

Advisory Committee on the Environment

Report

The 2nd Meeting of the Advisory Committee on the Environment
January 8, 2020
Committee Room #4

Attendance PRESENT: R. Sirois (Chair), M. Bloxam, J. Howell, M. Ross, D. Szoller, A. Thompson and A. Tipping and J. Bunn (Committee Secretary)

ABSENT: K. May, M.D. Ross and K. Soliman

ALSO PRESENT: S. Armstrong, T. Arnos, A. Dunbar, J. Stanford

The meeting was called to order at 12:18 PM.

1. Call to Order

1.1 Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

2. Scheduled Items

2.1 2020-2023 Multi-Year Budget Overview

That it BE NOTED that the attached presentation from A. Dunbar, Manager, Financial Planning and Policy, with respect to an overview of the 2020-2023 Multi-Year Budget, was received.

3. Consent

3.1 1st Report of the Advisory Committee on the Environment

That it BE NOTED that the 1st Report of the Advisory Committee on the Environment, from its meeting held on December 4, 2019, was received.

3.2 11th Report of the Transportation Advisory Committee

That it BE NOTED that the 11th Report of the Transportation Advisory Committee, from its meeting held on November 26, 2019, was received.

3.3 12th Report of the Environmental and Ecological Planning Advisory Committee

That it BE NOTED that the 12th Report of the Environmental and Ecological Planning Advisory Committee, from its meeting held on November 21, 2019, was received.

3.4 11th Report of the Trees and Forests Advisory Committee

That it BE NOTED that the 11th Report of the Trees and Forests Advisory Committee, from its meeting held on November 27, 2019, was received.

4. Sub-Committees and Working Groups

4.1 Energy Sub-Committee Report

That the Energy Sub-Committee report, as appended to the agenda, BE REFERRED back to the Energy Sub-Committee for further review and revisions.

5. Items for Discussion

5.1 Zero Waste Conference 2019

That it BE NOTED that the attached presentation from R. Sirois, with respect to an overview of the Zero Waste Conference 2019, was received.

5.2 Climate Action Presentation by D. Saxe at Green in the City Event

That the Climate Action Presentation by D. Saxe at the Green in the City Event update BE DEFERRED to the February 2020 meeting of the Advisory Committee on the Environment.

5.3 Information Update - London's Premier Zero Waste Festival, June 13, 2020

That the information update with respect to London's Premier Zero Waste Festival, to be held on June 13, 2020, BE DEFERRED to the February 2020 meeting of the Advisory Committee on the Environment.

5.4 Review and Affirmation of ACE Sub-Committees

That the discussion related to the Advisory Committee on the Environment (ACE) Sub-Committees, BE DEFERRED to the February 2020 meeting of the ACE.

5.5 ACE 2020 Budget

That the discussion related to the Advisory Committee on the Environment (ACE) 2020 Budget, BE DEFERRED to the February 2020 meeting of the ACE.

5.6 ACE 2020 Work Plan

That the discussion related to the Advisory Committee on the Environment (ACE) 2020 Work Plan, BE DEFERRED to the February 2020 meeting of the ACE.

6. Adjournment

The meeting adjourned at 2:04 PM.



**2020-2023
MULTI-YEAR
BUDGET**
City of London

**Advisory Committee on the
Environment**
January 8, 2020




Budget Documents

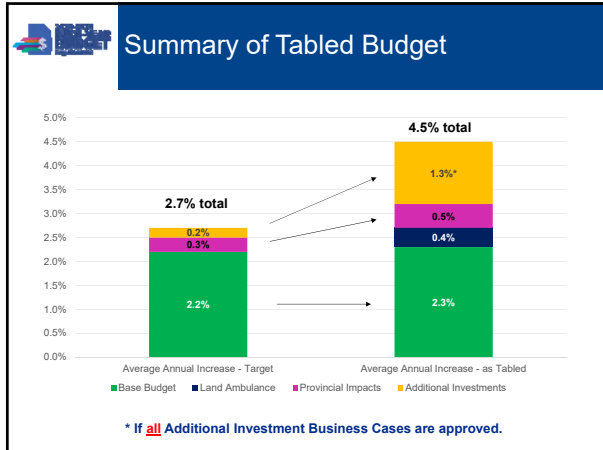


Agenda

- Overview of the Tabled 2020-2023 Multi-Year Budget
- Operating Budget Overview
- Capital Budget Overview
- Additional Investments Overview
- Additional Investments – Environmental Focus
- Water and Wastewater & Treatment Overview
- Key Dates & Upcoming Public Engagement



Overview of Tabled 2020-2023 Multi-Year Budget

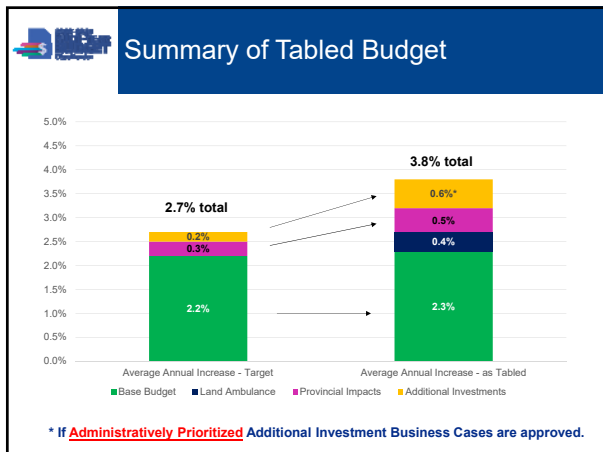


Average Taxpayer Impact – Including All Additional Investments

Maintain Existing Service Levels + All Additional Investments

IMPACT TO RATE PAYERS	2019	2020	2021	2022	2023	2020-2023 AVERAGE
AVERAGE ASSESSED RESIDENTIAL PROPERTY VALUE: 241,000						
Total Potential Increase		6.0%	4.8%	3.6%	3.4%	4.5%
Additional Cost for Base Budget		103	107	78	88	94
Additional Investments:						
Administratively Prioritized		26	20	20	8	19
Additional Investments:						
For Consideration		40	19	15	15	22
Total Additional Impact:		169	146	113	111	135
Total Potential Cost of Municipal Services	2,842	3,011	3,157	3,270	3,381	3,205

Subject to rounding.



Average Taxpayer Impact – Including Administratively Prioritized Additional Investments

Maintain Existing Service Levels + Additional Investments Administratively Prioritized

IMPACT TO RATE PAYERS	2019	2020	2021	2022	2023	2020-2023 AVERAGE
AVERAGE ASSESSED RESIDENTIAL PROPERTY VALUE: 241,000						
Total Potential Increase		4.6%	4.2%	3.2%	3.0%	3.8%
Additional Cost for Base Budget		103	107	78	88	94
Additional Investments:						
Administratively Prioritized		26	20	20	8	19
Total Additional Impact:		129	127	98	96	113
Total Potential Cost of Municipal Services	2,842	2,971	3,098	3,196	3,292	3,139

Subject to rounding.

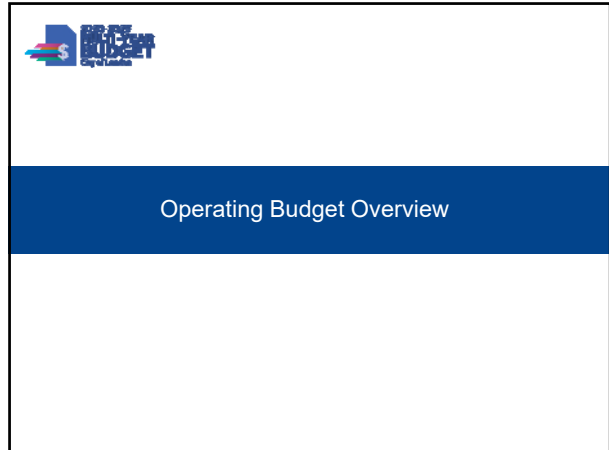
Includes Decision Points 1A, 1B, 2 & 4 (Admin. Prioritized)

2020-2023 Multi-Year Budget Decision Points

Decision Point	Recommended	For Consideration	Potential 2020-2023 Average Levy Increase
1A: Base Budget excluding Land Ambulance & Provincial Impacts	2.3%	-	2.3%
1B: Land Ambulance	0.4%	-	0.4%
2: Provincial Impacts	0.1%	0.4%	0.5%
Subtotal: Net Base Budget (Maintain Existing Service Levels)	2.8%	0.4%	3.2%

Decision Point	Administratively Prioritized	For Consideration	Potential 2020-2023 Average Levy Increase
3: Potential Net Levy Reductions	-	(0.2%)	(0.2%)
4: Additional Investments	0.6%	0.7%	1.3%

	Recommended / Administratively Prioritized	For Consideration	Potential 2020-2023 Average Levy Increase
Total Tax Levy Increase	3.4%	0.9%	4.3%



Decision Point 1A: Base Budget Excluding Land Ambulance & Provincial Impacts (pg. 36)

Decision Point 1A: 2020-2023 Multi-Year Base Budget (\$000's)
****Excludes Land Ambulance & Provincial Budget Impacts****

Service Program	2019 Budget	2020 Budget	2021 Budget	2022 Budget	2023 Budget	2020 - 2023 Net Increase/ (Decrease)	2020 - 2023 Average Annual Net % Increase/ (Decrease)
Culture	25,349	26,134	26,677	27,121	27,591	2,242	2.1%
Economic Prosperity	11,770	11,037	10,628	10,219	9,794	(1,976)	-4.5%
Environmental Services	22,896	24,719	26,403	28,536	29,733	3,846	4.0%
Parks, Recreation & Neighbourhood Services	36,886	37,135	37,200	37,470	37,636	750	0.9%
Planning & Development Services	8,807	9,091	9,187	9,282	9,247	440	1.2%
Protective Services	179,928	185,760	190,282	195,037	199,795	18,867	2.0%
Social & Health Services ¹	51,583	52,508	53,682	54,841	55,848	4,265	2.0%
Transportation Services	72,884	74,223	75,056	77,009	78,128	5,244	1.8%
Corporate, Operational & Council Services	66,076	66,707	67,710	68,800	69,475	3,399	1.3%
Financial Management	113,923	112,345	118,423	123,671	133,323	19,400	4.1%
TOTAL	890,093	899,617	916,338	929,983	946,870	56,477	2.3%
Annual \$ Net Increase/ (Decrease)		9,524	16,721	13,645	16,987		14,119
Annual % Net Increase/ (Decrease)		1.8%	2.8%	2.2%	2.8%		2.3%

Notes:
 1. Social & Health Services excludes Land Ambulance

Decision Point 1B: Land Ambulance (pg. 36)

Decision Point 1B: Land Ambulance (\$000's)

Service	2019 Budget	2020 Budget	2021 Budget	2022 Budget	2023 Budget	2020 - 2023 Net Increase/ (Decrease)	2020 - 2023 Average Annual Net % Increase/ (Decrease)
Land Ambulance	16,443	20,812	24,461	27,275	29,312	12,869	15.8%
Annual \$ Net Increase/ (Decrease)		4,368	3,649	2,815	2,037		3,217
Annual % Net Increase/ (Decrease)		26.6%	17.5%	11.5%	7.5%		15.8%

Subject to rounding

Represents an average annual tax levy impact of approx. 0.4%

Decision Point 2A: Recommended Provincial Impacts (pg. 37-38)

Decision Point 2A: Summary of Provincial Budget Impacts Recommended (\$000's)

Service Program	2019 Budget	2020 Budget	2021 Budget	2022 Budget	2023 Budget
Parks, Recreation & Neighbourhood Services	-	-	392	404	410
Social & Health Services	-	610	610	610	610
TOTAL	-	610	1,002	1,013	1,019

Subject to rounding.

