

1. CALL TO ORDER

2. ADDITIONS TO THE AGENDA

3. DECLARATION OF CONFLICT

4. <u>MINUTES</u>

Adoption of the minutes of the meeting held July 28th, 2016 - emailed separately.

5. <u>PRESENTATION</u>

5.1 Heather Grondin & Jim Wraith – Windsor Detroit Bridge Authority

6. <u>BUSINESS</u>

- 6.1 WECEC 2017 Budget Request Ratification *attached*.
- 6.2 Water Brothers Funds Authorization
- 6.3 ERCA Invasive Species Green Speaker Series Funds Authorization
- 6.4 Brainstorming Session Remaining 2016 funds

7. <u>COORDINATORS REPORT</u>

7.1 WECEC Coordinator Monthly Report – *attached*.

8. <u>SUBCOMMITTEE REPORTS</u>

- 8.1 Air
- 8.2 Environmentally Sensitive Lands and Issues

9. <u>NEW BUSINESS</u>

- 9.1 Update on City of Windsor environmental initiatives
- 9.2 Update on Essex County environmental initiatives

10. <u>COMMUNICATIONS</u>

- 10.1 Response from the Ministry of Environment and Climate Change re. Marathon Refinery attached.
- 10.2 Response from Essex re. Regional Idling Initiative *attached*.
- 10.3 Great Lakes & St. Lawrence River Basin Waukesha Diversion Application attached.
- **10.4** Remington Park Cancer Cluster Investigation *attached*.
- 10.5 A Multi-Jurisdictional Water Quality Trading Framework for Western Lake Erie attached.
- 10.6 Widespread Plastic Pollution Found in Great Lakes Tributaries attached.

11. DATE OF NEXT MEETING

The date of the next meeting is November 24th 2016 at the Ojibway Nature Centre.

12. ADJOURNMENT



A. Organizational Overview

Mission

To protect and enhance the quality of the environment for residents in Windsor and Essex County by providing advice, guidance, and counsel to City and County Councils on policies and procedures and providing and supporting advocacy, community education and outreach programs.



Description

The Windsor-Essex County Environment Committee (WECEC) is a group of environmental-related organizations that meet monthly to ensure the ongoing health and stability of our local environment. We protect and enhance the quality of the environment for residents in Windsor and Essex County; provide advice and guidance to City and County Councils on policies and procedures; and provide and support advocacy, community education and outreach programs. WECEC is recognized as a credible and integral agent/component in regional environmental decision making and community engagement.

Committee Members (2016)

Councillor Fred Francis Deputy Mayor Gary McNamara Debby Grant Edwin Tam Councillor Paul Borrelli Derek Coronado Mike Nelson Radwan Tamr Deputy Mayor Joe Bachetti Jesse Gardner Costa Joe Passa



Windsor Essex County Environment Committee

B. Budget Detail & Request

	2016 Budget	2016 Actuals YTD*	2017 Budget	\$ Budget Change Over PY	% Budget Change Over PY
Revenues					
Grants & Subsidies	0	(4,000)		0	0.0%
Total Revenue	0	(4,000)	0	0	0.0%
Expenditures					a andros andros w
Other Miscellaneous Expenditures	4,000	3,634	0	(4,000)	(100.0%)
Total Expenses	4,000	3,634	0	(4,000)	(100.0%)
Total Net	4,000	(366)	0	(4,000)	(100.0%)

City of Windsor Funding

-	2016 Budget	2016 Actuals YTD*	2017 Budget	\$ Budget Change Over PY	% Budget Change Over PY
City of Windsor Funding	4,000	(366)	0	(4,000)	(100.0%)

