A meeting of the Windsor Essex County Environment Committee is held this day commencing at 5:30 o’clock p.m. at the Ojibway Nature Centre, there being present the following members:

Councillor Paul Borrelli, Chair  
Councillor Fred Francis  
Derek Coronado  
Jesse Gardner Costa  
Mike Nelson  
Joe Passa  

Regrets received from:

Gary McNamara, Mayor, Town of Tecumseh  
Joe Bachetti, Deputy Mayor, Town of Tecumseh  
Dr. Edwin Tam  
Radwin Tamr

Also present are the following resource personnel:

Karina Richters, Supervisor, Environment Sustainability & Climate Change  
Karen Kadour, Committee Coordinator

1. CALL TO ORDER

The Chair calls the meeting to order at 5:33 o’clock p.m. and the Committee considers the Agenda being Schedule “A” attached hereto, matters which are dealt with as follows:

2. ADDITIONS TO THE AGENDA

Moved by Councillor Francis, seconded by J. Passa,  
That Rule 3.3 (c) of the Procedure By-law 98-2011 be waived to add the following addition to the Agenda:


Carried.
3. DECLARATIONS OF CONFLICT

None disclosed.

4. MINUTES

Moved by Councillor Francis, seconded by J. Passa,
That the minutes of the Windsor Essex County Environment Committee of its
meeting held September 29, 2016 BE ADOPTED as presented.
Carried.

5. PRESENTATIONS

5.1 Lee Tome – Mock Nuclear Disaster Assessment

Mr. Tome is unable to attend this meeting.

5.2 Karina Richters – City of Windsor Community Energy Plan (CEP)

The presentation entitled “Windsor’s Community Energy Plan – a powerful plan for the future – November 24, 2016” is attached as Appendix “A”. K. Richters provides an overview of the draft plan as follows:

- A Community Energy Plan is a comprehensive, long-term plan that helps to define community priorities around energy with a view to explore how energy could be generated, delivered and used in the community now and into the future.
- In 2014, the City of Windsor CEP baseline energy cost was $842 Million of which 80% of that value left the City.
- In 2014, the City of Windsor CEP baseline greenhouse gas emissions was 2.0 Million mega tons (9 tonnes CO2e/resident, which literally means carbon dioxide equivalent). CO2e allows other greenhouse gas emissions to be expressed in terms of CO2 based on their relative global warming potential. The Community Energy Plan aims to create economic advantage, mitigate climate change and improve energy performance. It aims to position Windsor as an energy centre of excellence that boasts efficient, innovative, and reliable energy systems that contribute to the quality of life of residents and businesses.
- The CEP will:
  - Ensure and enhance sustainable energy solutions
  - Maximize efficient use of energy
  - Ensure that tax impacts are cost neutral (or balanced)
  - Retain the majority of energy dollars in the City
  - Demonstrate global leadership
  - Advocate for urgent action to address climate change
6.2 Water Brothers Update

K. Richters advises as the Water Brothers slated for the 2016 Green Speaker Series are unable to commit this year, it is generally agreed a date in 2017 will be selected dependent on their availability.

6.3 Green Speaker Series – Invasive Species Roundtable Update

Kevin Money, Director, Conservation Services, Essex Region Conservation Authority will coordinate an invasive species expert panel at the Green Speaker Series event to be held on December 14, 2016 at the Civic Centre located in Essex.

6.4 WECEC Giveaways and Remaining WECEC Operating Budget

Moved by Councillor Francis, seconded by J. Gardner Costa,
That APPROVAL BE GIVEN to an expenditure in the upset amount of $3,000 for the purchase of the following promotional items (with the majority of the funds reserved for the purchase of 15 ounce travel mugs) as giveaways at various WECEC events:
1. 15 ounce travel mugs
2. 16 ounce stainless steel water bottles
3. Bicycle tire pumps
4. Wild flower, fruit and vegetable seeds

Carried.

