

Regional Municipality Of Waterloo

Planning and Works Committee

Minutes

Tuesday, June 14, 2016

11:31 a.m.

Council Chamber

150 Frederick Street, Kitchener, Ontario

Present were: Chair T. Galloway, L. Armstrong, E. Clarke, D. Craig , S. Foxton, H. Jowett, K. Kiefer, G. Lorentz, J. Nowak, K. Redman, *K. Seiling, and S. Shantz

Members absent: D. Jaworsky, J. Mitchell, S. Strickland, and B. Vrbanovic

Chair T. Galloway briefly highlighted the significant transit announcement that was made by Premier Wynne earlier in the morning regarding additional GO Train and bus service to the Region as well as \$43 million towards the multi-modal transit hub.

Declarations Of Pecuniary Interest Under The Municipal Conflict Of Interest Act

None declared.

*K. Seiling entered the meeting at 11:37 a.m.

Delegations

Karen Wilson and Emily Adams appeared before Committee to highlight the issue of pedestrians crossing on Church Street West in Elmira. They asked that additional safety measures be implemented on Church Street before the school opens in September. They explained that approximately 235 students will have to cross Church Street and highlighted the school is promoting a healthy and active lifestyle which includes walking to school. K. Wilson described the location of the new school and its surrounding area explaining that visibility is poor and that speed limits change in that area. They asked that a level 2 pedestrian crossover be considered at a minimum and

noted that would be consistent with the pedestrian crossovers at the adjacent roundabouts.

Thomas Schmidt, Commissioner, Transportation and Environmental Services highlighted that a traffic study has been ongoing for the last 8 to 9 weeks to look at crossing at the location and a meeting is scheduled for later in the week with the school board and the township to discuss the findings of that study. It was stated that a crossing guard will be at that location and studies prove that crossing guards are the safest for students to cross. T. Schmidt did point out if the study indicates that a level 2 pedestrian crossover is warranted it would be installed by September.

A Committee member expressed her concern with the safety of the students and having nothing in place for the start of the school year.

T. Schmidt noted that staff can bring a report forward to the August meeting on the outcome of the study and what the plan is for September and that staff will continue to monitor and make appropriate changes.

A Committee member sought clarification on the budget/process of installing lights at that location. Staff advised that if lights were warranted it would be part of the base budget.

It was suggested that an update be made at the next Council meeting regarding this issue.

Request to Remove Items From Consent Agenda

S. Shantz asked for clarification on the fees in report PDL-CPL-16-30, Authorization for Farm Crossing Agreements on the Kissing Bridge Trailway.

Debra Arnold, Regional Solicitor provided clarification on the fees stating there is a one time fee of \$250 that will last for 5 years.

Motion To Approve Items Or Receive for Information

Moved by E. Clarke

Seconded by K. Redman

That the following items be approved:

- That the Region of Waterloo accept PDL-CPL-16-29, Monthly Report of Development Activity for May 2016.

- That the Regional Municipality of Waterloo, in concert with the Corporation of the County of Wellington, take the following actions with respect to the Kissing Bridge Trailway as detailed in Report PDL-CPL-16-30, dated June 14, 2016:
 - a) Support Regional staff in working with landowners having farm properties on both sides of the Kissing Bridge Trailway to identify and design appropriate crossing locations for farm equipment and livestock;
 - b) Authorize the Commissioner, Planning, Development and Legislative Services to execute licensing agreements with landowners and the Corporation of the County of Wellington to the satisfaction of the Province of Ontario and the Regional Solicitor; and
 - c) Amend the Fees and Charges By-law 16-001 to provide for fees of \$50 plus disbursements for agreements with terms ending on August 31st, 2017 and fees of \$250 plus disbursements thereafter for the preparation of licencing agreements with a 5-year term, related to usage of the lands leased from the Province comprising the Kissing Bridge Trailway.

Carried

And that the following items be received for information:

- PDL-CPL-16-31, Eighteenth Annual Report of the Kissing Bridge Trailway Advisory Committee for 2015

Regular Agenda Resumes

Reports – Transportation and Environmental Services

Waste Management

- a) TES-WMS-16-05, Waste Management Master Plan Update – Completion of Thermal Treatment and Energy Recovery for Residual Waste Management Feasibility Study.

