

**REPORT NO. 194 of the
ENVIRONMENT, TRANSPORTATION & PUBLIC SAFETY
STANDING COMMITTEE**
of its meeting held April 23, 2014

Present:
Councillor J. Gignac
Councillor A. Halberstadt
Councillor R. Jones
Councillor H. Payne
Councillor F. Valentinis, Chair

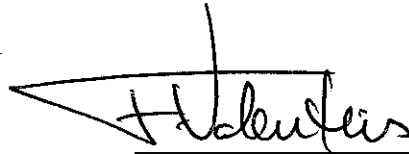
That the following recommendations of the Environment, Transportation and Public Safety Standing Committee **BE APPROVED:**

Moved by Councillor Gignac, seconded by Councillor Jones,
THAT the recommendations proposed to improve future Report on the State of our Environment indicators **BE CONSIDERED** during future operating and capital budget processes.

Carried.

Livelinek #17007, SW/8523

Clerk's Note: The report authored by the Environment and Sustainability Coordinator dated February 5, 2014 entitled "*Follow-up to the 2013 Report on the State of our Environment*" is **attached** as background information.



CHAIRPERSON



SUPERVISOR OF COUNCIL SERVICES

NOTIFICATION:				
Name	Address	Email Address	Phone	FAX

THE CORPORATION OF THE CITY OF WINDSOR
Environment, Transportation & Public Safety Standing Committee -
Admin Report - Environment Transportation



MISSION STATEMENT:

"Our City is built on relationships – between citizens and their government, businesses and public institutions, city and region – all interconnected, mutually supportive, and focused on the brightest future we can create together."

LiveLink REPORT #: 17007 SW/8523	Report Date: February 5th 2014 (#3766 / jc-03/03/14:eb)
Author's Name: Averil Parent	Date to Standing Committee: April 23, 2014
Author's Phone: 519 253-7111 ext. 3290	Classification #:
Author's E-mail: aparent@city.windsor.on.ca	

To: Environment, Transportation & Public Safety Standing Committee

Subject: Follow-up to the 2013 Report on the State of our Environment

1. RECOMMENDATION: City Wide: Ward(s): _____

That the recommendations proposed to improve future Report on the State of our Environment indicators **BE CONSIDERED** during future operating and capital budget processes.

EXECUTIVE SUMMARY:

N/A

2. BACKGROUND:

In the recently adopted 2013 Report on the State of our Environment (ROSE), a trend analysis was completed for various environmental indicators aligned with Environmental Master Plan (EMP) goals. Various City of Windsor projects benefitting the environment were summarised, and areas to move forward towards further implementation of the EMP were identified.

At the November 20th, 2013 Environment, Transportation and Public Safety Standing Committee, the 2013 Report on the State of our Environment was brought forward for adoption. The following motion was passed by the Standing Committee:

THAT the report authored by the Environmental Coordinator dated October 29, 2013 entitled Report on the State of our Environment 2013 **BE RECEIVED** for information, and further;

THAT an additional report **BE PROVIDED** with possible general next steps that could be taken to reverse negative environmental results as listed in the 2013 Report on the State of Our Environment, including identifying costs and investment to date.

This motion was accepted at the City Council meeting of January 6th 2014.

3. DISCUSSION:

Currently the City of Windsor has 1.5 full staff equivalents working to coordinate and implement the Environmental Master Plan initiatives. The Environmental Master Plan was completed in 2006 with a baseline ROSE report in 2009. The noted improvement in many areas is due in part to the commitment of all departments in the City of Windsor.

The Environmental Master Plan currently has a small operating budget to assist with public education and small environmental projects. The Environmental Coordinators work closely with all City departments to assist them in implementing environmental projects or enhancing programs to include environmental considerations. However, the financial costs associated with the implementation of projects to protect and enhance the environment rest largely with those departments. In general, departments are faced with financial constraints when proposing environmental initiatives.

Many of the 2013 Report on the State of our Environment indicators are moving towards their desired goal. Of the indicators that received a negative result, many were not moving away from their goal but were unchanged. The environmental indicators selected for targeted improvement can be seen in Table 1.

Table 1 – Environmental Indicators Targeted for Improvement.

	Goal	Trend	Result
Goal A – Improve Our Air and Water Quality			
Amount of Wastewater Treated	↘	↔	✗
Goal B – Create Healthy Communities			
Population Density	↗	↘	✗
Goal C – Green Windsor			
City Owned Trees Planted and Removed	↗	↘	✗
Brownfield Conversion	↗	↔	✗
Goal D – Use Resources Efficiently			
Energy Consumption			
Buildings	↘	↗	✗
Solid Waste Management			
Total Refuse Collected	↘	↔	✗
Diversion Rate	↗	↔	✗

Suggestions to improve the above indicators were discussed in consultation with the departments most able to effect change in these areas. Proposed recommendations to improve targeted environmental indicators can be seen in Table 2.

Table 2 – Proposed Recommendations to Improve Targeted Environmental Indicators.