Represents an average annual tax levy impact of approx. 0.1%

Decision Point 2B: Provincial Impacts For Consideration (pg. 38-39)

Decision Point 2B: Summary of Provincial Budget Impacts for Consideration (\$000's)

Service Program	2019 Budget	2020 Budget	2021 Budget	2022 Budget	2023 Budget
Culture	-	14	14	14	14
Environmental Services	-	147	150	152	154
Parks, Recreation & Neighbourhood Services	-	75	1,705	1,705	1,705
Protective Services	-	639	639	639	639
Social & Health Services	-	1,212	1,488	1,737	1,812
Transportation Services	-	5,482	5,482	5,482	5,482
TOTAL	-	7,568	9,477	9,727	9,805

Subject to rounding.

Represents an average annual tax levy impact of approx. 0.4%

Operating Budget Overview – Service Program Details

2020-2023 Multi-Year Budget (\$000's)

Service Grouping	2019 Net Revised Budget	2020 Expense	2020 Net Budget	2021 Expense	2021 Net Budget	2022 Expense	2022 Net Budget	2023 Expense	2023 Net Budget	2020 - 2023 Net Increase/Decrease	2020 - 2023 Average Annual Net % Increase/Decrease	Average Daily Tax Payer Impact
ENVIRONMENTAL SERVICES												
Kettle Creek Conservation Authority	551	557	574	574	574	591	591	609	609	58	2.5%	\$ 0.01
Lower Thames Valley Conservation Authority	169	170	173	173	177	177	179	179	11	1.5%	\$ -	
Upper Thames River Conservation Authority	3,720	3,820	3,820	4,150	4,233	4,233	4,318	4,318	598	3.8%	\$ 0.05	
Environmental Action Programs & Support	796	948	957	957	965	965	965	942	46	1.4%	\$ 0.02	
Waste, Recycling & Composting	17,651	33,443	34,076	34,076	35,020	35,020	35,422	35,422	20,930	4.3%	\$ 0.26	
TOTAL ENVIRONMENTAL SERVICES	22,888	39,041	34,866	40,433	38,853	40,995	38,897	41,498	26,887	4.0%	\$ 0.34	
TOTAL 2020-2023 NET BUDGET										104,993		


Subject to rounding.

Notes:
 1. Grants and Commissions are reported as the net expenditure to the City with the exception of the London Police Service which contains gross expenditure and non-revenue as a result of shared financial reporting systems.
 2. Provincial impacts are reflected in the figures above, the table below details the Provincial impacts that are for consideration.

Operating Budget Overview – Service Program Details

Environmental Services - Budget Breakdown of Provincial Impacts

Service Grouping	2019 Net Revised Budget	2020 Expense	2020 Net Budget	2021 Expense	2021 Net Budget	2022 Expense	2022 Net Budget	2023 Expense	2023 Net Budget	2020 - 2023 Net Increase/Decrease	2020 - 2023 Average Annual Net % Increase/Decrease	Average Daily Tax Payer Impact
Kettle Creek Conservation Authority including Provincial Impacts	551	524	524	541	541	558	558	576	576	25	1.2%	\$ 0.01
For Consideration - Hazard Program Funding Cut	-	33	33	33	33	33	33	33	33	33	1.9%	\$ -
Kettle Creek Conservation Authority Total including Provincial Impacts	551	557	557	574	574	591	591	609	609	58	2.6%	\$ 0.01
Lower Thames Valley Conservation Authority including Provincial Impacts	169	165	165	168	168	172	172	174	174	5	0.9%	\$ -
For Consideration - Hazard Program Funding Cut	-	5	5	5	5	5	5	5	5	5	0.6%	\$ -
Lower Thames Valley Conservation Authority Total including Provincial Impacts	169	170	170	173	173	177	177	179	179	11	1.5%	\$ -
Upper Thames River Conservation Authority including Provincial Impacts	3,720	3,810	3,810	4,038	4,038	4,119	4,119	4,202	4,202	482	3.1%	\$ 0.05
For Consideration - Hazard Program Funding Cut	-	110	110	112	112	114	114	116	116	116	0.7%	\$ -
Upper Thames River Conservation Authority Total including Provincial Impacts	3,720	3,920	3,920	4,150	4,150	4,233	4,233	4,318	4,318	598	3.8%	\$ 0.05




Operating Budget Overview – Service Program Details

2020-2023 Multi-Year Budget (\$000's)

Service Grouping	2019 Net Revised Budget	2020 Expense	2020 Net Budget	2021 Expense	2021 Net Budget	2022 Expense	2022 Net Budget	2023 Expense	2023 Net Budget	2020 - 2023 Net Increase/Decrease	2020 - 2023 Average Annual Net % Increase/Decrease	Average Daily Tax Payer Impact	
PARKS, RECREATION & NEIGHBOURHOOD SERVICES													
Neighbourhood & Recreation Services	20,342	99,011	29,660	99,688	26,863	100,348	26,910	101,368	26,020	2,662	2.8%	\$ 0.23	
Parks & Urban Forestry	13,543	13,565	13,520	13,041	13,064	13,725	13,662	13,763	13,727	183	0.3%	\$ 0.17	
TOTAL PARKS, RECREATION & NEIGHBOURHOOD SERVICES	33,885	112,576	43,180	112,729	40,927	114,073	40,572	115,131	40,747	2,865	1.9%	\$ 0.40	
TOTAL 2020-2023 NET BUDGET											165,928		

Notes:
 1. Provincial impacts are reflected in the figures above; the table below details the Provincial Impacts that are Recommended and for Consideration.




Operating Budget Overview – Service Program Details

2020-2023 Multi-Year Budget (\$000's)

Service Grouping	2019 Net Revised Budget	2020 Expense	2020 Net Budget	2021 Expense	2021 Net Budget	2022 Expense	2022 Net Budget	2023 Expense	2023 Net Budget	2020 - 2023 Net Increase/Decrease	2020 - 2023 Average Annual Net % Increase/Decrease	Average Daily Tax Payer Impact	
TRANSPORTATION SERVICES													
Parking	(3,592)	3,472	(3,648)	3,992	(3,718)	4,130	(3,844)	4,130	(3,841)	(249)	-1.7%	\$ (0.02)	
London Transit Commission ¹	32,831	37,860	37,860	39,367	39,367	40,161	40,161	41,044	41,044	8,213	5.9%	\$ 0.51	
Roadways	43,645	52,372	45,483	53,826	45,889	54,030	46,173	54,071	46,407	2,762	1.0%	\$ 0.09	
Rapid Transit		90		90		90		90		0	0.0%	\$ -	
TOTAL TRANSPORTATION SERVICES	72,889	93,794	78,704	97,265	81,537	98,401	82,498	99,333	83,899	16,725	3.0%	\$ 1.05	
TOTAL 2020-2023 NET BUDGET											327,941		

Notes:
 1. Boards and Commissions are reported as the net expenditure to the City with the exception of the London Police Service which contains gross expenditures and non-tax revenue as a result of shared financial reporting systems.
 2. Provincial impacts are reflected in the figures above; the table below details the Provincial Impacts that are for Consideration.




Operating Budget Overview – Service Program Details

Transportation Services - Budget Breakdown of Provincial Impacts

Service Grouping	2019 Net Revised Budget	2020 Expense	2020 Net Budget	2021 Expense	2021 Net Budget	2022 Expense	2022 Net Budget	2023 Expense	2023 Net Budget	2020 - 2023 Net Increase/Decrease	2020 - 2023 Average Annual Net % Increase/Decrease	Average Daily Tax Payer Impact
London Transit Commission (excluding Provincial Impacts)	32,831	32,376	32,376	33,885	33,885	34,679	34,679	35,562	35,562	2,731	2.0%	\$ 0.44
For Consideration - Elimination of planned doubling of provincial gas tax	-	5,482	5,482	5,482	5,482	5,482	5,482	5,482	5,482	5,482	3.9%	\$ 0.07
London Transit Commission Total including Provincial Impacts	32,831	37,860	37,860	39,367	39,367	40,161	40,161	41,044	41,044	8,213	5.9%	\$ 0.51

Notes:
 1. Subject to rounding.



Capital Budget Overview

Capital Budget by Service Program

SERVICE PROGRAM OVERVIEW (\$000's)

2020 - 2023 CAPITAL BUDGET OVERVIEW (\$000's)

Service Program	2019 Revised	2020 Proposed	2021 Proposed	2022 Proposed	2023 Proposed	2020-2023 Total	Percentage 2020-2023 Total	2024-2029 Forecast	2020-2029 Total	Percentage 2020-2029 Total
Culture Services	6,794	8,152	1,976	2,016	2,006	14,170	1.2%	15,331	29,501	1.2%
Economic Prosperity	12,625	4,018	8,655	7,420	12,688	32,181	2.8%	38,087	70,268	2.8%
Environmental Services	2,475	41,435	675	2,555	15,625	60,200	5.2%	37,315	97,605	4.0%
Parks, Recreation & Neighbourhood Services	26,501	24,800	22,834	22,171	56,632	128,437	11.1%	113,470	241,906	9.8%
Planning & Development Services	1,745	1,295	2,401	1,784	4,297	9,776	0.8%	3,838	13,614	0.6%
Protective Services	6,122	14,185	20,083	28,263	29,442	91,973	8.0%	110,801	202,774	8.2%
Social & Health Services	5,203	3,548	3,803	3,808	3,808	14,967	1.3%	22,636	37,603	1.5%
Transportation Services	130,679	168,236	143,240	197,894	234,957	744,327	64.6%	893,977	1,638,304	66.3%
Corporate, Operational & Council Services	13,124	13,532	11,171	15,283	16,874	59,861	4.9%	82,180	139,041	5.6%
Total	205,269	279,201	214,837	281,194	377,750	1,152,962		1,317,635	2,470,617	

Subject to rounding.