7. COORDINATOR’S REPORT

7.1 WECEC Coordinator Monthly Report


Moved by Councillor Francis, seconded by J. Gardner Costa,
That the WECEC Coordinator’s November 2016 Monthly Report BE RECEIVED.
Carried.
8. SUBCOMMITTEE REPORTS

8.1 Air

D. Coronado states Dr. Diane Saxe, the Environmental Commissioner of Ontario (ECO) visited Windsor in October. During her stay, she visited numerous sites around the City and hosted a round table conversation with a number of individuals from the Community. In the evening she presented at the Ojibway Nature Centre for the general public.

- The presentation focused on the responsibilities and mandate of the ECC. The ECO’s powers and responsibilities are established by the Environmental Bill of Rights (EBR), which tasks the ECO with: Promoting and providing advice and assistance about the EBR;
- Reporting on the implementation of, and government compliance with, the EBR; and
- Reporting on Ontario’s progress reducing greenhouse gas emissions and improving energy conservation and efficiency.

8.2 Environmentally Sensitive Lands and Issues

J. Gardner Costa asks for the status of the wildlife crossings as it relates to the closure of Matchette Road. It is noted an Additional Information Memo entitled "CR248/2014 – Inquiry regarding the process involved for the closure of Matchette Road" will be reviewed by the Environment, Transportation & Public Safety Standing Committee possibly in January 2017.

9. NEW BUSINESS

9.1 Update on City of Windsor Environmental Initiatives

K. Richters indicates anti-idling kits are available for schools.

Councillor Francis suggests County politicians consider the implementation of an anti-idling by-law within the region.

K. Richters states the original 2006 Environmental Master Plan will be updated in 2017 and will incorporate actions items identified by WECEC.

In response to a question asked by J. Gardner Costa regarding WECEC’s role in the Community Energy Plan, K. Richters responds WECEC will be encouraged to provide comment during the public consultation period.
9.2 **Update on Essex County Environmental Initiatives**

M. Nelson provides the highlights of his “Update on Essex County Environmental Initiatives” report which includes the following:

- Detroit River Canadian Cleanup updates
- The DRCC Annual Report
- Environmental Assessments – County Road 20, Bouffard and Howard Planning Districts, and the Highway 3 widening.

Moved by Councillor Francis, seconded by J. Gardner Costa, That the updates regarding the City of Windsor Environmental Initiatives provided by K. Richters and the Essex County Environmental Initiatives provided by M. Nelson BE RECEIVED. Carried.

10. **COMMUNICATIONS**

The communication entitled “Letter from AECOM dated November 16, 2016 regarding the “Notice of Design and Construction Report Submission – New Structures at the Western Terminus of Highway 401 (the Rt. Honourable Herb Gray Parkway) Detail Design and Class Environmental Assessment Study” is distributed and attached as Appendix “B”.

Moved by Councillor Francis, seconded by M. Nelson, That the following Communications BE RECEIVED:

10.1 Consultation on Ontario’s Long Term Energy Plan
10.2 Consultation on improving cycling as per Ontario’s Climate Change Action Plan
10.3 FloodSmart Canada: Webinar on tackling flood risk
10.4 Reducing Nutrient Loss: innovative project to assist in reducing phosphorous loadings in Lake Erie
10.5 Town of Lakeshore Official Plan Review

Carried.
11. **DATE OF NEXT MEETING**

   The next meeting will be held on January 26, 2017 at 5:30 p.m. at the Ojibway Nature Centre.

12. **ADJOURNMENT**

   There being no further business, the meeting is adjourned at 6:58 o'clock p.m.

   
   
   ____________________________
   CHAIR

   ____________________________
   COMMITTEE COORDINATOR
AGENDA
WINDSOR-ESSEX COUNTY ENVIRONMENT COMMITTEE
held on November 24th, 2016
Meeting at 5:30 p.m at the Ojibway Nature Centre

1. CALL TO ORDER

2. ADDITIONS TO THE AGENDA

3. DECLARATION OF CONFLICT

4. MINUTES

Adoption of the minutes of the meeting held September 29th, 2016 – emailed separately.