* YTD Actuals as at June 30, 2016

C. Budget Highlights

2016 Accomplishments

VINDSOR

- Pat on the Back Awards Four \$500 prizes and associated plaques were awarded to Learnington District Secondary School EcoTeam, F.J. Brennan Catholic High School, the Compass Expulsion Program and the Windsor Public Library/Windsor-Essex Community Garden Collaborative to implement environmental improvement projects (\$2,300)
- Marathon Refinery Following a resolution passed by WECEC, the City of Windsor and County of Essex send letters to Minister Catherine McKenna raising concerns over the proposed expansion of the Marathon Refinery in Michigan. Minister McKenna responded to the letters, and Marathon has since amended its proposal
- Green Speaker Series So far, WECEC has hosted two Green Speaker events in 2016, featuring Peter Garforth, a
 consultant working with the City of Windsor to design its Community Energy Plan, and Dr. Jason Thistlethwaite, an
 assistant professor at the University of Waterloo who specializes in municipal flood governance (\$1,425). One to two
 more Green Speaker events are anticipated to be held this year (\$1,575).
- 2016 Environmental Advisory Committees of Ontario Symposium The Coordinator of WECEC and a WECEC member attended the annual symposium, which offered a platform to espouse the environmental work undertaken by the City of Windsor, as well as learn about initiatives undertaken in other municipalities which might be relevant to Windsor (\$615)
- Occupied a booth at the 2016 Windsor Earth Day event, which is estimated to be the best-ever attended (\$35)
- Working to act as an involved member in the development of the City's Urban Forest Management Plan
- Maintain the WECEC website (\$430)
- Aired an advertisement advising on ways to limit algal blooms in the Great Lakes at the Lakeshore Cinema in Tecumseh throughout the year, and at Southpoint Cinema in Learnington from January-April (2015 budget)

2017 Initiatives

- Pat on the Back Awards (\$2,500)
- Green Speaker Series (\$3,000)
- Earth Day (\$30)
- WECEC Website (\$450)
- Continued involvement in the development of the Urban Forest Management Plan
- Other environmental initiatives as devised (\$2000)

2017 Budget Cost Drivers

WECEC seeks to maintain its successful annual programs, with additional funds available for initiatives as they arise, such as the airing of the algal blooms advertisement. It is the responsibility of WECEC to ensure that all initiatives fall within its available budget.

Total (The Corporation of the City of Windsor \$4,000 + County of Essex \$4,000)

2017 Mitigating Measures

The Windsor Essex County Environment Committee is not requesting additional funding over and above last year's level.



Accumulated Surpluses/Reserves

Disclosure of any accumulated surplus funds (including reserves) arising from the prior year or previous year. NOT APPLICABLE



- SEPTEMBER 2016 -

ONGOING INITIATIVES

1. Communications

A. Marathon Refinery

The office Catherine McKenna, Minister of Environment and Climate Change, responded to the Mayor of the City of Windsor on the topic of the proposed Marathon Refinery expansion. The letter noted that the Marathon proposal has been amended since the Mayor's office raised the point, but that the Government of Canada will continue to monitor the situation and work on reducing transboundary pollution from the United States.

B. Idling

At the meeting of July 18, 2018 the Council of Essex reviewed correspondence on the possibility of a regional idling standard and voted in support of the proposal. No other County initiatives or issues of support have been announced to date.

C. Presentations

Lee Tome is meeting with representatives from Health Canada and other participants in the mock disaster on Thursday, September 29. He has agrees to share the assessment with WECEC on Thursday, November 24.

D. Microplastics

The Federation of Canadian Municipalities has adopted the following resolution, and has written to the federal government calling for action on microplastics:

BE IT RESOLVED, That FCM urge the Government of Canada to prohibit, through the list of toxic substances (Canadian Environmental Protection Act), the manufacture, use and sale of personal care and cleaning products containing plastic microbeads.

Great Lakes and St. Lawrence Cities Initiative have adopted the following resolution and have contacted the federal government:

NOW, THEREFORE, BE IT RESOLVED, that the Great Lakes and St. Lawrence Cities Initiative calls on the government of Canada to implement legislation banning the production and distribution of products containing microbeads as soon as possible;

The Association of Municipalities Ontario is not presently involved in Microplastics issues.

There exists no information on microplastics initiatives on the websites of Sustainable Cities International or the Regional Public Works Commissioners of Ontario. Inquiries have been sent regarding how these organizations hope to address the issue of microplatics, but so far answers have not been forthcoming.