Capital Budget by Service Program

Major & Notable Capital Works in Ten Year Plan 2020-2029 (\$000's)

Classification	Life-to-Date	2020	2021	2022	2023	2020-2023 Total	2024-2029	2020-2029 Total
Environmental Action Programs								
EV6020 Active Transportation	Life Cycle	300	300	300	300	1,200	1,800	3,000
Garbage Recycling & Composting								
SW6050 New & Emerging Solid Waste	Service Improvement	500	35,500			35,500		35,500
SW6080 Long Term Disposal Capacity	Service Improvement			1,000	15,000	16,000	8,000	24,000
SW6020 Organic Waste Diversion	Growth						20,000	20,000
SW602120 W 12A New Cell Construction	Life Cycle	4,600				4,600		4,600
SW6530 Material Recovery Facility	Life Cycle	60	230	50	450	730	2,835	3,565
SW604020 Landfill Gas Collection	Life Cycle	370	100	370	100	940	2,020	2,960
SW601420 W 12A Ancillary	Life Cycle	300	150	300	150	900	1,650	2,550

Capital Budget by Service Program

Major & Notable Capital Works in Ten Year Plan 2020-2029 (\$000's)

Classification	Life-to-Date	2020	2021	2022	2023	2020-2023 Total	2024-2029	2020-2029 Total	
Parks & Urban Forestry									
JF2047 Urban Forest Strategy	Service Improvement	1,200	1,400	1,600	1,600	5,800	9,600	15,400	
PK204319 New Major Open Space (2019-2023)	Growth	270	2,012	930	551	3,567	7,050	9,901	
PK102320 Maintain District Parks	Life Cycle	850	885	885	950	3,570	5,980	9,550	
RC274920 Park Facilities Mjr Upgrades	Life Cycle	555	846	1,340	1,260	4,001	4,675	8,676	
PK301919 New Urban Parks (2019-2023)	Growth	910	2,456	1,091	618	364	4,529	7,259	
PK212419 New Thames Valley Parkway	Growth	1,406	2,093	1,177	1,177	785	5,232	327	5,559
PK218519 New Pedestrian Bridges and Tunnels (2019-2023)	Growth	2,325	525	500	1,575	4,925	525	5,450	
PK213520 Maintain Thames Valley Parkway	Life Cycle	425	425	425	475	1,750	3,050	4,800	

Capital Budget by Service Program

Major & Notable Capital Works in Ten Year Plan 2020-2029 (\$000's)

Classification	Life-to-Date	2020	2021	2022	2023	2020-2023 Total	2024-2029	2020-2029 Total
London Transit Commission								
MU10420 Bus Purchase Replacement	Life Cycle	9,488	10,081	10,419	10,756	40,744	64,535	105,279
MU1176 Conventional Transit (Growth) PTS	Growth	1,155	2,097	4,065	4,065	3,252	13,477	24,045
MU1450 Highbury Facility Demolition	Service Improvement						7,500	7,500
Roadways								
TS144620/TS301420 Road Networks Improvements	Life Cycle	22,320	24,975	25,444	25,913	98,651	165,383	264,034
TS176320 Bridges Major Upgrades	Life Cycle	5,208	5,275	5,342	5,409	21,233	33,868	55,101
TS406720 Traffic Signals - M/c	Life Cycle	4,199	4,266	4,343	4,370	17,177	29,330	46,516
TS1306 Adelaide Street Grade	Life Cycle	20,350	37,925			37,925		37,925
TS512320 Street Light Maintenance	Life Cycle	2,844	2,977	3,111	3,184	12,116	11,258	33,375
TS1355-1 Wharncliffe Rd - Becher St to Springbank Dr	Growth	16,428	24,969			24,969		24,969
TIMS - Transportation Intelligent Mobility Mgmt System	Growth	2,356	2,356	2,356	2,356	9,425	5,049	14,474
TS1329 Colonel Talbot Rd - 300m South of Southdale Rd to James St	Growth	700		849	11,129	12,678		12,678
TS1202 Victoria Bridge Replacement	Life Cycle	800		10,040		10,840		10,840
TS1749 Dundas Street Old East Village Streetscape Improvements - PTS	Service Improvement	8,200				8,200		8,200

Capital Budget by Service Program

PROJECT DETAIL RECORD
CORPORATION OF THE CITY OF LONDON
2020 Capital Budget with Forecasts (in \$000's)

Job Number	Project Title	Entity	Service Program	Service Grouping	Service	Service Area	Classification	Project/Program Manager
TS172919	ACTIVE TRANSPORTATION (2019)	City Department	Transportation Services	Roadways	Roadways Planning & Design	Equipment & Training	Growth	D. Giles

Project Description:
To introduce bicycle lanes to roadways and other cycling facilities in accordance with the City's Cycling Master Plan (London On Bikes); 50% Growth Related (50.2% DC Rate Supported); Growth splits are consistent with the 2019 Development Charge Study.

Project Justification:
Identified in the Cycling Master Plan and Transportation Master Plan. Facilities added either as independent projects or in conjunction with other City works for cost effectiveness. Program has potential to leverage senior government funding programs.

Year	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030 Ann	Total
Page	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2030	
Actual Budget														
EXPENDITURE														
DESIGN	500	500	500	500	510	515	515	516	521	524	527	5287	2,314	
CONSTRUCTION	2,174	2,254	2,254	2,254	2,240	891	912	934	957	980	1,003	10,103	20,308	
CITY RELATED EXPENSES														
EXPENDITURE	2,674	2,754	2,754	2,754	2,746	1,406	1,427	1,452	1,478	1,504	1,530	11,430	21,588	
SOURCES OF FINANCING														
RATE SUPPORTED														
FINANCED FROM OPERATIONS	391					502	514	526	539	552	565	5,734	9,329	
DEBT FINANCE	941	1,332	1,332	1,332	1,476	502	514	526	539	552	565	5,734	11,459	
RATE SUPPORTED	1,332	1,332	1,332	1,332	1,476	502	514	526	539	552	565	5,734	11,448	
NON-RATE SUPPORTED														
RESERVE FUND	1,342	1,332	1,332	1,332	1,476	502	514	526	539	552	565	5,734	11,702	
NON-RATE SUPPORTED	1,342	1,332	1,332	1,332	1,476	502	514	526	539	552	565	5,734	11,702	
SOURCES OF FINANCING	2,674	2,674	2,674	2,674	2,842	1,004	1,028	1,052	1,076	1,100	1,124	11,468	21,588	
ACTIVE TRANSPORTATION (2019)							1						2	

Capital Budget by Service Program

Major & Notable Capital Works in Ten Year Plan 2020-2029 (\$000's)


Classification	Life-to-Date	2020-2023				2024-2029		2020-2029	
		2020	2021	2022	2023	Total	2024-2029	Total	
Rapid Transit									
RTNORTH North Connection	Growth	5,036						131,668	131,668
RTSOUTH Wellington Gateway (South)	Growth	11,918	6,248	4,114	11,759	87,978	110,099	14,128	124,227
RTEAST East London Link	Growth	5,213	9,924	16,179	73,814	12,074	111,991	6,609	118,600
RTWEST West Connection	Growth	3,568				9,000	750	60,400	70,150
RTDOWNTOWN Downtown Loop	Growth	3,719	310	24,587	465	361	25,723	177	25,900

Additional Investments Overview

Additional Investments – Potential Tax Levy Impact

Business Cases (\$000's)	2020 Budget	2021 Budget	2022 Budget	2023 Budget	2020-2023 Average % Inc/(Dec)
Administratively Prioritized	5,563	9,805	14,164	15,927	
Tax Levy % Increase	0.9%	0.6%	0.6%	0.2%	0.6%
For Consideration	8,549	12,703	15,812	19,028	
Tax Levy % Increase	1.4%	0.6%	0.4%	0.4%	0.7%
Total Potential \$ Tax Levy Increase	14,112	22,508	29,976	34,955	
Total Potential % Tax Levy Increase	2.3%	1.2%	1.0%	0.6%	1.3%


Subject to rounding.



Additional Investments – Administratively Prioritized

#	BUSINESS CASES (\$000's)	GROSS INVESTMENT REQUESTED	
		2020-2023	2024-2029
ADDITIONAL INVESTMENTS ADMINISTRATIVELY PRIORITIZED			
1	60% Waste Diversion Action Plan	17,600	39,000
2	Affordable Housing Community Improvement Plan Back to the River: Part A) Forks with outlook Part B) One River Environmental Assessment Management Implementation Part C) Soho Environmental Assessment	4,772	1,218
3	City of London Infrastructure Gap - Part A	12,403	-
4A	Climate Emergency Declaration: Part A - Develop Climate Emergency Action Plan (CEAP)	1,250	2,000
5A	Coordinated Informed Response	500	6,000
6	Climate Emergency Declaration: Part A - Develop Climate Emergency Action Plan (CEAP)	50	-
7A	Core Area Action Plan - Part A	6,703	10,428
8	Core Area Action Plan - Part A	16,385	15,880
9	Deanses Home Auditorium Expansion	2,456	510
9	Fanshawe College Innovation Village	3,000	-
10A	HDC Funding for Affordable Housing - Part A	850	3,000
11	Information Systems: Part A) Development Application Tracking Software Part B) Human Capital Management System	3,900	1,300
12	LMCH Infrastructure Gap	1,230	1,098
13	LMCH Infrastructure Gap	15,518	36,852
14	Master Accommodation Plan	13,000	134,377
14	Operations Master Plan 2020	5,118	14,704
15	Subsidized Transit Program	3,608	6,435
16	T-Block Replacement / New Storage Building	901	102