5. PRESENTATION

5.1 Lee Tome – Amherstburg Fire Department – Mock Nuclear Disaster Assessment
5.2 Karina Richters – City of Windsor – Community Energy Plan

6. BUSINESS

6.1 Payment of Website Hosting Fee – attached.
6.2 Water Brothers update
6.3 Green Speaker Series – Invasive Species Roundtable update
6.4 WECEC giveaways and remaining funds (see Coordinator’s Report)

7. COORDINATORS REPORT


8. SUBCOMMITTEE REPORTS

8.1 Air
8.2 Environmentally Sensitive Lands and Issues

9. NEW BUSINESS

9.1 Update on City of Windsor environmental initiatives
9.2 Update on Essex County environmental initiatives – attached.

10. COMMUNICATIONS

10.1 Consultation on Ontario’s Long Term Energy Plan – attached.
10.2 Consultation on improving cycling as per Ontario’s Climate Change Action Plan – attached.
10.3 FloodSmart Canada: Webinar on tackling flood risk – attached.
10.4 Reducing Nutrient Loss: innovative project to assist in reducing phosphorus loadings in Lake Erie – attached.

11. DATE OF NEXT MEETING

The date of the next meeting is January 26th 2017 at the Ojibway Nature Centre.

12. ADJOURNMENT
Windsor’s COMMUNITY ENERGY PLAN

a powerful plan for the future

WECEC Presentation

November 24th 2016
What is a Community Energy Plan?

A Community Energy Plan is a comprehensive, long-term plan that helps to define community priorities around energy with a view to... Explore how energy could be generated, delivered and used in the community now and into the future.

Source: QUEST ECOP Module 1
Successful CEP
Balanced Benefits

- Competitiveness
  1. Energy cost
  2. Employment
  3. Investment
- Security
  4. Supply security
  5. Supply quality
  6. Flexibility
- Environment
  7. Greenhouse Gas Reduction

Breakthrough Targets are Achievable
Where are we now?
How much energy is Windsor using now? (2014)
City of Windsor CEP Baseline
Energy Cost ~ $842 Million

2014 Energy Cost

By Sector

- Transportation: 45%
- Residential: 19%
- Commercial/Institutional: 20%
- Municipal: 2%
- Industrial: 14%

By Utility

- Electricity: 36%
- Gas: 18%
- Diesel: 4.1%
- Gasoline: 42%

80% of that Value Leaves the City
City of Windsor CEP Baseline
GHG Emissions 2.0 Million mt

2014 Greenhouse Gas Emissions

By Utility
- Gasoline 31%
- Electricity 13%
- Diesel 3%
- Gas 53%

By Sector
- Residential 22%
- Commercial/Institutional 23%
- Municipal 1%
- Industrial 21%

9 tonnes CO$_2$e for every resident
City of Windsor CEP Baseline Performance Indicators

<table>
<thead>
<tr>
<th>Item</th>
<th>Windsor Baseline</th>
<th>Canada Average</th>
<th>Ontario Average</th>
<th>Comparable Best Practice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utility/household (GJ)</td>
<td>142</td>
<td>106</td>
<td>107</td>
<td>68&lt;sup&gt;a&lt;/sup&gt;</td>
</tr>
<tr>
<td>Utility/m² (Res) (GJ)</td>
<td>1.00</td>
<td>0.79</td>
<td></td>
<td>0.29&lt;sup&gt;b&lt;/sup&gt;</td>
</tr>
<tr>
<td>Utility/m² (non-res) (GJ)</td>
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<td>1.65</td>
<td></td>
<td>0.72&lt;sup&gt;c&lt;/sup&gt;</td>
</tr>
<tr>
<td>GHG / Capita (mt CO₂e)</td>
<td>9</td>
<td>9.7</td>
<td>6.2</td>
<td>3.5&lt;sup&gt;d&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