Jon Arsenault, Director, Waste Management introduced Mark Sungaila, SLR Consulting (Canada) Ltd.

M. Sungaila, provided a [presentation](#) that is appended to the original minutes. He highlighted the Waste Management Master Plan Review, Energy from Feasibility Study, Aspects and Technologies Evaluated, Evaluation Criteria, Results, Conclusions, Opportunities and Recommendations.

In response to a member's question about using the energy for fleet management M. Sungailia stated that fleet management was not looked at during the study. He also provided clarification on the graph impact on waste to electricity.

J. Arsenault, stated staff is deferring the decision to move forward with garbage incineration at this time because of changing environment policy and legislation including continued focus on diversion. He highlighted with 15-20 years life span left on the landfill it allows time to look at different technologies.

Moved by K. Redman

Seconded by E. Clarke

That the Regional Municipality of Waterloo undertake the following actions with respect to the management of residual waste:

- a) Take no further action related to pursuing Energy from Waste (EfW) for residual waste management at this time;
- b) Direct staff to continue discussions regarding residual waste management and waste diversion programs with the Intermunicipal Working Group (IMWG); and

Direct staff to report back to Planning and Works Committee regarding the remaining site life at the Waterloo Landfill and the state of the EfW industry in 3 years.

Carried

Reports – Planning, Development and Legislative Services

- b) PDL-CPL-16-32, Adoption of the Greenlands Network Implementation Guideline

Rob Horne, Commissioner, Planning, Development and Legislative Services introduced the report and provided brief comments explaining that the implementation guidelines is not a new policy and is proposed to serve as a guide for the preparation of Environmental Impact Statements affecting Core Environmental Features.

Moved by H. Jowett

Seconded by S. Foxton

That the Regional Municipality of Waterloo approve the Greenlands Network Implementation Guideline to implement the environmental planning policies of the Regional Official Plan pursuant to Policy 10.B.9, as described in Report PDL-CPL-16-32, dated June 14, 2016.

Carried

Interdepartmental Reports

- c) TES-TRP-16-04/PDL-CPL-16-33, Chicopee Hills Traffic Control Review and Proposed Amendment to Controlled Access By-law #58-87

Chair Galloway sought clarification regarding the Region's involvement in the School Board's decision on new sites. R. Horne advised that school site selection process involves the Region through a coordinating committee but since most detail land use planning is done at the local level the decisions and/or directions are done mostly on those detail plans. He stated the Region's main points of input are on Regional Roads and Grand River Transit.

Moved by G. Lorentz

Seconded by S. Foxton

That the Regional Municipality of Waterloo amend the Region's Traffic and Parking By-law 06-072, as amended, to add to Schedule 10, a Level 2 Pedestrian Crossover (PXO) on Lackner Boulevard at its intersection with Corfield Drive in the City of Kitchener, as described in Report No. TES-TRP-16-04/PDL-CPL-16-33, dated June 14, 2016;

And that the Regional Municipality of Waterloo approve an amendment to the Controlled Access By-law #58-87 for an access on the east side of Lackner Boulevard (Regional Road 54), approximately 170 metres north of Fairway Road (Regional Road 53).

Carried

Reports – Transportation and Environmental Services

Design and Construction

- d) TES-DCS-16-12.1, Class Environmental Assessment Study Bridgeport Road/Caroline Street from King Street to Erb Street and Erb Street from King Street to Caroline Street, City of Waterloo

A motion was brought forward to defer the report until the next Council meeting as no Waterloo Councillors were in attendance.

Moved by G. Lorentz

Seconded by L. Armstrong

That the Regional Municipality of Waterloo defer TES-DCS-16-12.1, Class Environmental Assessment Study Bridgeport Road/Caroline Street from King Street to Erb Street and Erb Street from King Street to Caroline Street, City of Waterloo to the next Council meeting on Wednesday, June 22, 2016.

Carried

- e) TES-DCS-16-13, Contract 2016-126, Westmount Road North (Regional Road 50) Retaining Wall Replacement at University Avenue, City of Waterloo - Approval of Additional Contract Expenditure

Moved by K. Redman

Seconded by G. Lorentz

That the Regional Municipality of Waterloo approve an additional contract expenditure of \$555,000 on Contract 2016-126 (Westmount Road Retaining Wall Replacement at University Avenue, City of Waterloo) to extend the length of the proposed retaining wall to accommodate a future multi-use trail.