Business cases are listed in alphabetical order




Additional Investments – For Consideration

#	BUSINESS CASES (\$000's)	GROSS INVESTMENT REQUESTED	
		2020-2023	2024-2029
Decision Point 4B: ADDITIONAL INVESTMENTS FOR CONSIDERATION			
4B	City of London Infrastructure Gap - Part B	17,563	92,940
5B	Climate Emergency Declaration Part B - Implementation of CEAP Immediate Actions	1,296	1,890
7B	Core Area Action Plan - Part B	9,775	14,430
10B	HDC Funding for Affordable Housing - Part B	2,800	4,850
17	Community Improvement Plan: Part A) Community Building Projects Part B) Land Acquisitions	160	300
18	LMCH - Co-investment with CHMC	400	400
19	LMCH Operating Staffing & Security	20,259	22,258
20	London Public Library - Collections	6,941	14,347
21	London Public Library - Collections	600	900
21	Regeneration of Public Housing	5,295	15,000
22	Smart City Strategy	466	1,248
23	Street Light Local Improvement	830	1,401
24	WIR in Recreation Facilities for the Public	150	-
25	Water Maintenance Program Support	4,220	7,440
TOTAL FOR CONSIDERATION		70,686	177,554
TOTAL BUSINESS CASES		182,930	460,448

Business cases are listed in alphabetical order



Additional Investments – Environmental Focus



Additional Investments – Environmental Focus


Administratively Prioritized

Additional Investment #	1	60% Waste Diversion Action Plan
Strategic Area of Focus	Building a Sustainable City	
Total 2020-2023 Investment Requested	\$17,600	Total 2020-2023 Net Budget Requested
Average Tax Levy Impact %	0.25%	Average Tax Payer Impact (Dollars)
		\$41.82

On October 2, 2018, Municipal Council approved the 60% Waste Diversion Action Plan containing programs and initiatives to be phased in between 2019 and 2022 to achieve 60% waste diversion. City staff were directed to examine financing options for the Action Plan, it being noted that any additional funding required would be considered alongside other funding requests as part of the 2020-2023 Multi-Year Budget process. Implementing the Action Plan is also a "commitment" made as part of the Terms of Reference for the Environmental Assessment for the W12A Landfill expansion. The proposed actions include new or expanded recycling programs, and the organics management program.

Additional Investment #	3	Back to the River
Strategic Area of Focus	Building a Sustainable City	
Total 2020-2023 Investment Requested	\$14,355	Total 2020-2023 Net Budget Requested
Average Tax Levy Impact %	0.07%	Average Tax Payer Impact (Dollars)
		\$0.00

This waterfront revitalization project was designed to create a stronger relationship between Londoners and the Thames River. This initiative represents a long term vision with a number of projects identified along the river within the central London area. Two inaugural projects were selected to launch the initiative – one at the Forks and another in Soho.



Additional Investments – Environmental Focus


Administratively Prioritized (cont'd)

Additional Investment #	2A	Climate Emergency Declaration - Develop Action Plan	
Strategic Area of Focus		Building A Sustainable City	
Total 2020-2023 Investment Requested	\$0	Total 2020-2023 Lev Budget Requested	\$0
Average Tax Levy Impact %	0.02%	Average Tax Payer Impact (Dollars)	\$0.00

The Climate Emergency Action Plan will identify the strategies to be implemented for London to grow and develop in an environmentally sustainable way. The Climate Emergency Action Plan will focus on the environmental and ecological impacts of how we grow and develop, and establish strategies to be implemented by the City and Londoners to reduce our ecological footprint and environmental impact. The first phase of this program is to retain consultant services to help to prepare the strategy, followed by on-going annual funding to implement the strategy. This is a new program arising from London Plan policies and the community need to develop a Climate Emergency Action Plan to ensure that London grows and develops in a sustainable way.

Additional Investment #	15	Subsidized Transit Program	
Strategic Area of Focus		Building A Sustainable City	
Total 2020-2023 Investment Requested	\$3,800	Total 2020-2023 Lev Budget Requested	\$384
Average Tax Levy Impact %	0.01%	Average Tax Payer Impact (Dollars)	\$1.15

The City of London currently provides five subsidized transit programs in an effort to support Londoners to access affordable transit where they live, work, and go to school. The purpose of this business case is to develop one sustainable and integrated model to support affordable transit so that Londoners can move around the city safely and easily in a manner that meets their needs, that is simple and easy to access, and that reduces the administrative burden for both City and LTC staff.




Additional Investments – Environmental Focus


For Council's Consideration

Additional Investment #	6B	Climate Emergency Declaration - Implementation	
Strategic Area of Focus		Building A Sustainable City	
Total 2020-2023 Investment Requested	\$1,205	Total 2020-2023 Lev Budget Requested	\$1,044
Average Tax Levy Impact %	0.01%	Average Tax Payer Impact (Dollars)	\$1.32

Upon completion of the Climate Emergency Action Plan, funding will be required for the introduction and implementation of various climate sustainability initiatives. Examples could include implementation of a transportation association, establishment and expansion of a bike share program and community focused energy conservation, energy efficiency, and renewable energy programs and projects. There is no current budget to support the implementation of the Climate Emergency Action Plan.



Water and Wastewater & Treatment Overview



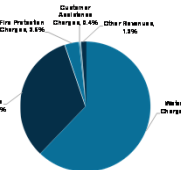
Water Budget - Overview

2020-2023 Multi-Year Budget (\$000's)

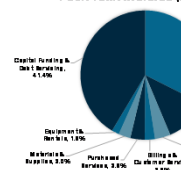
Water	2019 Approved Budget	2020 Budget	2021 Budget	2022 Budget	2023 Budget	2020 - 2023 Average Annual % Increase/Decrease
Water Rate Increase	3.0%	2.8%	2.6%	2.6%	2.6%	2.6%
Water Proposed Budget	70,895	84,739	87,489	90,533	93,695	-
Increase Over Prior Year Budget (\$)	2,766	4,843	2,750	3,041	3,166	---
Increase Over Prior Year Budget (%)	2.9%	6.9%	3.2%	3.6%	3.6%	4.1%

Subject to rounding.

**REVENUE BUDGET - WATER
FOUR YEAR AVERAGE (2020-2023)**



**EXPENDITURE BUDGET - WATER
FOUR YEAR AVERAGE (2020-2023)**



Water Capital Budget Summary

Water Capital Budget (\$ millions)	2020-2023 Multi-Year Budget	2020-2029 Capital Plan
Lifecycle Renewal	\$163 (81%)	\$378 (79%)
Growth	\$35 (18%)	\$96 (20%)
Service Improvement	\$2 (1%)	\$5 (1%)
Total	\$201	\$479

Wastewater Budget - Overview

2020-2023 Multi-Year Budget (\$000's)

Wastewater & Treatment	2019 Approved Budget	2020 Budget	2021 Budget	2022 Budget	2023 Budget	2020 - 2023 Average Annual % Increase/ Decrease
Wastewater & Treatment Rate Increase	3.0%	2.8%	2.8%	2.8%	2.8%	2.8%
Wastewater & Treatment Proposed Budget	101,182	103,712	107,003	110,747	114,553	-
Increase Over Prior Year Budget (\$)	-	2,768	6,530	3,371	3,664	3,906
Increase Over Prior Year Budget (%)	-	2.9%	6.6%	3.3%	3.4%	3.4%

Subject to rounding.


**REVENUE BUDGET - WASTEWATER
FOUR YEAR AVERAGE (2020-2023)**

**EXPENDITURES BUDGET - WASTEWATER
FOUR YEAR AVERAGE (2020-2023)**

Wastewater Capital Budget Summary


Wastewater & Treatment Capital Budget (\$ millions)	2020-2023 Multi-Year Budget	2020-2029 Capital Plan
Lifecycle Renewal	\$158 (43%)	\$491 (52%)
Growth	\$141 (39%)	\$302 (32%)
Service Improvement	\$66 (18%)	\$144 (15%)
Total	\$365	\$936

Key Dates & Upcoming Public Engagement




Key Dates in the Budget Process

What / Where	Date
Tabling of the 2020-2023 Multi-Year Budget	December 17 SPPC at 4:00pm
Report on Potential Net Levy Reductions including Business Cases	January 7 SPPC at 4:00pm
Report on Pre-Tabling Budget Public Engagement Feedback	January 7 SPPC at 4:00pm
Public Participation Meeting	January 23 SPPC at 4:00pm
2020-2023 Multi-Year Budget Review SPPC at 9:30am	January 30 January 31 February 6 February 7 February 13 February 14
Final Approval of the 2020-2023 Multi-Year Budget	March 2 Council at 4:00pm




Public Engagement Activities

Description	Date
Social Media Continuation	Ongoing through February
Business Case Survey on <i>GetInvolved.London.ca</i>	Launching Dec. 18th
Budget Open House Session Goodwill Industries, 255 Horton St. E.	January 11 10:00am – 12:00pm
Community Meeting with London Environmental Network Goodwill Industries, 255 Horton St. E.	January 13 6:00pm – 8:00pm
Budget Open House Session Goodwill Industries, 255 Horton St. E.	January 15 6:00pm – 8:00pm
Community Meeting with the Urban League Location TBD	January 16 5:30pm – 7:30pm
Public Participation Meeting	January 23 SPPC at 4:00pm
Ward Meetings	As Requested



Budget Website Overview




2020-2023 MULTI-YEAR BUDGET City of London

-  LondonCanada
-  #Cityoflondonont
-  @CityofLdnOnt #LdnBudget
-  budget@london.ca
-  getinvolved.london.ca

Advisory Committee on the Environment

Report

The 1st Meeting of the Advisory Committee on the Environment
December 4, 2019
Committee Room #4

Attendance PRESENT: R. Sirois (Chair), J. Howell, K. May, M. Ross, K. Soliman, D. Szoller, A. Thompson and A. Tipping and J. Bunn (Committee Secretary)

ABSENT: M. Bloxam and M.D. Ross

ALSO PRESENT: S. Armstrong, T. Arnos, C. Parker, J. Stanford and M. Stone

The meeting was called to order at 12:16 PM.

1. Call to Order

1.1 Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

1.2 Election of Chair and Vice Chair for the term ending November 30, 2020

That it BE NOTED that the Advisory Committee on the Environment elected R. Sirois and M. Ross as Chair and Vice Chair, respectively, for the term ending November 30, 2020.

2. Scheduled Items

2.1 Accessibility for Ontarians with Disabilities Act Training

That it BE NOTED that the ~~attached~~ presentation from M. Stone, Accessibility Specialist, with respect to Accessibility for Ontarians with Disabilities Act Training, was received.

2.2 Manager, Sustainability and Resiliency – Introduction

That the introduction of the Manager of Sustainability and Resiliency BE DEFERRED to the January 2020 meeting of the Advisory Committee on the Environment.