WECEC BUDGET – SUMMARY

2016 Budget				
Expense	Credit	Expenditure	Status	
2016 Budget	\$8,000.00			
Pat on the Back		\$2,400	Spent	
Green Speaker #1		\$1,000	Spent	
Green Speaker #2		\$425	Spent	
Green Speaker #3 (&4)		~\$1,575	Proposed	
Website Hosting Fee		\$400	Committed	
Website Domain Renewal		\$28.25	Committed	
Earth Day		\$35	Spent	
EAC Symposia		\$615	Spent	
TOTALS	\$8,000	\$6,478.25		
ESTIMATED SPENT		\$4,475		
ESTIMATED COMMITTED SPENDING		\$428.25		
ESTIMATED PROPOSED SPENDING		\$1,575		
ESTIMATED NON-ALLOCATED			\$1,521.75	
REMAINING				

WECEC Work Plan 2016

GOALS	ACTIONS	TIME FRAME
Goal: Improve relationships with City and County Councils.	Prepare an annual report of accomplishments and send to City and County Councils, environmental organizations, boards etc.	Yearly Yearly
Goal: Improve relationships with other organizations, committees.	Hold a meeting with other environmental organizations and committees to share information; Continue to pursue opportunities for partnering on community education/public awareness; Hold annual Pat on the Back Awards presenting \$2,000 to local environmental organizations and schools.	
Strategic Direction #2 – Advocacy		
GOALS	ACTIONS	TIME FRAME
Goal: Provide advice on environmental issues to the City of Windsor, County of Essex and its area municipalities.	Assess issues referred from City and County Councils and respond with suggested recommendations; Provide recommendations to City and County Councils on environmental matters identified through our own initiative.	
Goal: Advocate for environmental groups in Windsor Essex County.	Accept delegations from environmental groups and advocate on behalf of these groups to	Ongoing
Goal: Provide advice to City and County Council related to Federal and Provincial initiatives.	Develop recommendations related to Federal and Provincial plans, policies and initiatives to be forwarded to City and County Councils.	Ongoing
Strategic Direction #3 – Public Engagemen		
GOALS		
Goal: Increase awareness of WECEC by the public.	Maintain a website and Facebook page; Strategically identify and attend community events; Maintain a professional display for participation at community events.	
Goal:Increase engagement of public on environmental issuesDevelop environmental education campaigns and messaging to help inform Windsor Essex County residents about environmental issues; Host free Green Speaker Series events with environmental experts highlighting environmental issues.		Ongoin

- September 2016 -

List of Priorities (including but not limited to)

- Greening the City specifically more green roofs and other types of green infrastructure
- Walkability, complete streets, trails, active transportation
- Review of existing tree cutting bylaw
- Pollution issues, cancer causing environmental issues
- Right to Know by-law
- Parkway natural areas
- Know Your City tour
- Information sharing about what other municipalities are doing
- Invasive species control
- Youth engagement
- Anti-Idling
- Bike Lanes

Current List of Subcommittees

1. Air

2. Environmentally Sensitive Lands and Issues

8.2 Update on Essex County environmental initiatives

Report prepared by Michael Nelson for the September 29, 2016 Windsor-Essex County Environment Committee meeting.

Spring Habitat Restoration Project update – During the busy April to June spring restoration and tree planting season the following tree planting and habitat restoration projects were implemented in the region in Essex County and the City of Windsor:

LTVCA - completed one tree planting project in the Town of Lakeshore.

ERCA (map attached) - In total, ERCA planted and distributed over 100,000 trees. ERCA staff planted 75,000 seedlings for 52 different projects covering a total of 85 acres of land.

ERCA Strategic Plan - The programs and priorities of the Essex Region Conservation Authority are guided by our Strategic Plan 2016-2025 – Sustaining the Place for Life. This plan will guide our actions and resource allocations over the next decade to achieve the community vision: The Essex Region is a sustainable, resilient and vibrant place with healthy and thriving watersheds, Great Lakes and a green culture. http://erca.org/wp-content/uploads/2016/05/ERCA_2016-2025_StrategicPlan-single-pgs-for-web.pdf The plan was presented to the ERCA Board of Directors on April 14, 2016 and the Board report is available http://erca.org/wp-content/uploads/2013/01/BD_Agenda-FULL-14Apr2016.pdf

Lower Thames Valley Conservation Authority – Policies and Procedures. The Lower Thames Valley Conservation Authority is proceeding with an update of their Planning and Regulation Policy Guidelines. A draft of the policies has been completed and work has begun on the Operational Guidelines. LTVCA staff will be looking to schedule a series of four open houses in September. For more information, please contact the office – <u>www.lowerthames-conservation.on.ca</u>

Lower Thames Valley Conservation Authority updates – the Board of Director's met most recently on August 25, 2016. The meeting minutes highlight a number of key projects occurring in the region focusing on environmental priorities such as wetland and habitat creation and improvement projects, species at risk drainage projects, phosphorus reduction pilot projects (GLASI) focusing on the Great Lakes, and other agricultural water quality focused best management practice verification and enhancement projects.