- Use per home 35% above Ontario average - more than twice Danish average<sup>a</sup>
- Use per square metre of home 20% higher than Ontario average - more than 3 times German A-rated homes<sup>b</sup>
- Use per square metre of non-residential around Canadian average - more than twice German average<sup>c</sup>
- GHG / capita is comparable to Canada average - nearly 3 times Copenhagen<sup>d</sup>
- Energy Use per capita more than twice sister city - Mannheim

Indicates Major Efficiency Potential
City of Windsor Energy Demand Mapping

- Over 76,000 parcels assessed for 2014
- Matched to Utility Meters
- Evolution to 2041 developed
  - City development plans
  - Provincial outlooks
  - Efficiency changes
- Building types and sizes
  - Existing
  - Renovation & demolition
  - New construction
- End-use requirements
  - Heating, Cooling, Lighting, Other
- Year-by-year models
- Aggregated to defined boundaries
  - 20 Energy Planning Districts

Aligned with City Planning
Total Energy Use 2014 Baseline

WINDSOR COMMUNITY ENERGY PLAN
Total Energy Consumption (GJ)

Total Energy Consumption (GJ)
- 121,000 - 700,000
- 700,001 - 1,300,000
- 1,300,001 - 1,900,000
- 1,900,001 - 2,500,000
- 2,500,001 - 3,100,000

Need for Differentiated Measures

Garforth International llc
Energy Productivity Solutions
Homes & Buildings Only
The Cost of Windsor's Projected Energy to 2041 - Lower Range

Base Case: Energy Cost by Utility - CEP Windsor - 2014 to 2041

Low Energy Price Range
Low GHG Cost Range

120% Annual Cost Increase to $1.8Bn
The Cost of Windsor's Projected Energy to 2041 - Higher Range

Base Case: Energy Cost by Utility - CEP Windsor - 2014 to 2041

280% Annual Cost Increase to $3.2Bn

Draft data subject to revision
Where do we want to go?
Vision, goals, principles, and potential targets
(2041)
Updated Vision Statement
(post CTF September 26, 2016)

The Community Energy Plan aims to create economic advantage, mitigate climate change and improve energy performance. It aims to position Windsor as an energy centre of excellence that boasts efficient, innovative, and reliable energy systems that contribute to the quality of life of residents and businesses.
The CEP will:

- Ensure and enhance sustainable energy solutions
- Maximize efficient use of energy
- Ensure that tax impacts are cost neutral (or balanced)
- Retain the majority of energy dollars in City
- Demonstrate global leadership
- Advocate for urgent action to address climate change
- Create a competitive advantage for Windsor
By 2041, the CEP aims to:

- **Building Efficiency**: Increase energy efficiency of all new and existing buildings in Windsor.
- **Industrial Efficiency**: Foster a shift towards low carbon technologies.
- **Transportation Efficiency**: Foster a shift towards low carbon transportation that integrates EV infrastructure, promotes alternative fuel vehicles, low carbon fuel options, public transit and active transportation to reduce the number of vehicles on the road.
- **Energy Supply**: Create an adaptive, sustainable, affordable and reliable local (and renewable) energy supply.
Updated Goal Statements
(post CTF September 26, 2016)

By 2041, the CEP aims to:

- **Land Use:** Design, build and revitalize neighbourhoods as complete communities that offer multi-modal transportation options.

- **Economic Development:** Innovate and offer advanced energy systems that are attractive for new investment, and foster retention and growth of existing businesses and industries.

- **Behaviour Change and Awareness:** Build awareness about energy investment in Windsor and foster a culture of energy conservation amongst residents, business, institutions and industry.

