laws/statute/90e19>>
- 9** Government of Ontario. (2019). Resource Recovery and Circular Economy Act, 2016, S.O. 2016, c. 12, Sched. 1. *Queen's Printer for Ontario, 2012-19*. Retrieved from <<https://www.ontario.ca/laws/statute/16r12>>
- 10** Morden, P. (2017). Lambton College makes aboriginal acknowledgement a tradition. *The Sarnia Observer*. Retrieved from <<https://www.theobserver.ca/2017/01/16/lambton-college-makes-aboriginal-acknowledgment-a-tradition/wcm/3c1b0b42-54b6-7fe4-9884-b4284131054e>>