3. Consent

3.1 10th Report of the Advisory Committee on the Environment

That it BE NOTED that the 10th Report of the Advisory Committee on the Environment, from its meeting held on November 6, 2019, was received.

3.2 Municipal Council Resolution - 10th Report of the Advisory Committee on the Environment

That it BE NOTED that the Municipal Council resolution from its meeting held on November 26, 2019, with respect to the 10th Report of the Advisory Committee on the Environment, was received.

3.3 Notice of Planning Application - Official Plan Amendment - City-Wide Urban Design Guidelines

That A. Lockwood, Urban Designer, BE ADVISED that the City of London Climate Change Action Plan should be incorporated into this and any future Urban Design Guidelines, specifically, taking advantage of public parking lot space to install solar panel canopies; it being noted that the Notice of Planning Application, dated November 21, 2019, from A. Lockwood, Urban Designer, with respect to an Official Plan Amendment related to the City-Wide Urban Design Guidelines, was received.

3.4 Public Meeting Notice - Zoning By-law Amendment - 21 Norlan Avenue

That it BE NOTED that the Public Meeting Notice, dated November 13, 2019, from C. Parker, Senior Planner, with respect to a Zoning By-law Amendment related to the property located at 21 Norlan Avenue, was received.

3.5 Allowing "Farm Gate Sales" on Lands Within the Urban Growth Boundary

That it BE NOTED that the staff report dated November 18, 2019, as appended to the agenda, with respect to allowing "Farm Gate Sales" on lands within the Urban Growth Boundary, was received.

3.6 Bird-Friendly Development Report and Working Group Representative

That it BE NOTED that the staff report dated November 18, 2019 and the communication from L. Maitland, as appended to the agenda, with respect to Bird Friendly Development and the Bird Friendly Development Working Group, were received.

3.7 Climate Change Emergency - Update

That the staff report dated November 25, 2019, as appended to the agenda, with respect to an update on the Climate Change Emergency, BE REFERRED to the Energy Sub-Committee for a review and a report back to the Advisory Committee on the Environment in January 2020.

3.8 Cycling Advisory Committee Cycling Master Plan Review Working Group Report

That the "8.0 - Recommendations" section of the Cycling Master Plan Review Working Group Report of the Cycling Advisory Committee, as appended to the agenda, BE REFERRED to the Energy Sub-Committee for review and a report back to the Advisory Committee on the Environment in January 2020.

4. Sub-Committees and Working Groups

None.

5. Items for Discussion

5.1 Pollinator Friendly Gardens Flyer

That the expenditure of up to \$300.00 from the 2019 Advisory Committee on the Environment (ACE) budget BE APPROVED to print copies of the Pollinator Friendly Gardens flyer, as appended to the agenda; it being

noted that the ACE has sufficient funds in their 2019 budget to accommodate this expenditure.

5.2 Zero Waste Conference 2019

That the Zero Waste Conference update from R. Sirois BE DEFERRED to the January 2020 meeting of the Advisory Committee on the Environment.

5.3 June Waste Conference

That R. Sirois BE APPROVED to represent the Advisory Committee on the Environment at upcoming meetings of the planning committee for a Zero Waste Festival and Conference in London on June 13, 2020.

5.4 Climate Action Presentation by D. Saxe at Green in the City Event

That the Climate Action Presentation by D. Saxe at the Green in the City Event update BE DEFERRED to the January 2020 meeting of the Advisory Committee on the Environment.

6. Adjournment

The meeting adjourned at 2:09 PM.

Transportation Advisory Committee

Report

The 11th Meeting of the Transportation Advisory Committee
November 26, 2019
Committee Room #4

Attendance PRESENT: D. Foster (Chair), A. Abiola, G. Bikas, D. Doroshenko, B. Gibson, T. Kerr, T. Khan, P. Moore and M. Rice and J. Bunn (Committee Secretary)

ABSENT: M.D. Ross and S. Wraight

ALSO PRESENT: G. Dales, M. Elmadhoon, K. Grabowski, Sgt. S. Harding, T. Hitchon, P. Kavcic, J. Kostyniuk, T. Macbeth, T. MacDaniel, D. MacRae, M. Metcalfe, A. Miller and A. Sones

The meeting was called to order at 12:15 PM.

1. Call to Order

1.1 Disclosures of Pecuniary Interest

G. Bikas discloses a pecuniary interest in Item 3.5 of the 11th Report of the Transportation Advisory Committee, having to do with the Wenige Expressway Bridge and Highbury Avenue Rehabilitations, by indicating that his employer owns property adjacent to the project.

2. Scheduled Items

2.1 Veterans Memorial Parkway Extension – Project Update

That it BE NOTED that the presentation, as appended to the agenda, and a delegation from I. Bartlett, Stantec, with respect to a project update on the Veterans Memorial Parkway Extension, was received.

2.2 Municipal Environmental Assessment Process

That it BE NOTED that the attached presentation from A. Sones, Environmental Services Engineer, with respect to the Municipal Environmental Assessment Process, was received.

2.3 Transportation Demand Management Activities – Introduction and Update

That it BE NOTED that the attached presentation from A. Miller, Co-Ordinator, Transportation Demand Management, with respect to and introduction and update on Transportation Demand Management Activities, was received.

2.4 London's Transportation 2018 Emission Information

That it BE NOTED that the attached presentation, and the communication appended to the agenda, from A. Abiola, with respect to London's Transportation 2018 Emission Information, were received.

3. Consent

3.1 10th Report of the Transportation Advisory Committee

That it BE NOTED that the 10th Report of the Transportation Advisory Committee, from its meeting held on October 22, 2019, was received.

3.2 Municipal Council Resolution - Procurement of an Advanced Traffic Management System and New Traffic Signal Controllers

That it BE NOTED that the Municipal Council resolution, from its meeting held on October 29, 2019, with respect to the procurement of an Advanced Traffic Management System and new traffic signal controllers, was received.

3.3 Public Meeting Notice - Official Plan Amendment - Revised Victoria Park Area Secondary Plan

That it BE NOTED that the Public Meeting Notice, dated November 14, 2019, from M. Knieriem, Planner II, with respect to an Official Plan Amendment related to the Revised Victoria Park Area Secondary Plan, was received.

3.4 Stopping and Parking Restrictions in Bicycle Lanes

That it BE NOTED that the Memo dated November 12, 2019, from Roads and Transportation, Development and Compliance Services, with respect to stopping and parking restrictions in bicycle lanes, was received.

3.5 Wenige Expressway Bridge and Highbury Avenue Rehabilitations

That it BE NOTED that the Memo dated November 6, 2019, from T. Hitchon, Technologist II, with respect to the Wenige Expressway Bridge and Highbury Avenue rehabilitations, was received.

3.6 Transportation Advisory Committee 2019 Work Plan

That it BE NOTED that the 2019 Transportation Advisory Committee Work Plan, as at November 2019, was received.

3.7 (ADDED) Notice of Planning Application - Official Plan Amendment - City-Wide Urban Design Guidelines

That it BE NOTED that the Notice of Planning Application, dated November 21, 2019, from A. Lockwood, Urban Designer, with respect to an Official Plan Amendment related to the City-Wide Urban Design Guidelines, was received.

4. Sub-Committees and Working Groups

4.1 Street Parking Review Working Group Report

That the Civic Administration BE REQUESTED to review the attached Street Parking Review Working Group Report, from its meeting held on November 6, 2019, and provide the requested statistics to the above-noted Working Group.

5. Items for Discussion

None.

6. Adjournment

The meeting adjourned at 2:15 PM.

Environmental and Ecological Planning Advisory Committee

Report

The 12th Meeting of the Environmental and Ecological Planning Advisory Committee
November 21, 2019
Committee Rooms #1 and #2

Attendance PRESENT: S. Levin (Chair), L. Banks, A. Bilson Darko, C. Dyck, P. Ferguson, L. Grieves, S. Hall, S. Heuchan, B. Krichker, K. Moser, B. Samuels, R. Trudeau and I. Whiteside and H. Lysynski (Clerk)

ALSO PRESENT: G. Barrett, C. Creighton, M. Fabro, S. Hudson, J. MacKay and L. McDougall

ABSENT: I. Arturo, A. Boyer, A. Cleaver, R. Doyle, S. Esan, J. Khan, I. Mohamed, S. Sivakumar and M. Wallace

The meeting was called to order at 5:03 PM

1. Call to Order

1.1 Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

2. Scheduled Items

2.1 Gregg Barrett, Manager, Long Range Planning and Sustainability re City Owned and Privately Owned Environmentally Significant Areas

That it BE NOTED that the Environmental and Ecological Planning Advisory Committee heard the attached presentation from G. Barrett, Manager, Long Range Planning and Sustainability, with respect to the differences between city-owned and privately owned Environmentally Significant Areas.

3. Consent

3.1 11th Report of the Environmental and Ecological Advisory Committee

That it BE NOTED that the 11th Report of the Environmental and Ecological Planning Advisory Committee, from its meeting held on October 17, 2019, was received.

3.2 Municipal Council Resolution - 10th Report of the Environmental and Ecological Planning Advisory Committee

That it BE NOTED that the Environmental and Ecological Planning Advisory Committee reviewed and received a Municipal Council resolution adopted at its meeting held on October 15, 2019, with respect to the 10th Report of the Environmental and Ecological Planning Advisory Committee.

3.3 Municipal Council Resolution - 8th Report of the Animal Welfare Advisory Committee

That it BE NOTED that the Environmental and Ecological Planning Advisory Committee reviewed and received a Municipal Council resolution adopted at its meeting held on October 15, 2019, with respect to the 8th Report of the Animal Welfare Advisory Committee, from its meeting held on September 5, 2019.

3.4 Municipal Council Resolution - 11th Report of the Environmental and Ecological Planning Advisory Committee

That it BE NOTED that the Environmental and Ecological Planning Advisory Committee reviewed and received a Municipal Council resolution adopted at its meeting held on November 12, 2019, with respect to the 11th Report of the Environmental and Ecological Planning Advisory Committee, from its meeting held on October 17, 2019.

3.5 Municipal Council Resolution - Environmental Considerations Relating to Studies and Reports

That a Working Group BE ESTABLISHED consisting of S. Levin and S. Hall with respect to environmental considerations relating to studies and reports; it being noted that the Environmental and Ecological Planning Advisory Committee reviewed and received a Municipal Council resolution adopted at its meeting held on November 12, 2019, with respect to these matters.