- **Training and Education:** Build knowledge, skills and technical capacity through partnerships that deliver innovative energy solutions at the local scale.
Ontario Climate Action Plan
Basis for CEP GHG Target

Ontario's greenhouse gas reduction targets

- 6%* (2014)**
- 15%* (2020)
- 37%* (2030)
- 80%* (2050)

*below 1990 greenhouse gas emission levels
**based on the 2016 National Inventory Report

Proposed CEP Target 40% Reduction by 2041 to align with Ontario target
Windsor CEP

Draft Targets

▶ Emissions reduction will support global efforts to stabilize and reverse climate change and meet the 2016 Ontario Climate Action Plan
  ◦ Target: 40% below 2014 levels by 2041
▶ Energy use per capita by 2041 will be at today's global best practices
  ◦ Target: 40% below 2014 levels by 2041
▶ Energy-related investments by the community will be at least as attractive a 20 year public bonds
▶ Create at least 3,000 jobs by 2025 implementing the core CEP sub-strategies

Retain Most Energy Value in City
What can we do to get there?
Preliminary CEP areas for action
Homes & Buildings

Efficiency Opportunity

- 53% of Primary Energy / 46% of GHG
- Cost Effective Retrofits
  - 30% to 50% efficiency gain
  - Positive cost benefit to owner
  - Positive margin benefits to contractor
- Favourable Legal Framework
  - Ontario Local Improvement Charge (LIC)
- Examples
  - Collaboration on Home Energy Efficiency Retrofits in Ontario (CHEERIO)
  - Guelph Energy Efficiency Retrofit Plan (GEER)

Challenge is to Structure Programme for Scale
Increased Efficiency
Existing Homes

Recommendations
- Create local entity
- Public/private partnership
- Quality controlled standardized retrofits
- Standardized pricing
- Efficiency gain 30 to 50%
- Retrofit 80% of existing homes in 15 years
- Payments using LIC

Focus on Simplicity, Quality and Scale
Increased Efficiency
Existing Buildings

Recommendations
- Extend role of local entity
- Commercial, Institutional & Municipal
- Quality controlled standard and tailored retrofits
- Simplified pricing
- Efficiency gain 20% to 50%
- Retrofit 60% of existing buildings in 15 years
- Payments using LIC

Focus on Quality and Scale
Increased Efficiency
New Construction

- Ontario Building Code
  - Most energy efficient in North America
  - Typically updated every 3 to 5 years
  - Still far from “Net Zero” or “Passive”

- Recommendations
  - Create market transparency through performance labelling as part of rental/purchase
  - Consider permitting incentives for above-code construction
  - Consider “Net Zero Planning Overlay”

Focus on Transparency, Compliance & Performance
Industry Efficiency

- 26% of Primary Energy / 21% of GHG
- Industry more efficient than homes & buildings
- Best Practices Widespread
  - Corporate Energy and Climate targets and plans
  - Global benchmarking – internal and external
  - Continuous improvement between 0.5% to 1.5% per year
- Recommendations
  - Encourage industry networking to proliferate best practices
  - Recognize industry’s expertise as community resource
  - Achieve average 1% per year efficiency improvement

Focus on Community Teaming & Transparency
Transportation Efficiency

- 20% of Primary Energy / 34% of GHG / 3.4 mt GHG/capita
- Benchmark*: Canada ~ 4.0 mt / Copenhagen 0.9 mt / Mannheim 1.6 mt

Broader Factors affecting emissions
- Transition to hybrid or all electric
- Average vehicle weight
- Efficient drive trains
- Carbon content of fuel

Regional and City Influences
- Compact urban design with mixed-use zoning
- Shift to shared and mass transit
- Parking and access privileges