Provincially Significant Wetlands – ERCA has entered into a partnership with the Ministry of Natural Resources and Forestry to evaluate new and confirm the boundaries of existing Provincially Significant Wetlands. Fieldwork will be starting this fall - more information is found within the June 16, 2016 Board Report 17/16 available here: <u>http://erca.org/about-erca/board-members-meetings/</u>

New Greenway Construction - Cypher System Greenway. ERCA is pleased to announce that a new greenway is being established over 20 kilometres of old rail trail greenway between Essex and Amherstburg. More information on this is found in the Board Report dated June 16, 2016: http://erca.org/about-erca/board-members-meetings/

Environmental Registry:

 <u>"Conservation Authorities Act Review Consultation Document. Conserving Our Future: Proposed</u> <u>Priorities for Renewal"</u>: comments were being requested from the public until September 9, 2016. EBR Registry Number 012-7583. ERCA provided comments to this Environmental Review circulation as reported on in ERCA Board Report 22/16 available here: http://erca.org/wp-content/uploads/2013/01/BD_Agenda-FULL-16June2016-.pdf

The Environmental Registry comment period <u>closed</u> on September 9, 2016.

 Provincial Wetland Conservation Strategy for Ontario 2016 -2030. ERCA prepared and submitted comments on the provincial draft wetland conservation strategy for Ontario as reported on in the report to the Board of Director's 26/16 available here: <u>http://erca.org/wpcontent/uploads/2013/01/BD_Agenda-FULL-15Sept2016.pdf</u>

The Environmental Registry comment period closes November 16, 2016. The posting is available on the Environmental Registry <u>www.ebr.gov.on.ca</u> Registry 012-7675.

3. The provincial "<u>Review of the Environmental Bill of Rights – A Provincial Dialogue</u>" is posted for comment at <u>www.ebr.gov.on.ca</u> Registry Number 012-8002.

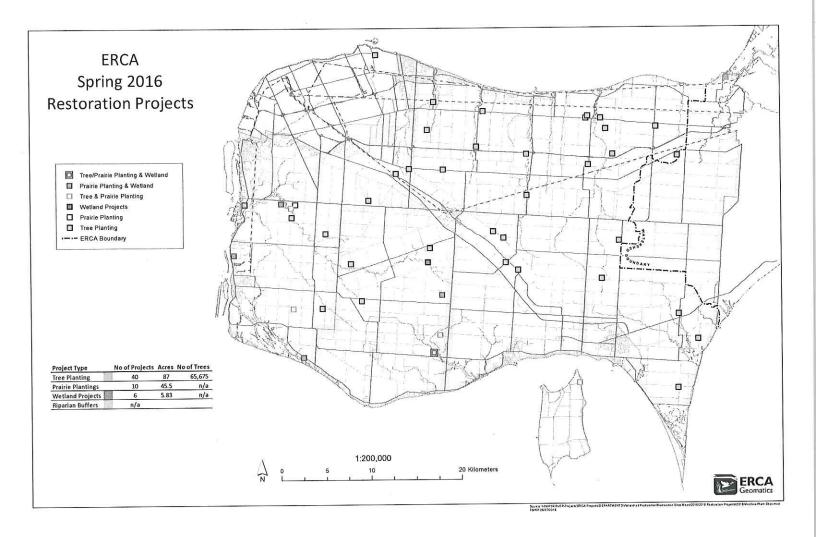
The Environmental Registry comment period closes November 8, 2016.

Events:

- Essex Soil and Crop Improvement Association 2016 Twilight Tour. August 9, 2016 between 5:00pm and 8:00pm. The focus of the tour was on "Phosphorus Management and Water Quality" and took place at Don and Neal Huber's Farm in Harrow complemented by special guest speakers Dr. Merrin Macrae, University of Waterloo and Jake Munroe, OMAFRA Soil Fertility Specialist. The Twilight Tour is an annual event that provides an opportunity for interested members of the public to learn more about soil conservation on a farm property.
- 2. <u>Wet & Wild Hawk Run</u>- Sunday, August 21 at Holiday Beach. This wet and wacky 5km run/walk raises money in support of the ongoing conservation efforts at the Holiday Beach Conservation Area. Held in partnership with WRACE.
- 3. <u>Festival of Hawks</u>- September 10/11 and 17/18. The annual celebration of one of the greatest migratory sights in North America. Join ERCA and the Holiday Beach Migration Observatory for tons of free programs and workshops at this annual festival.
- 4. <u>Canada South Coast Bike Tour</u>- Saturday, September 24. Join the Essex Region Conservation Foundation for this annual fundraising event. Choose from a range of route options, suitable for expert and amateur cyclists alike.
- <u>"A Living History: The Heritage Trees of Chatham-Kent</u>". Saturday September 24, 2016: 7:00pm start. Local film showing at the Chatham Cultural Centre.
- World Rivers Day Celebration on the Detroit River. Saturday September 24, 2016: 10:00am start. Litter cleanup, celebration of the Detroit River RAP initiatives and kayak demonstrations. Link <u>here</u>.

7. <u>A. D. Latornell Conservation Symposium</u>. The annual conference is being held November 15th to 17th in Alliston, Ontario. The theme this year is on Green Infrastructure and highlights speakers such as Diane Saxe, Ontario's Environmental Commissioner. <u>www.latornell.ca/2016-symposium</u>

Natural Heritage Policy Support for Municipal Official Plan Updates – ERCA staff are continuing to work with local municipal and City of Windsor planning departments to assist in updating Official Plans and ensuring that appropriate approaches are in place for addressing natural heritage and natural heritage system planning into their Official Plan documents. The Town of Tecumseh has recently hosted two public open houses that will assist in informing their Official Plan. The Town of Lakeshore has retained ERCA to assist with development of a natural heritage discussion paper.



MB2016

Ministre de l'Environnement et du Changement climatique



Minister of Environment and Climate Change

Ottawa, Canada K1A 0H3

AUG 02 2016

COMMUNICATION Correspondence 7.1.1.

His Worship Drew Dilkens Mayor of the City of Windsor mayoro@citywindsor.ca

Dear Mr. Mayor:

Thank you for your letter of May 10, 2016, regarding Windsor City Council's Decision Number CR204/2016 in support of the Essex Town Council's resolution about the proposed Marathan Oil Refinery expansion in Detroit, Michigan.

The Government of Canada is committed to providing clean air and healthier communities for Canadians. As you are no doubt aware, air quality is monitored on a daily basis by federal, provincial and territorial governments through monitoring programs such as the National Air Pollution Surveillance and the Canadian Air and Precipitation Monitoring Network. The Government is also committed to working with provinces and territories to set stronger air quality standards that will improve air quality and protect the health of Canadians and the environment. Canada continues to work with the United States to address transboundary air pollution under the Canada–United States Air Quality Agreement.

During the past months, the Government of Canada has been monitoring the permit applications submitted for the proposed changes to the Marathan Oil Refinery. As you noted, Marathon Petroleum Corporation had committed to amend its proposal to reduce the pollutants associated with the proposed changes. The revised permit application submitted by the company includes measures, enforceable by Michigan's Department of Environmental Quality, that are now projected to result in a decrease in sulphur dioxide emissions of *1 short tonne per year from current levels*. These measures are also expected to reduce the nitrogen oxides and sulphuric acid emissions from current levels by 6.6 and 0.5 short tonnes per year, respectively. On May 26, 2016, the Department of Environmental Quality approved this permit application.

Environment and Climate Change Canada officials are taking actions to address transboundary air quality issues, including the expected modifications of the Marathon Oil Refinery in Detroit, with their counterparts in the United States, the State of Michigan, and the Government of Ontario through informal consultations

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CITY OF WINDSOR COUNCIL SERVICES

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under the Canada–United States Air Quality Agreement. As part of that work, the Department's scientists will evaluate the impacts of the expected changes to the Marathon Oil Refinery on Canadian air quality and continue to monitor the situation.

I appreciate being made aware of the Windsor City Council's views. Please accept my best regards.

Sincerely,

Mik

The Honourable Catherine McKenna, P.C., M.P.