3.6 White Oak Dingman Secondary Plan - Response to EEPAC's Comments

That it BE NOTED that the Environmental and Ecological Planning Advisory Committee reviewed and received the Civic Administration's comments relating to the Environmental and Ecological Planning Advisory Committee's comments on the White Oak Dingman Secondary Plan.

4. Sub-Committees and Working Groups

4.1 Byron Gravel Pit Subject Land Status Report

That, the following actions be taken with respect to the Byron Gravel Pit Subject Land Status Report:

a) the Working Group comments relating to the Byron Gravel Pit Subject Land Status Report BE FORWARDED to the Civic Administration for consideration; and,

b) the Civic Administration BE REQUESTED to consider opportunities for retention of part or all unique landscapes, in particular, bank swallow habitat during the development of the Secondary Plan.

4.2 Environmental Management Guidelines

That the Working Group comments with respect to the Environmental Management Guidelines BE FORWARDED to the Civic Administration for consideration.

5. Items for Discussion

5.1 (ADDED) Bird Friendly Development Working Group

That B. Samuels and L. Grieves BE APPOINTED to the Bird Friendly Guidelines Working Group as the representative and alternate, respectively.

5.2 (ADDED) Subject Lands Status Report for Kilally South, East Basin Stormwater Servicing

That a Working Group BE ESTABLISHED consisting of I. Whiteside (lead), C. Dyck, P. Ferguson and B. Krichker, with respect to the Subject Lands Status Report for the Kilally South, East Basin Stormwater Servicing and to report back at the January 16, 2020 Environmental and Ecological Planning Advisory Committee meeting.

5.3 (ADDED) Wetland Conservation Strategy

That it BE NOTED that "A Wetland Conservation Strategy for London: A Discussion Paper on Best Practices" has been forwarded to the Civic Administration for their consideration.

6. Adjournment

The meeting adjourned at 6:21 PM.

Trees and Forests Advisory Committee

Report

The 11th Meeting of the Trees and Forests Advisory Committee
November 27, 2019
Committee Room #4

Attendance PRESENT: R. Mannella (Chair), M. Demand, A. Hames, J. Kogelheide, A. Morrison, A. Valastro; and D. Turner (Committee Clerk)

REGRETS: A. Cantell and A. Thompson

ALSO PRESENT: A. Beaton, J. Parsons and R. Walker

1. Call to Order

1.1 Disclosures of Pecuniary Interest

That it BE NOTED that pecuniary interests were disclosed.

2. Scheduled Items

None.

3. Consent

3.1 9th and 10th Reports of the Trees and Forests Advisory Committee

That it BE NOTED that the 9th and 10th reports of the Trees and Forests Advisory Committee, from its meetings held on September 25 and October 23, respectively, were received.

3.2 Municipal Council Resolution - 9th Report of the Trees and Forests Advisory Committee

That it BE NOTED that the Municipal Council resolution, from its meeting held on October 15, 2019, with respect to the 9th Report of the Trees and Forests Advisory Committee, was received.

3.3 Public Meeting Notice - City Wide Amendment - Urban Design Peer Review Panel Terms of Reference Update

That it BE NOTED that the Public Meeting Notice, dated November 13, 2019, from J. Smolarek, Urban Designer, Development Services, with respect to a City Wide Amendment to the Urban Design Peer Review Panel Terms of Reference, was received.

4. Sub-Committees and Working Groups

4.1 Education Sub-Committee Update

That it BE NOTED that the committee held a general discussion with respect to the Education Initiatives Sub-Committee update; it being further noted that the ~~attached~~ sub-committee meeting minutes were received.

5. Items for Discussion

5.1 Social Housing and Tree Planting Opportunities in London

That a member of the London Housing Advisory Committee BE INVITED to attend a future meeting of the Trees and Forests Advisory Committee to discuss social housing tree planting initiatives in greater detail.

5.2 Urban Forest Strategy - Topics of Interest

That it BE NOTED that the committee held a general discussion with respect to interesting topics enshrined in the Urban Forest Strategy which the committee may seek to research further, including urban design policy as it relates to green space requirements in new developments.

5.3 Trees in Parking Lots

That it BE NOTED that the committee held a general discussion with respect to tree planting and green space requirements in parking lots, noting that the Bostwick Community Centre parking lot was highlighted as a model for similar developments.

5.4 City of London Tree Planting Specifications

That the Civic Administration BE REQUESTED to investigate any discrepancies between tree planting specifications as they appear in the City of London's *Design Specifications and Requirements Manual* versus the International Society of Arboriculture's *Arborists' Certification Study Guide*.

5.5 2018 and 2019 TFAC Work Plans

That a sub-committee BE CREATED to begin drafting a 2020 work plan; it being noted that the committee's 2019 draft work plan will be used as a template.

6. Adjournment

The meeting adjourned at 1:43 PM.

Advisory Committee on the Environment (ACE) Energy Sub-Committee

On December 4th, 2019, ACE referred the Cycling Advisory Committee (CAC) Cycling Master Plan Review Working Group Report to the Energy Sub-Committee for review, specifically section 8.0 Recommendations with relevance to the City of London's Climate Emergency plan.

Using a simple modeling exercise, the report concludes the Transportation Master Plan (TMP) also examined will not reduce greenhouse gas emissions (GGE) to 2030 target levels and requires the TMP mode split targets to be adjusted to achieve these goals. The Cycling Master Plan (CMP) acknowledges that each litre of gasoline burned emits about 2.3 kg of carbon dioxide which contributes to climate disruption but does not make further reference to targets.

CAC recommendations include:

- That the City evaluate GGE implications of the London Transit Master Plan, London Official Plan, London Parking Strategy, London Accessibility Strategy, and the Cycling Master Plan (CMP) to align with the City's Declaration of Climate Emergency.
- That a revised CMP plan focus on building All-Ages-and-Abilities infrastructure to achieve climate-informed modal split targets and a city-wide bike grid by summer 2021.
- That the City enacts a moratorium on all currently planned and future road widenings. Presently budgeted funds for road widening (\$75M/year) should be reallocated to transit and cycling for maximum mitigation of climate disruption and create an active transportation strategy (walking, accessibility, and micro mobility) at \$50/person/year, or ~\$20M/year, comparable to the scale of investments in major cycling cities and to
- Decrease speed limits on all residential streets to 30 km/h (reduce GGE, increase safety).

Key Findings:

- Implementing the City's TMP will result in London exceeding its 2030 GGE budget by a minimum of 45%. Scenario A presents a minimum population growth of 73,800 people by 2030. Scenario B envisions growth of 140,000 people, a 39% increase from 2007.
- The City's GGE budget can only be met by mode shift from automobile to zero-carbon transportation (ie electric transit, cycling, and walking), not by electric vehicles alone..
- Metrics to assess the current CMP are not comparable with other Canadian cities and leading global cycling jurisdictions. The CAC sees critical gaps in understanding of both current and potential cycling rates, demographics, and behaviour in London.
- It is likely that in examining other climate-relevant City policies, related to transportation and land use, through a climate lens this could yield similar need for urgent action.
- Transportation is by far the sector with the largest GGE in London. Our 2017 transport emissions are 1390 kt CO₂e (of which ~70% of emissions are from personal vehicles), representing 49% of total emissions today, and has been relatively unchanged since 2007.

CAC Conclusion:

At its core, the goals in the TMP are insufficient to reach our international obligations to decrease our carbon emissions, and inadequate to cope with London’s Climate Emergency plan.

The CAC CMP Review Working Group suggests that mode shift target levels and greater investment in active transportation, are the most impactful ways to achieve 2030 GGE goals.

Table 4-1: City of London Transportation Master Plan current mode share and 2030 targets

Mode	2009 Mode Share	2030 Target	NEEDED CAC Climate-Informed Targets by 2030:
Automobile	76%	60%	25%
Transit	11%	20%	35%
Active Transportation –	9%	15%	35%
Cycling –	1%	5%	10%
Walking –	8%	10%	25%
Other	5%	5%	5%
	100% Electrification of London Transit Vehicles		
	25% Electrification of Private Cars and City Vehicles		

ACE comments

The CAC demonstrates by using a modeled carbon emissions evaluation in their report, existing TMP mode split targets are not enough to reach London’s emission targets,. Thus they offer a likely mode-split solution above in bold for London to reach its GGE goals.

London’s Community Energy Action Plan has the following goals for reducing London’s GGEs on the City website -

15% reduction from 1990 levels by 2020
37% reduction from 1990 levels by 2030, and
80% reduction from 1990 levels by 2050, proposed by Council to now become net zero by 2050

In 2018, total GGEs were over 3.1 million tonnes, 9 % lower than 1990 levels. In 2017, London’s total GGEs were 17% below 1990 levels. Weather has an impact on energy use and, in 2018, London had a colder winter and hotter summer compared to 2017. Using a three-year rolling average evens out the impact of weather. The three-year rolling average for the 2016-2018 period was 13% below 1990 levels, thus, the importance of stable data in evaluating 2020.

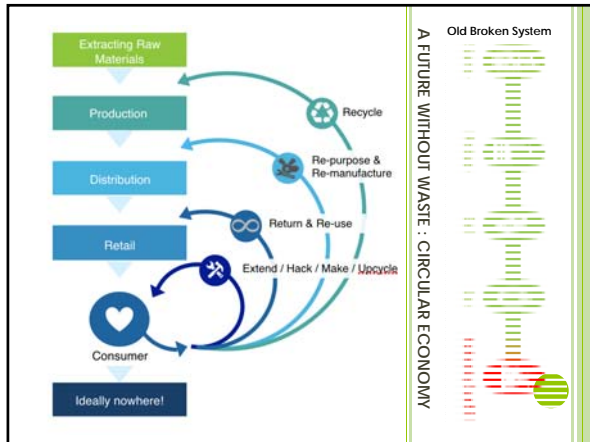
We agree with the recent City’s Climate Change Emergency plan to assess each service area to determine a clear strategy and special actions. 37% of London’s energy use is transportation. The City has quantifiable formulas to translate energy use into GGEs. Thus, the significance of the transportation sector to establish appropriate infrastructure investment to reach London’s targets including limits to parking expansion, sprawl and addressing zoning restrictions. CAC indicates London has a \$75 million budget for road widenings, and to complete a minimum bike grid across the city needs about 150 km of protected bike lanes which CAC calculates to cost \$150M. This definitely deserves attention given its affordability and the results possibly being game changing. We ask that active transportation be given special attention to gain solutions.