Recommendations
- Integrate "all of the above" to be current world-class by 2041

Focus on Areas of Maximum City Influence

*Excluding aviation and marine
Windsor's Community Energy Plan

Efficient Supply
District Energy

- Operated by Thermal Utility
- Includes heating & cooling
- Serves homes-buildings-industry
- Network of insulated pipes
- Shares sources/fuels:
  - Combined Heat & Power
  - Boilers
  - Absorption and electric chillers
  - Solar and biomass
  - Waste heat recovery

Serves > 300 M users
~15,000 km/year added
Utility operation
Competitive costs

Illustration Courtesy of IDEA
District Energy Strategy

Benefits

- Reliable cost-effective service for consumers
- Attractive investment for City and Partners
- Reduces price volatility
- Energy dollars re-circulate in local economy
- Fuel flexibility improves energy security
- Quality jobs in construction & operation
- Creates scale for new technologies not feasible on single-building
- Facilitates Combined Heat & Power

Pathway to Zero Emissions Heating
Solar Power

Significant Potential

- Supportive Provincial policy
- Local employment
- Reducing installed costs
- Cut summer peak
- About 3% of total power
- Carbon free
- Modelled PV Capacity
  - Res. Roofs: 34 MW
  - Non-Res: 26 MW
  - Surface/Parking: 30 MW

Assessed Impact of 90 MW – More is Feasible
Clean & Efficient Supply

- Combined Heat & Power
  - Efficiently integrated within District Heating
  - About 10% of City total power needs – could be more

- Bio-fuels
  - Future use accelerated by District Heating

- Waste Heat Recovery and Geo-Thermal
  - Also accelerated by District Heating

- Wind Power
  - Considered part of Provincial energy planning

CEP Basis for Accelerated Implementation
Efficiency & DH & PV
Site Energy Capita (at the meter)
Efficiency & DH & PV Source Energy / Capita (fuel)

Windsor's COMMUNITY ENERGY PLAN a powerful plan for the future

Scenario 3: Efficiency Option 1, 90 MW PV, Including DH: Source Energy by Sector - CEP Windsor - 2014 to 2041

- Transport
- Industry
- Buildings
- Homes

Municipal

CEP

Graph showing source energy per capita by sector from 2014 to 2041.
Results - Emissions

Emissions Target Challenging

Scenario 3: Efficiency Option 1, 90 MW PV, Including DH: GHG by Sector - CEP Windsor - 2014 to 2041

- Decreasing GHG-Index Electricity
- Constant GHG-Index Gas

GHG Emissions in 1,000 metric tons per year

- Residential
- Commercial/Institutional
- Industrial
- Municipal
- Transportation
- Base Case Total


Target: 2014, 2030, CEP, 2050
Results – Utility Cost

Lower Range

Scenario 3: Efficiency Option 1, 90 MW PV, Including DH: Cost by Utility - CEP Windsor - 2014 to 2041

$8.6 Billion Total Savings

Draft data subject to revision
Results – Utility Cost
Higher Range

$12.4 Billion Total Savings

Draft data subject to revision
Preliminary Conclusions

- Annual energy costs savings between $650 and $1Bn
- Major internalization of energy value with local employment and local energy services
- District Heating expansions builds on existing strengths
- Efficiency, DH and PV combined have major impact
  - 29% source energy efficiency below 2014
  - 28% emission reduction below 2014 levels
  - 37% emissions reduction below 1990 levels
- Pathways exist to close gap to Provincial GHG target

Basis of Powerful Plan for the Future
Thank You!