EI2016

July 26, 2016

Steve Vlachodimos Deputy City Clerk and Senior Manager of Council Services City of Windsor 350 City Hall Square West City Hall Windsor, Ontario N9A 6S1

Re: Possible Regional Standard to Reduce Emissions

Dear Mr. Vlachodimos,

At the regular council meeting of July 18, 2016 Council reviewed the City of Windsor correspondence regarding a possible regional standard to reduce emissions. As a result of their review the following resolution was passed,

" Moved by Councillor Bondy

Seconded by Councillor Bjorkman

(R16-07-300) That correspondence from the City of Windsor, dated July 7, 2016 providing Council with a copy of their recent amendments to their by-law that prohibits excessive idling of vehicles and requesting that Council consider supporting a possible regional standard to reduce emissions that may contribute to climate change and poor air quality, be received and supported. "Carried" "

I trust you will find this satisfactory, but should you have any questions or comments regarding this matter, please feel free to contact the undersigned.

Yours truly,

Robert Auger, L.L.B. Manager, Legislative Services/Clerk Ext. 1132 Email: raguer@essex.ca CITY OF WINDSOF COUNCIL SERVICES

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33 Talbot Street South Essex, Ontario N8M 1A8 www.essex.ca t 519 776 7336 f 519 776 8811

Communications

CITY OF WINDSOR COUNCIL SERVICES

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COMMUNICATION Correspondence 7,19



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Fax: (519)255-6868 E-mail: <u>clerks@citywindsor.ca</u> WEBSITE: www.citywindsor.ca

City Council Decision Tuesday, September 06, 2016

Decision Number: CR548/2016

That the following Correspondence Items 7.1.2 through 7.1.7 and 7.1.9 and 7.1.10 as set forth in the Council Agenda **BE REFERRED** as noted except Correspondence 7.1.1 and 7.1.8 which are dealt with as follows:

Correspondence No. 7.1.1

Decision No. CR567/2016

That the correspondence from the Rail Safety Programs Promotion Officer at Transport Canada dated August 23, 2016 regarding "Rail Safety – Community Synergy Engagement Request" **BE RECEIVED**; and further,

That the City of Windsor **INDICATE** its interest and willingness to participate in a larger scale joint initiative regarding matters of rail safety, as outlined in that correspondence. Carried.

Clerk's File: GF2016

Correspondence No. 7.1.8

Decision No.: CR568/2016

WHEREAS, the Great Lakes and St. Lawrence River Basin represents approximately 20% of the world's surface freshwater resource and supports the third largest economy in the world; and

WHEREAS, on December 13, 2005, the Great Lakes Governors of Illinois, Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania and Wisconsin, and the Premiers of Ontario and Quebec signed the Great Lakes—St. Lawrence River Basin Sustainable Water Resources Agreement (the "Agreement"), and the Governors endorsed the companion Great Lakes—St. Lawrence River Basin Water Resources Compact (the "Compact"), which was later approved by the United States Congress and signed by the President, banning new water diversions from the Basin except in communities located in counties straddling the water division line between the Great Lakes-St. Lawrence Basin and other basins; and



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WHEREAS, the City of Waukesha, WI, is located in Waukesha County, a county straddling the basin division line; and

WHEREAS, the City of Waukesha applied to the Wisconsin Department of Natural Resources under the exception for a "Community within a Straddling County" to use Lake Michigan as its source of drinking water (the "Waukesha Application"); and

WHEREAS, the Compact requires proposals for diversions to satisfy seven specific conditions; and

WHEREAS, the Regional Body, after having reached an agreement on a Declaration of Finding and a set of conditions for the application, forwarded its recommendation to the Compact Council, and that all eight Great Lakes states voted in favor of the Waukesha Application; and

WHEREAS, on June 21, 2016, the Compact Council issued its Final Decision approving the Waukesha Application with Conditions; and

WHEREAS, the Waukesha Application does not meet the terms of the Agreement nor the Compact, and the precedent-setting nature of the Final Decision to approve the Application is of great concern to the Mayors of the Great Lakes and St. Lawrence Cities Initiative; and

WHEREAS, the approved service area still contains parts of communities which are not part of the City of Waukesha and which have not demonstrated a need for the water, amounting to a clear violation of the Compact; and

WHEREAS, this broader service area is not a "Community within a Straddling County" as defined and required by the exception conditions in the Agreement and Compact; and

WHEREAS, there are reasonable water supply alternatives to meet the drinking water guantity and guality needs of the City of Waukesha; and

WHEREAS, the impacts of the proposed return flow of water through the Root River to Lake Michigan are likely to have adverse impacts on the ecosystem and to the urban shores of the mouth of the River; and