Carried

- f) TES-DCS-16-14, Consultant Selection – Preliminary Design, Public Consultation, Detailed Design, Contract Administration and Construction Inspection Services for Proposed Improvements on Westmount Road (South of Victoria Street to Glasgow Street) and on Victoria Street (Lawrence Avenue to Fischer-Hallman Road) City of Kitchener

A member inquired about the bottleneck on Victoria Street and asked when that will be resolved. Steve van De Keere, Director, Transportation, advised that currently there is no plans for widening in the future but did state the new master plan may address that issue.

Moved by K. Seiling

Seconded by S. Shantz

That the Regional Municipality of Waterloo enter into a Consultant Services Agreement with Associated Engineering Ltd. of Kitchener, Ontario to provide consulting engineering services for preliminary design, public consultation, detailed design, contract administration and construction inspection services for proposed improvements on Westmount Road (South of Victoria Street to Glasgow Street) and on Victoria Street (Lawrence Avenue to Fischer-Hallman Road), City of Kitchener at an upset limit of

\$637,680.00 plus applicable taxes for the preliminary design and detailed design phases, with contract administration and construction inspection to be paid on a time basis in an estimated amount of \$380,000.00 as described in Report TES-DCS-16-14 dated June 14, 2016.

Carried

- g) TES-DCS-16-15, C2016-08, Consultant Selection – Detailed Design and Services during Construction for the New Hamburg Wastewater Treatment Plant Upgrades

A member asked when is the completion date. Phil Bauer, Director, Design and Construction noted completion is fall 2019.

Moved by L. Armstrong

Seconded by K. Kiefer

That the Regional Municipality of Waterloo enter into an Agreement for Professional Consulting Services with Stantec Consulting Ltd., to provide engineering services during the detailed design and services during construction for the New Hamburg Wastewater Treatment Plant (WWTP) Upgrades, the Township of Wilmot, at an upset fee limit of \$1,510,624.00 plus applicable taxes.

Carried

- h) PDL-LEG-16-27, Authorization to Expropriate Lands (2nd Report) for Franklin Blvd Improvements (Regional Road 36) Project – Year 2 North (200m North of Clyde Road to 200m North of Avenue Road) and Year 2 South (125m South of Champlain Boulevard to 200m South of Main Street), in the City of Cambridge

Moved by K. Redman

Seconded by K. Seiling

That Council of the Regional Municipality of Waterloo approve the expropriation of lands for the purpose of reconstruction of Franklin Boulevard from 200m North of Clyde Road to 200m North of Avenue Road (Year 2 North), and from 125m South of Champlain Boulevard to 200m South of Main Street (Year 2 South), in the City of Cambridge, in the Region of Waterloo as detailed in Report PDL –LEG -16-27 dated June 14, 2016, described as follows:

Fee Simple Partial Taking:

- i. Part of Lot 7, Concession 12, being Parts 44, 53, 54 and 55 on 58R-18803
2154446