Karina Richters  
City of Windsor  
(519)-253-7111 x3226  
krichters@citywindsor.ca

Susan Hall  
Lura Consulting  
416-886-8205  
shall@lura.ca
City of Windsor CEP Baseline
Utility Energy-Fuel: 55M GJ

2014 Fuel Use by Utility

- Diesel: 2.0%
- Gasoline: 18%
- Gas: 36%
- Electricity: 44%

264 GJ for each Resident
City of Windsor CEP Baseline Customer Energy Use – 55M GJ

2014 Energy Use by Sector

- Transportation: 18%
- Residential End-Use: 17%
- Commercial/Institutional End-Use: 18%
- Industrial End-Use: 17%
- Municipal: 1%
- Industrial Conversion Losses: 10%
- Residential Conversion Losses: 7%
- About 30% Conversion Loss
November 16, 2016

Averil Parent
Windsor Essex County Environment Committee
aparent@citywindsor.ca

Dear Ms. Parent:

RE: Notice of Design and Construction Report Submission (G.W.P. 3028-14-00)
New Structures at the Western Terminus of Highway 401 (the Rt. Hon. Herb Gray Parkway)
Detail Design and Class Environmental Assessment Study
Ontario Ministry of Transportation

Highway 401 (the Rt. Hon. Herb Gray Parkway (the Parkway)) is Ontario’s access road portion of a new end-to-end border transportation system between Windsor, Ontario and Detroit, Michigan. AECOM Canada Ltd. has been retained by the Ontario Ministry of Transportation (MTO) to undertake a Detail Design and Class Environmental Assessment (EA) study for new structures (one eastbound and one westbound) at the western terminus of Highway 401 (the Parkway). The project limits are located in the City of Windsor; refer to the enclosed Notice of Design and Construction Report Submission.

The structures (collectively referred to as Bridge B-1) will cross over Ojibway Parkway, the Essex Terminal Railway (ETR), and the Perimeter Access Road (PAR) and connect to the future Canadian Inspection Plaza for the Gordie Howe International Bridge. The new structures were addressed under the Individual Environmental Assessment undertaken for the Detroit River International Crossing (DRIC) study which was approved in 2009. In fall 2015, the project proceeded to Detail Design.

This project is following the approved planning process for a Group ‘A’ project under the MTO Class EA for Provincial Transportation Facilities (2000), with the opportunity for public input throughout the project. A Public Information Centre was held on December 15, 2015 to provide interested parties with the opportunity to discuss the project and to provide input to the Project Team.

A Design and Construction Report (DCR) has been prepared and is available for a 30-day review period. The DCR documents the study process, design details, consultation undertaken throughout the study, construction staging, and potential environmental impacts and mitigation measures.

The DCR is available for a 30-day public review period commencing November 18, 2016 and ending December 19, 2016. The DCR may be viewed at several locations throughout the study area as listed in the enclosed Notice of Design and Construction Report Submission. Interested persons are encouraged to review the DCR and provide comments by December 19, 2016.

Comments are being collected to assist MTO in meeting the requirements of the Ontario Environmental Assessment Act. This material will be maintained on file for use during the project and may be included in project documentation. Information collected will be used in accordance with the Freedom of Information and Protection of Privacy Act. With the exception of personal information, all comments will become part of the public record.

APPENDIX "B"
If you have any accessibility requirements in order to participate in this project, please contact one of the Project Team members listed on the enclosed Notice of Design and Construction Report Submission.

If you would like to provide comments, or if you require further information regarding this project, please feel free to contact me by phone at 905-882-4401 ext.1865 or email at chris.schueler@aecom.com.

Sincerely,

AECOM

[Signature]

Christopher Schueler, P.Eng.
Senior Project Manager

cc.  
D. Regan  -MTO Senior Project Manager
J. Foster  -MTO Head Environmental
J. Charlton -MTO Environmental Planner
M. Alam   -AECOM Deputy Project Manager
H. Wright -AECOM, Senior Environmental Planner
M. Raffoul-AECOM, Environmental Planner

Encl. Notice of Design and Construction Report Submission
THE PROJECT

Highway 401 (the Rt. Hon. Herb Gray Parkway) is Ontario's access road portion of a new end-to-end border transportation system between Windsor, Ontario and Detroit, Michigan.

AECOM Canada Ltd. has been retained by the Ontario Ministry of Transportation (MTO) to undertake a Design and Class Environmental Assessment (EA) study for new structures (one eastbound and one westbound) at the western terminus of Highway 401 (the Parkway). The project limits are located in the City of Windsor.