HIGHLIGHTS OF ZWC 2019



9th Annual Zero Waste Conference
Vancouver BC
October 30-31, 2019

METRO VANCOUVER



Looking at the World of Waste Differently

Unbuilders Demolition workers clear debris a house in North Vancouver. JAZZ FOR PATRY / FRB

UNBUILDERS	PLANET
	Divert 50 T per house
	Salvage 10 T of lumber
PEOPLE	
	Create jobs: 6 to 1 (typical demolition)
	Build affordable housing
PROFIT	
	Lower cost to owner
	\$3.4 B added to economy

LOOKING AT THE WORLD OF WASTE DIFFERENTLY

WISDOM FROM THE PAST
1st Edition: 1986 and 2nd Edition: 2018
by 3M USA

ASSET

With 100 years of experience, we know how to make the most of our products. We've learned that the most valuable asset is the one that's never used up. That's why we've designed our packaging to be reusable for as long as possible.

metrowarecover

LOOKING AT THE WORLD OF WASTE DIFFERENTLY

TERRACYCLE

COST OF LOGISTICS + COST OF PROCESSING < MATERIAL VALUE = RECYCLABLE

BUTT BIN

RECYCLE YOUR WASTE

metrowarecover

CREATING CIRCULAR SOLUTIONS FOR HUNDREDS OF WASTE STREAMS

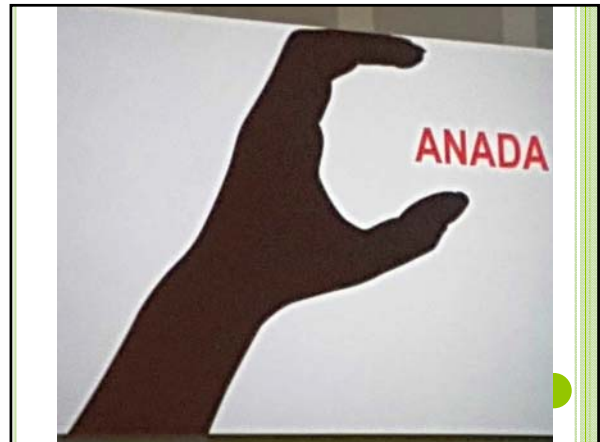
Pampers

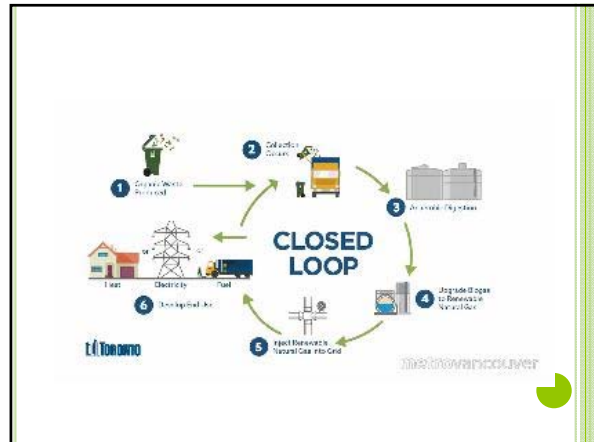
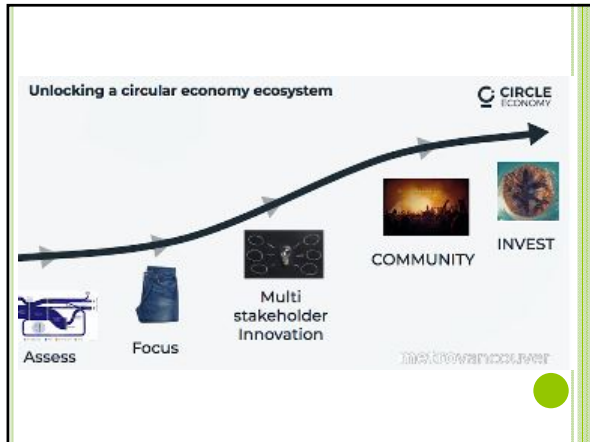
Diaper recycling in Amsterdam

metrowarecover

metrowarecover

metrowarecover





RECOMMENDATIONS	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Food Waste Reduction Strategy										
Textile Collection & Reuse Strategy										
Sharing Library										
Support Reuse Events										
Explore Opportunities for Waste Exchange										
Mobile Drop-Off Depots										
Neighbourhood Drop-Off Depots										
Mandatory Multi-Residential By-Law										
Updates to Current Multi-Residential Development Standards										
Support for Community Composting										
Data Management & Accessibility										
Expand Yellow Tag Program to More Businesses										
City Explores Mandatory Approaches to I&I Waste Diversion										
Depots and Policies for Home Renovation Waste										
Disposal Bans for Some CRD Materials										
Mixed Waste Processing Facility w/ Organics Recovery										
Utilizing Disposal Capacity at Other Approved Disposal Sites										
City Explores Control Mechanisms - Bans, By-Laws, & Acts										
Unit for Research, Innovation & a Circular Economy										

5-year Review of Waste Strategy

CANADIAN INNOVATION SHOWCASE

"We don't need a handful of people practising zero waste perfectly: we need millions of people practising zero waste imperfectly"



REFERENCES AND LINKS

- [Circular Tayside](#)
- [Circle-economy](#)
- [Circle-Lab](#)
- [Create Memories Not Garbage](#)
- [Grow Green Guide](#)
- [Love Food Hate Waste](#)
- [Metro2040 Dashboard](#)
- [Metro Vancouver Recycles](#)
- [National Zero Waste Council](#)
- [Performance Monitoring Dashboard](#)
- [Rate Our Home](#)
- [Think Thrive About Your Clothes](#)
- [We Love Water](#)
- [Zero Waste Conference](#)

CONFERENCE TAKE-AWAYS

- THINK BIG – BE BOLD – BE COURAGEOUS
- CHALLENGE THE STATUS QUO
- KEEP PEOPLE AND EQUITY AT THE CENTRE OF DECISIONS
- WE MUST MEASURE WHAT WE VALUE AND WHAT WE WANT TO CHANGE (BENCHMARKING)
- LONDON CAN LEAD: CHOOSE A GOAL WITH EARLY, CLEAR WINS AND TELL THE STORY
- BUILD ON THAT SUCCESS AND MOBILIZE CHANGE
- LONDON CAN USE ITS POWER AS CONVENER TO BRING ALL PARTIES TO THE TABLE

THANK YOU!



CONFERENCE LINK:
<http://www.zwc.ca/sessions/Pages/default.aspx>

London's Climate Emergency - Be Part of the Solution - Green in the City

Dr. Dianne Saxe Keynote Presentation - "Climate Changes Everything"

November 19, 2019

KNOWLEDGE (*hold on, it's grim!*) Dr. Saxe presented on why climate changes everything drawing from the latest reports of the International Panel on Climate Change (IPCC) among other sources. Our country is among the top ten polluters in the world. The country has the highest rate of climate pollution, among highest levels of climate pollution and it is heating up faster than the global average. The heat buildup has occurred in the last three generationsher lifetime. 1% of the heat is in the air, 3% is trapped in solid vegetation, 3% with warmed up ice. The bulk is in the water! Warmed up water takes more space, (sea levels rise) and has less oxygen (greater acidity). The oceans have become the storm engines. The warmer the water, the more powerful and explosive the storms.

"When people get bad news, people want to hang on and wait for normal to come back". The reality is that is not going to happen. Our infrastructure, insurance, laws are designed for a 20th century that no longer exists and to which we can never return. Dr. Saxe debunked the thinking that we're living in the new normal. As she put it, the new normal is when you gain 10 lbs and buy a new pair of pants.

But that doesn't make sense if you're getting fatter every month. That's what we're doing, emitting more climate pollution every month, and at faster rates. 350 ppm: was our best estimate of how high carbon dioxide can be and still enable a world that has low-island states, predictable weather, coral reefs and mountain glaciers. The planet hit 415.70 ppm in May 2019. We are in completely uncharted territory. <https://350.org/science/>

Ontario is in a blessed position – not near any oceans, fairly removed from the equator. The province is however on track to be warmer than most other places in a range of > 2.5-3.7c by 2050. While it's a global problem, the impacts differ regionally and often are felt more acutely. Winter is wetter; cities are warmer (Toronto 3c +). Then there are climate extremes. Just going back to the 1960s, climate extremes are 4 xs worse in North America.

It's not if, it's when: drought, floods, fire, storms. It is showing up in insured losses. Just in Ontario, insured losses were up \$1.4B in 2018. The insurance companies issued a report in March where they said that for every billion they are spending for losses due to catastrophic weather; their best guess is that the public sector (all levels of govt) is losing \$3B in damaged assets. The biggest short-term Canadian risk is catastrophic damage to physical infrastructure in the next 20 years i.e., damage that will cost billions of dollars.

The emergency is coming into focus. The Intergovernmental Panel on climate change (IPCC) was established after the signing of the Paris Accord to provide reliable, scientific, factual data. They issued their 5th assessment report in 2014 and more recently a series of special reports. Staying under 2c may not be okay. (We're almost at 1.5c) One of their recent reports says that the difference between 1.5 v 2c is **major**. A world that is 2c warmer will be much worse off: Heavy precipitation, extreme heat, droughts, sea levels and most importantly, the ability of human and natural systems to adapt will be near collapse.

IPCC Scnd report August 2019 on land and food: The climate crisis is already affecting food quality and security. It was a similar assessment on the oceans and cryosphere (everything frozen). The oceans are in crisis and everything frozen is melting faster, and faster and faster. The coast of Alaska was ice-free in summer 2019; last year one-third of the Bering Sea melted in the dark in five days (before the sun started to come out)....

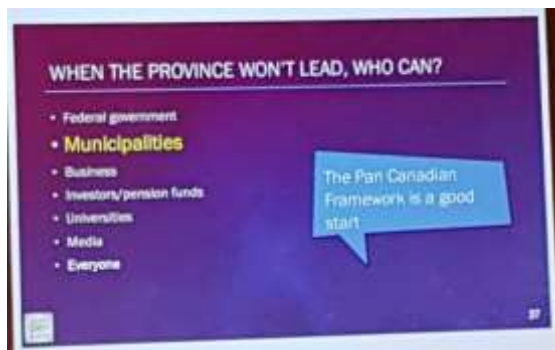
Another set of science coming out on biodiversity shows 1 M species are at risk. The World Health Organization considers climate change as one of the biggest global health threats of this century. The health damage is going to be twice as much as the cost of climate change.