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WHEREAS, the Conditions for Approval were not subject to public comment while debated by the Regional Body and Compact Council despite the Compact's requirement that all relevant information be available to the public for comment; and

WHEREAS, the Regional Body review process did not provide adequate opportunity for public comment as only one public meeting was held in the City of Waukesha, and that hundreds of public comments against the Application did not appear to be considered during the Regional Body or Compact Council process;

THEREFORE, BE IT RESOLVED, that the City of Windsor, Ontario **AFFIRMS** its commitment to the protection of our water resources by calling on the Governors of Illinois, Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania and Wisconsin, and their representatives on the Compact Council to reconsider their Final Decision to approve the Waukesha Application; and

BE IT FURTHER RESOLVED, that the City of Windsor, Ontario **SUPPORTS** challenges by the Great Lakes and St. Lawrence Cities Initiative to the Compact Council's approval of the Waukesha Application under procedures adopted by the Compact Council, which may include requesting a hearing and initiating judicial review of the Final Decision; and

BE IT FINALLY RESOLVED, that the City of Windsor, Ontario **URGES** the Governors and Premiers of the Regional Body and Compact Council, consistent with good public policy, to reverse its approval of the Waukesha diversion application and ensure that the provisions of the Compact are strictly applied in this and any future application in order to protect the finite water resources of the Great Lakes and St. Lawrence River basin. Carried.

Clerk's File Number: EW/9643

No.	Sender	Subject		
7.1.1	Transport Canada	Rail Safety – Community Synergy Engagement Request.		
	A-31-32-235-3-44-364	City Engineer		
		COUNCIL DIRECTION REQUESTED,		
1. S. M.	19. 19. 19. 20. 20. 20. 20. 20. 20. 20. 20. 20. 20	otherwise Note & File		
		GF2016		
	Ministry of the Environment &	Environmental Compliance Approval for the construction of storm sewers on Meldrum Road		
	Climate Change	between Tecumseh Road East and Ypres Avenue.		

Remington Park Cancer Cluster Investigation Report

In 2015, the Windsor-Essex County Health Unit, with help from the agencies listed in the Acknowledgements section (see p.3 of report), studied a cancer cluster located in a part of Remington Park in Windsor, Ontario. Between 2000 and 2009, the rate of new lung cancer cases in that part of Remington Park was 2.2 times greater than the Ontario rate. Other forms of cancer were not above the provincial average.

For this study, the Health Unit tried to contact people who were diagnosed with lung cancer between 2000 and 2009 while living in Remington Park. The Health Unit met with 12 people or their next of kin to find common exposures that could explain the lung cancer cluster. Some key findings were:

- Lung cancer takes at least 10 years to develop after first exposure. It often takes 20-25 years. For this group, the earliest exposure could have begun in 1951 with the latest period ending in 1999.
- The 12 people in this study were mostly male (10 male and 2 female) and their age at diagnosis ranged from 40 to 83 years. The average age at diagnosis was 62 years.
- Family history is a risk factor for lung cancer and 3 people (25%) in this study had a family member (mother, father or sibling) with a previous diagnosis of lung cancer.
- No data are available on residential radon levels for the 12 people in this study.
- Job-related exposure may be relevant for 11 people (92%). Four worked in manufacturing, five in construction, two in transportation, two in metals, and one in pulp and paper.
- Five people had hobbies that could increase their risk of lung cancer, including: car repair, woodworking (mostly hard wood), gardening, and arc welding.
- Ten people or their next of kin had environmental concerns related to at least one of their previous homes. Air pollution from nearby industry, motor vehicle traffic, and rail transportation were concerns shared.
- All 12 people in this study were exposed to first-hand or second-hand tobacco smoke. Nine (75%) were daily smokers ranging from a few cigarettes to two packs a day. Two (17%) were occasional smokers and the one non-smoker had lived in a home with a smoker.

In conclusion, tobacco smoke was the only lung cancer carcinogen that all 12 people were exposed to in this study. Other risk factors were present, but not consistent among all people. The Health Unit will continue to monitor lung cancer rates in Remington Park and will continue to work with our partner agencies to inform our community on how to lessen their risk of developing cancer.