The structures (collectively referred to as Bridge B-1) will cross over Ojibway Parkway, the Essex Terminal Railway (ETR), and the Perimeter Access Road (PAR) and connect to the future Canadian Inspection Plaza for the Gordie Howe International Bridge. The new structures were addressed under the Individual Environmental Assessment undertaken for the Detroit River International Crossing (DRIC) study which was approved in 2009. In fall 2015, the project proceeded to Design.

RECOMMENDED PLAN

Key details of the Recommended Plan include:
- Construction of two structures (three span, four lanes in each direction) and the east approach;
- Full illumination (conventional lighting) for the structures and the east approach;
- Underpass illumination of Bridge B-1;
- Continuation of the Advanced Traffic Management System components from the east of Bridge B-1 to the west;
- Installation of overhead sign(s), as required;
- Installation of retaining walls;
- Protection and mitigation of existing utilities;
- Drainage improvements; and,
- Landscaping.

In order to carry out the above works, temporary off-peak hour lane closures of Ojibway Parkway will be required and some off-peak hour full closures of Ojibway Parkway may occur. During peak hours the existing number of lanes on Ojibway Parkway will be maintained.

PROCESS

This project is following the approved planning process for a Group 'A' project under the MTO Class EA for Provincial Transportation Facilities (2000), with the opportunity for public input throughout the project. A Public Information Centre was held on December 15, 2015 to provide interested parties with the opportunity to discuss the project and to provide input to the Project Team.

A Design and Construction Report (DCR) has been prepared and is available for a 30-day review period. The DCR documents the study process, design details, consultation undertaken throughout the study, construction staging, and potential environmental impacts and mitigation measures.

The DCR is available for a 30-day public review period commencing November 18, 2016 at the following locations:

<table>
<thead>
<tr>
<th>City of Windsor - Clerk’s Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>350 City Hall Square West</td>
</tr>
<tr>
<td>Windsor, ON N9A 8S1</td>
</tr>
<tr>
<td>Monday to Friday: 8:30 a.m. to 4:30 p.m.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>County of Essex - Clerk’s Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>360 Fairview Avenue West, Suite 202</td>
</tr>
<tr>
<td>Essex, ON N8M 1Y3</td>
</tr>
<tr>
<td>Monday to Friday: 9:00 a.m. to 4:30 p.m.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Ministry of the Environment and Climate Change - Windsor Area Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>4510 Rhodes Drive, Unit 620, Windsor, ON N8W 5K5</td>
</tr>
<tr>
<td>(519) 948-1464, 1-800-387-9326</td>
</tr>
<tr>
<td>Monday to Friday: 8:30 a.m. to 4:00 p.m.</td>
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<thead>
<tr>
<th>Ministry of the Environment and Climate Change - Southwest Region Office</th>
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<tbody>
<tr>
<td>733 Exeter Road, London, ON N6E 1L3</td>
</tr>
<tr>
<td>(519) 873-5000, 1-800-265-7672</td>
</tr>
<tr>
<td>Monday to Friday: 8:30 a.m. to 5:00 p.m.</td>
</tr>
</tbody>
</table>

COMMENTS

Interested persons are encouraged to review this document and provide comments by December 19, 2016. To obtain additional information or to provide comments, please contact:

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Comments are being collected to assist MTO in meeting the requirements of the Ontario Environmental Assessment Act. This material will be maintained on file for use during the project and may be included in project documentation. Information collected will be used in accordance with the Freedom of Information and Protection of Privacy Act. With the exception of personal information, all comments will become part of the public record. If you have any accessibility requirements in order to participate in this project, please contact one of the Project Team members listed above.

Pour obtenir des renseignements en français, composer le 905-882-4401, poste 1854 (Karen Cooper), Courriel: karen.cooper@aecom.com