Life-changing infections are on the move. Lyme disease incidence is soaring as ticks can overwinter. In Dr. Saxe's opinion, we have already wasted so much time – The science tells us that without massive, immediate reversal; i.e., getting off fossil fuels, it really means the bringing human and natural systems to the brink of extinction.

If we want a 2c world, which is much less stable and safe than today, with major economic damage but survivable for most, then we can only emit 75% of 2010 GhGs by 2030. We must cut emissions annually by 5% NOW. And Canada is among the luckiest places in the world.

Is it too late for today's young people to have the environment we have enjoyed? Yes, it is too late. YET there is time to forestall more damage.

ACTION



Set Paris Agreement consistent targets: for a 2c (warmer) world or a 1.5c (warmer) world. Set an emissions budget that is linked to capital planning, fleet operations, building renovations, flights, waste management, and investments. You must measure and be accountable. If building a new road, something else has to be given up.

- Study what other leading communities are doing. Carbon-free Boston: become carbon neutral by 2050. In 30 years, the community can only release as much carbon pollution as the environment can safely absorb. <https://www.boston.gov/departments/environment/carbon-free-boston>

Transportation (examples)

- electric buses
- Set examples and send messages through action: City officials on bikes, e-bikes, small EVs
- Visible EV charging at all municipal sites
- Priority bike parking

- Approach Libro for loans to buy e-bikes

Buildings (examples)

- Building energy benchmarking and disclosure (live reports on energy use in foyer of muni bldgs.)
- Establish green building standards
- Cool/Green roofs
- Sensor activated LEDs (sensors are cheap!) Send messages constantly and consistently
- Renewable energy/storage systems
- Implement top climate change makers from Drawdown.org
- Solar on waste facilities (Raymond AB)
- Fayetteville Alabama - solar panel supplier built a solar generation system and the city signed a multi-year contract to buy that power.

Operations (examples)

- Serve no meat
- Use no disposables
- Temperature regulation (dress codes, persona space fans and heaters)
- Ban organic waste
 - o Co-digest with sewage sludge, use the methane for transport (intermediate step to electric buses or for city fleet (City of Stratford is going this way!) Toronto organic waste-fuelled garbage trucks
- Transparency on flights- How many? How far? Purchase of carbon offsets?
- Who is accountable? Are you prepared to accept responsibility for emission budgets?

Nobody can do it all, but we all can do something. Municipalities can lead in areas they control.

- Direct footprint
- Infrastructure
- Bylaws (ban idling, ban drive-throughs, launch a no idling campaign)
- Tax structure
- Procurement
- Investments
- Site Use

Lead through collaboration

- Partnerships with business / NGOs / UWO and Fanshawe
- Act as host or enabler of: tool library, clothing swaps, waste exchange, EV charging, community solar, B2B dating service... helping to match small businesses with markets and suppliers who want to make a change for the better
- joint purchasing with other municipalities to have the buying power to make bigger investments in solar or other green investments

Have a climate lens for every discussion

- Will this reduce our total GhGs per service-based target?
- Will this make the transition to a low carbon economy easier?

Transportation is the #1 GHG emitter in Ontario. Ontarians drive more than ever, in the most polluting cars. In fact Canada has beat out all other countries...

Exhaust from tail pipe emissions has enormous public health harm. We drive so much b/c of land use decisions. 3 out of 4 Ontarians live in areas that require them to drive to work, shop, recreate.... Need to stop urban sprawl.

We need to grow in, not out and make zero carbon mobility fast and safe. Seville Spain turned 5,000 parking spots into 170 km of raised bike lanes, built at the same level as the sidewalks. It started with a poll “would you like to ride safely around Seville” majority said yes. It was followed by lots of public input (on the how) and the first 80 km were done in 18months. This was all done before the next civic election, such that everyone had a chance to get used to it. The investment had a BIG payoff: the 32M euros cost serves 70,000 bike trips/day - - the same cost as a 6km highway. Subway cost 800M euros to serve 44,000 trips / day.

Urban-rural opportunities

- Measure and value ecosystem services, e.g. Protection of woodlots and wetlands by farms and other landowners – given them compensation, or at least recognition
- Perhaps offsets can be created from the above example. With the carbon tax having survived the federal election, there will be a growing market for offsets from the industrial sector.
- Consider food waste to animal feed; compost to soil amendments
- Bike tourism

Having a future will cost money; no one will do it for us. Since we've put money first for so long it's time to change the yardstick used to measure progress and development.

Some options: generate local revenue through road pricing, parking

Polluter pays re. Land use costs, e.g., storm water

Reallocate existing assets / revenue

Collaborate with major local players

Community ownership (create opportunities for local people to invest in green economy initiatives, e.g.

Approach libro)

Seville arranged for affordable bike rentals by approaching a marketing company who put up billboards in area of the bike rentals in exchange for subsidizing first half-hour free on bikes.

KNOWLEDGE + ACTION = HOPE

Brief update on City action by Jan Stanford

Panel discussion:

Amber Cantell - Director of Programs, ReForest London

John Fleming - Managing Director, Planning and City Planner, City of London

Genevieve Langille - Grade 12 Student and the London Climate Strike Organizer

All panelists endorsed Dr. Saxe's message that climate change is THE single most critical issue for life on the planet. London won't face the kind of flooding coastal cities will, or the wildfires already impacting the west coast and the boreal forest to the north. Drinking water supplies may not be in immediate danger; but at the end of the day - if food, water, and resource systems are collapsing in other communities around the globe, it is reason enough to take action. The knock-on effects to water supply, air quality, food security, demand for housing, and the dramatic increase in the need for humanitarian aid will all be devastating. Climate change will impact everything, and we need to start considering that impacts elsewhere can be every bit as important as impacts here.

ADVISORY COMMITTEE ON THE ENVIRONMENT - 2019 WORK PLAN

(updated September 23, 2019)

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><u>Waste</u></p> <p>Managing organic waste</p> <p>1. Review & prioritize leading edge waste management systems that focus on waste as a resource technology (biogas, anaerobic digester, landfill gas recovery – e.g. Edmonton Waste Management Centre of Excellence)</p> <p>2. Follow the progress of City regarding development of a Resource Recovery Centre for London (invite staff members speak to ACE)</p> <p>3. Continue research into organic waste diversion. Examine other cities’ highly successful green bin programs (i.e. Toronto, Halton, Markham)</p> <p>Resource Recovery</p> <p>4. Monitor & review on-going resource recovery initiatives.</p> <p>Landfill Expansion</p> <p>5. Monitor & review on-going landfill expansion, including plan to get to 60% diversion.</p>	<p>Waste sub-committee</p>	<p>On-going</p>	<p>\$0</p>		<p>Building a Sustainable City 1-Robust Infrastructure D-Increase efforts resource recovery/ long-term disposal capacity/ reducing community impacts (p. 11 #1D)</p> <p>Building a Sustainable City 3-Strong and Healthy Environment D-Support resident/community driven initiatives... (p.12 #3D)</p> <p>Growing Our Economy 3-Local, Regional and Global Innovation B-Lead development of new ways to resource/energy recovery... (p. 17B)</p> <p>Leading in Public Service 3-Proactive Financial Management A – Well planned finances/limit burden on current and future rate payers. (p.21 #3A)</p>	<p>Received an excellent presentation and participated in an interactive discussion from Barry Orr, Sewer Outreach and Control Inspector – March 7, 2018</p> <p>Subsequent motion regarding the “Toilets Are Not Garbage Cans” stickers made at June 6, 2018 meeting.</p> <p>Received a presentation from Claudia Marsales, Senior Manager, Waste Management Services, City of Markham regarding Waste Management Options on June 6, 2018.</p> <p>Sub-committee members have attended the City Waste Management Work Group meetings on Landfill expansion discussions.</p> <p>The committee submitted a report to the Civic Works Committee regarding residential waste management issues July 4, 2018.</p> <p>Be mindful of the City’s declaration of a climate emergency in all approaches to waste reduction and diversion.</p>

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><u>Sustainability Commitment</u></p> <p>6. Request updates from Greg Barrett regarding Resiliency Strategic Plan status.</p> <p>7. Support further actions in regards to sustainability & resiliency.</p>	Sustainability & Resiliency sub-committee	Remainder of 2019	\$0		Building a Sustainable City 3-Strong and Healthy Environment	
<p><u>Community Education</u></p> <p>8.Support community events directly and indirectly, as possible to increase awareness of environmental issues.</p> <ul style="list-style-type: none"> Partner with London Public Library & London Environmental Network to organize a second series of “Green in the City” talks 	ACE	November 2019	\$500		Strengthening Our Community Building a Sustainable City Growing Our Economy Leading in Public Service	
<p><u>Renewable Energy</u></p> <p>9. Explore possibilities for hydro-electric along Thames River</p> <p>10. Explore solar energy on municipally-owned buildings</p> <p>11. Ensure that co-generation/local electricity generation initiatives do not negatively impact the City of London carbon-dioxide emissions targets and carbon footprint or compromise local air quality</p>	Energy sub-committee	Remainder of 2019	\$0		Building a Sustainable City -Robust Infrastructure... Page 11, item 1B -Strong & healthy environment...Page 12, item 3A thru F, 5B	
<p><u>Community Energy Action Plan</u></p> <p>12. Provide input on 2019 review.</p>	Energy Sub-Committee	Fall 2019	\$0		Building a Sustainable City -Robust Infrastructure... Page 11, item 1B -Strong & healthy environment...Page 12, item 3A thru F, 5B	

Project / Initiative & Background	Lead/ Responsible	Proposed Timeline	Proposed Budget	Actual Expenditure	Link to Strategic Plan	Status
<p><u>Built Environment</u></p> <p>13. Develop a draft green roof by-law</p>	Energy sub-committee		\$0		Building a Sustainable City -Robust Infrastructure... Page 11, item 1B -Strong & healthy environment...Page 12, item 3A thru F, 5B	<ul style="list-style-type: none"> Find out if City staff are already working on this by-law
<p><u>City Budget</u></p> <p>14. Review and provide feedback on budget.</p>	ACE	November/December 2019	\$0		Leading in Public Service	<ul style="list-style-type: none"> Budget consultations take place in December
<p><u>Committee Member Education & Development</u></p> <p>22. Assist ACE members with registration fees for conferences pertaining to ACE mandate</p>		October to December 2019	Maximum of \$1000		ALL	<ul style="list-style-type: none"> Members who attend conferences with financial help from ACE will provide a written report about their findings to go on the next ACE agenda, and give a verbal report at the meeting.