A multi-jurisdictional water quality trading framework for Western Lake Erie

Erie P Market

The Great Lakes Commission's Erie P Market project will examine and test water quality trading as a nutrient reduction tool capable of crossing state and provincial boundaries in the Western Lake Erie Basin. Indiana, Michigan, Ohio and Ontario are participating in the project, along with other key partners.

Science tells us that nutrients, particularly phosphorus, leaving agricultural lands are a primary contributor to Harmful Algal Blooms in Lake Erie. At present, reducing phosphorus use and associated runoff from agricultural lands is largely a voluntarily action by farmers.

Excessive nutrients also come from industrial facilities and municipal wastewater treatment plants, most of which already have permits that limit how much pollution can be discharged into the water. When these permit holders face high costs to meet their permit limits, water quality trading can provide an opportunity for them to invest in other types of conservation instead of expensive end-of-pipe controls. Trading also offers an incentive for farmers to keep nutrients from entering nearby waterways.

The Erie P Market project will see whether water quality trading may be an additional tool to help address the nutrient pollution problem in the Western Lake Erie Basin by developing guidelines for trading and testing the system through several pilot trades.



Widespread Plastic Pollution Found in Great Lakes Tributaries

Release Date: SEPTEMBER 14, 2016

Tiny pieces of harmful plastic, called microplastics, are prevalent in many rivers that flow into the Great Lakes, according to a study published today in the journal Environmental Science & Technology. Results are also illustrated on a new USGS microplastics website.

Microplastics fall off decomposing bottles and bags, wear off of synthetic clothing and are manufactured into some toothpastes and lotions. Scientists with the U.S. Geological Survey and State University of New York at Fredonia studied 107 water samples collected from 29 Great Lakes tributaries in Minnesota, Wisconsin, Indiana, Michigan, Ohio and New York, and found microplastics in all samples. Together, these 29 tributaries account for approximately 22 percent of the total river water that flows into the Great Lakes.

Microplastics, organic material and other debris in a sample from the Milwaukee River, Milwaukee, Wisconsin. (Austin Baldwin, USGS, Public domain)

"These microplastics, which are harmful to animal and possibly human health, will continue to accumulate in the Great Lakes well into the future," said Austin Baldwin, a USGS scientist and the lead author of the report. "Our findings can help water managers better understand the types and sources of microplastics in rivers, and which rivers are the most polluted with microplastics."

Baldwin noted that the study underestimates the actual microplastic concentrations in the rivers because the scientists sampled large microplastics greater than 0.33 millimeters (mm). The majority of microplastics are smaller than 0.1 mm.

Key findings from the study include:

- The highest concentration of microplastics was detected in the Huron River at Ann Arbor, Michigan, at 32 particles per cubic meter, or p/m³;
- High levels of microplastics were also detected in the Buffalo River at Buffalo, New York (31 p/m³), the Ashtabula River near Ashtabula, Ohio (23 p/m³), and the Clinton River near Mt. Clemens, Michigan (21 p/m³);
- The median concentration of microplastics in all samples was 1.9 p/m³;
- Urban watersheds had the highest concentrations of microplastics; and
- Microplastics were also present in streams in forested and agricultural areas.

The scientists found various forms of microplastics in the river samples: fibers, fragments, films, foams, and pellets or beads. Plastic fibers, which come from items such as synthetic clothes, diapers

and cigarette butts, were the most common type detected, at 71 percent of the total particles. The least common form found in the river water was microbeads, which are the only form banned by the United States Congress. This ban has not yet taken effect.

"We were surprised by the small amount of plastic beads and high amount of fibers found in the samples," Baldwin said. "These unexpected findings demonstrate how studies like ours are critical to better understanding the many forms and fates of microplastics in the environment."

Ingested microplastics can cause digestive and reproductive problems, as well as death, in fish, birds and other animals. Unhealthy additives in the plastic, including flame retardants and antimicrobials, have been associated with cancer and endocrine disruption in humans. Also, pollutants such as pesticides, trace metals and even pathogens can accumulate at high concentrations on microplastic particles.

Scientists have found microplastics nearly everywhere. Aside from rivers, microplastics are also common in lakes and oceans, in freshwater and marine fish, oysters and mussels, and in sediment. They are deposited onto land and water surfaces from the atmosphere.

The Great Lakes Restoration Initiative funded the new study. For more information on USGS microplastics research, please visit the USGS Great Lakes Restoration Initiative website.