Quality of Wastewater and Amount of Wastewater Treated	Cost Estimate	Lead Department	Comments
<ul style="list-style-type: none"> Develop pilot projects for the use of Porous Pavement on City Properties and develop guidelines for use in development 	\$50,000	Engineering, Planning, PW – Operations, Parks & Facilities, EMP	Based on a study completed by the Toronto and Region Conservation Authority the cost of traditional impervious asphalt is roughly 60% that of permeable pavers. This cost difference is offset by the longer life of permeable pavements and the reduced need for stormwater conveyance.
<ul style="list-style-type: none"> Installation of Rain Gardens as a pilot project to determine effectiveness 	\$15,000	Engineering, Planning PW – Operations, Parks & Facilities, Forestry & Horticulture, EMP	The Environmental Master Plan is currently working with ERCA to discuss possible locations for rain garden pilot projects
<ul style="list-style-type: none"> Consideration of additional Off-Line Storage of Stormwater 	TBD	Engineering	The development of the Storm and Sanitary Sewer Use Master Plan will begin in 2014 and will not conclude until late 2015/2016. This master plan will determine the priorities for off-line storage of stormwater.
<ul style="list-style-type: none"> Improvement and Enhancement of Green Space to improve rain water retention 	TBD	Planning, PW – Operations, Parks & Facilities	Several initiatives underway in 2014 will help guide the direction of this adaptation option including the Parks Master Plan.
Population Density			
<ul style="list-style-type: none"> Through zoning, encourage higher residential density standards where applicable 	In house	Planning	For example: In the downtown core
<ul style="list-style-type: none"> Provide incentives for residential development of infill lots in core areas 	TBD	Planning	

City-Owned Trees Planted and Removed			
<ul style="list-style-type: none"> Increase tree planting 	\$550,000.00 (per year)	Forestry & Horticulture, Planning	\$275 per 45mm caliper tree, increase by 2,000 trees per year
Brownfield Conversion			
<ul style="list-style-type: none"> Take a more proactive role in fostering cleanup and redevelopment of City-owned and privately owned brownfields Work with WEEDC and private brownfield property owners to actively market brownfield properties Increase Environmental Study Grants to offset higher costs associated with Phase II Environmental Site Assessments 	\$250,000 - \$500,000 (per property) \$50,000 - \$100,000 TBD	Planning, Engineering, Finance and Legal Planning Planning	For example: Acquiring, remediating, reusing and improving high priority privately owned brownfield sites; and remediating, reusing and improving municipally owned brownfield sites There are approximately 144 potentially contaminated sites that are suitable for redevelopment
Energy Consumption – Buildings			
<ul style="list-style-type: none"> Set energy reduction targets and complete the Corporate Climate Change Mitigation Plan Complete the new City Hall to LEED energy standards (not necessarily obtain LEED certification) 	\$150,000 TBD	Asset Planning, Environmental Master Plan Development & Geomatics	These funds are currently in the 2015 Capital Budget to undertake a Climate Change Mitigation Plan. The expense required to obtain LEED certification may not be necessary however the building should be built to LEED (or other) standards and should also include best practices for stormwater management (i.e. raingardens, permeable pavement etc.).
Solid Waste Management			
<ul style="list-style-type: none"> Weekly residential recycling pick up 	\$100,000 (per month)	Environmental Services	This would likely be double the cost of our current program and could only be implemented if included in the next contract negotiations.

4. RISK ANALYSIS:

Each of the initiatives recommended would have to be analysed for risks associated if/when they go before Council for approval.

5. FINANCIAL MATTERS:

These proposed options as well as those proposed in the 2013 Report on the State of our Environment are for consideration through future Operating and Capital budget processes. They will be competing with other submissions from other City departments in order to receive funding.

It will be the responsibility of City Council during those budget deliberations to prioritize any proposed actions which would further improve Windsor's environment.

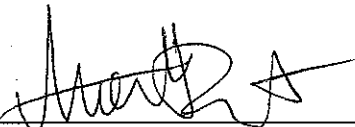
6. CONSULTATIONS:

Michael Cook, Manager of Planning Policy
Greg Atkinson, Planner III Economic Development
Sergio Grando, Manager Energy Initiatives
Bill Roesel, Manager Forestry & Horticulture
Anne Marie Albidone, Environmental Services Manager

7. CONCLUSION:

Many of the 2013 Report on the State of our Environment indicators are moving towards their desired goal. Of the indicators that received a negative result, many were not moving away from their goal but were unchanged, demonstrating that the environment in Windsor is improving in many ways.

The ROSE's success is dependent on the activities of all City departments and agencies, the staff dedicated to its implementation and City Council support. The actions recommended may help improve some of the indicators where we have not met the desired goal.



Averil Parent
Environment and Sustainability Coordinator



Chris Manzon
Senior Manager, Pollution Control



Mario Sonego
City Engineer and Corporate Leader
Environmental Protection and Transportation



Helga Reidel
Chief Administrative Officer

AP/jc

APPENDICES:

DEPARTMENTS/OTHERS CONSULTED:

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NOTIFICATION :

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