- ii. (Part of PIN 22656-0164 (LT)) (265 Avenue Road, City of Cambridge);
Part of Lot 7, Concession 12, being Parts 40, 41 and 42 on 58R- 18803 (Part of PIN 03813-0012 (LT)) (800 Franklin Boulevard, City of Cambridge);
- iii. Part of Lot 7, Concession 12, being Parts 27, 28, 29 and 30 on 58R- 18803 (Part of PIN 03813-0013 (LT)) (710 Franklin Boulevard, City of Cambridge);
- iv. Part of Lot 7, Concession 12, being Parts 23, 24, 25 and 26 on 58R- 18803 (Part of PIN 03813-0014 (LT)) (700 Franklin Boulevard, City of Cambridge);
- v. Part of Lot 7, Concession 12, being Part 22 on 58R- 18803 (Part of PIN 03813-0015 (LT)) (692-696 Franklin Boulevard, City of Cambridge);
- vi. Part of Lot 7, Concession 12, being Part 21 on 58R- 18803 (Part of PIN 03813-0016 (LT)) (686 Franklin Boulevard, City of Cambridge);
- vii. Part of Lot 15, Registered Plan 648, being Part 19 on 58R- 18803 (Part of PIN 03813-0100 (LT)) (654 Franklin Boulevard, City of Cambridge);
- viii. Part of Lot 15, Registered Plan 648, being Part 18 on 58R- 18803 (Part of PIN 03813-0101 (LT)) (650 Franklin Boulevard, City of Cambridge);
- ix. Part of Lot 15, Registered Plan 648, being Part 17 on 58R- 18803 (Part of PIN 03813-0102 (LT)) (2 Athlone Road, City of Cambridge);
- x. Part of Lot 1, Registered Plan 648, being Part 3 on 58R- 18800 (Part of PIN 03813-0120 (LT)) (1 Athlone Road, City of Cambridge);
- xi. Part of Lot 15, Registered Plan 1415, being Part 56 on 58R- 18803 (Part of PIN 22657-0225 (LT)) (111 Bayne Crescent, City of Cambridge);
- xii. Part of Lot 14, Registered Plan 1415, being Parts 58 and 61 on 58R- 18803 (Part of PIN 22657-0227 (LT)) (107 Bayne Crescent, City of Cambridge);
- xiii. Part of Lot 1, Registered Plan 1498, being Part 16 on 58R- 18803 (Part of PIN 03825-0059 (LT)) (4 Hilborn Avenue, City of Cambridge);
- xiv. Part of Lot 6, Registered Plan 609, being Part 13 on 58R- 18803 (Part of PIN 03825-0055 (LT)) (657 Franklin Boulevard, City of Cambridge);
- xv. Part of Lot 10, Registered Plan 609, being Part 1 on 58R- 18803 (Part of PIN 03825-0007 (LT)) (721 Franklin Boulevard, City of Cambridge);
- xvi. Part of Block E, Registered Plan 1368, being Parts 5 and 6 on 58R- 18802 (Part of PIN 22673-0017 (LT)) (Land on SW Franklin Boulevard and Champlain Boulevard, City of Cambridge);
- xvii. Part of Lot 5, Concession 10, being Parts 6 and 11 on 58R- 18801 (Part of PIN 03824-0099 (LT)) (200 Franklin Boulevard, City of Cambridge);
- xviii. Part of Lot 1, Registered Plan 1433, being Part 4 on 58R- 18802 (Part of PIN 22674-0063 (LT)) (551 Champlain Boulevard, City of Cambridge);

- xix. Part of Lot 5, Concession 10, being Parts 2 and 3 on 58R- 18801 (Part of PIN 03843-0008 (LT)) (330 Dundas Street South, City of Cambridge);
- xx. Part of Block 38, Registered Plan 58M-241, being Parts 14, 15 and 18 on 58R- 18801 (Part of PIN 03845-0520 (LT)) (205, 225 & 235 Franklin Boulevard and 311 Dundas Street South, City of Cambridge);
- xxi. Part of Lot 8, Registered Plan 1434, being Parts 1, 2 and 3 on 58R- 18802 (Part of PIN 03843-0042 (LT)) (550 Champlain Boulevard, City of Cambridge);

Permanent Easement - Drainage:

The right and easement, being an easement in gross, for itself, its successors and assigns and anyone authorized by it, in perpetuity to, at any time enter upon the following properties for purposes of constructing, installing, maintaining, inspecting, altering, moving, replacing, reconstructing, enlarging and repairing, as applicable, pipes, catch basins, swales, ditches and other works and appurtenances thereto for the purpose of the transfer or transmission and management of storm water, both above and below the ground and for every such purpose and for all purposes necessary or incidental to the exercise of the rights hereby created, through, over, upon, along and across the lands, and for all such purposes together with the free, unimpeded and unobstructed access for itself, its successors and assigns, servants, agents, contractors, workmen and anyone authorized by it, and vehicles, supplies and equipment at all times and for all purposes and things necessary for or incidental to the exercise and enjoyment of the right and easement:

- xxii. Part of Lot 7, Concession 12, being Parts 51 and 52 on 58R-18803 (Part of PIN 22656-0164 (LT)) (265 Avenue Road, City of Cambridge);
- xxiii. Part of Lot 7, Concession 12, being Part 64 on 58R- 18803 (Part of PIN 03813-0014 (LT)) (700 Franklin Boulevard, City of Cambridge);
- xxiv. Part of Lot 1, Registered Plan 648, being Part 2 on 58R- 18800 (Part of PIN 03813-0119 (LT)) (640 Franklin Boulevard, City of Cambridge);
- xxv. Part of Lot 4, Registered Plan 609 and Part of Block 76 Registered Plan 1498, being Part 1 on 58R- 18800 (Part of PIN 03825-0132 (LT)) (639 Franklin Boulevard, City of Cambridge);
- xxvi. Part of Block 38, Registered Plan 58M-241, being Part 23 on 58R- 18801 (Part of PIN 03845-0520 (LT)) (205, 225 & 235 Franklin Boulevard and 311 Dundas Street South, City of Cambridge);

Permanent Easement – Retaining Wall Maintenance:

The right and easement, being an easement in gross, for itself, its successors and assigns and anyone authorized by it, in perpetuity to, at any time enter upon the following properties for purposes of constructing, installing, maintaining, inspecting, altering, moving, replacing, reconstructing, enlarging and repairing, as applicable, a retaining wall, noise barrier and/or fence, through, over, upon, along

and across the lands, and for all such purposes together with the free, unimpeded and unobstructed access for itself, its successors and assigns, servants, agents, contractors, workmen and anyone authorized by it, and vehicles, supplies and equipment at all times and for all purposes and things necessary for or incidental to the exercise and enjoyment of the right and easement:

- xxvii. Part of Lot 10, Registered Plan 609, being Part 2 on 58R- 18803 (Part of PIN 03825-0007 (LT)) (721 Franklin Boulevard, City of Cambridge);
- xxviii. Part of Lot 5, Concession 10, being Parts 7, 9 and 10 on 58R- 18801 (Part of PIN 03824-0099 (LT)) (200 Franklin Boulevard, City of Cambridge);

Permanent Easement – Hydro Aerial:

The right and easement, being an easement in gross, for itself, its successors and assigns and anyone authorized by it, in perpetuity to, at any time enter upon the following properties for purposes of constructing, installing, inspecting, repairing, altering, enlarging, replacing, correcting, operating, and maintaining aerial hydro installations and infrastructure overhead, including cables, pipes, conduits of all kinds, all appurtenances thereto, and maintaining required clearance areas for same, herein referred to as the aerial utility plant, which may be determined necessary from time to time through, over, upon, along and across the lands, and for all such purposes together with the free, unimpeded and unobstructed access for itself, its successors and assigns, servants, agents, contractors, workmen and anyone authorized by it, and vehicles, supplies and equipment at all times and for all purposes and things necessary for or incidental to the exercise and enjoyment of the right and easement:

- xxix. Part of Lot 7, Concession 12, being Parts 47, 50 and 52 on 58R-18803 (Part of PIN 22656-0164 (LT)) (265 Avenue Road, City of Cambridge);
- xxx. Part of Lot 7, Concession 12, being Parts 35, 36, 37, 38, and 39 on 58R-18803 (Part of PIN 03813-0012 (LT)) (800 Franklin Boulevard, City of Cambridge);
- xxxi. Part of Lot 7, Concession 12, being Parts 31, 32, 33 and 34 on 58R-18803 (Part of PIN 03813-0013 (LT)) (710 Franklin Boulevard, City of Cambridge);
- xxxii. Part of Lot 14, Registered Plan 1415, being Parts 59 and 60 on 58R-18803 (Part of PIN 22657-0227 (LT)) (107 Bayne Crescent, City of Cambridge);
- xxxiii. Part of Lot 1, Registered Plan 1498, being Part 15 on 58R- 18803 (Part of PIN 03825-0059 (LT)) (4 Hilborn Avenue, City of Cambridge);
- xxxiv. Part of Lot 10, Registered Plan 609, being Part 6 on 58R- 18803 (Part of PIN 03825-0007 (LT)) (721 Franklin Boulevard, City of Cambridge);
- xxxv. Part of Lots 13 and 14, Registered Plan 1415, being Parts 62 and 63 on 58R- 18803 (Part of PIN 22657-0228 (LT)) (103 Bayne Crescent, City of

- Cambridge);
- xxxvi. Part of Block E, Registered Plan 1368, being Parts 7, 8, and 11 on 58R-18802 (Part of PIN 22673-0017 (LT)) (Land on SW Franklin Boulevard and Champlain Boulevard, City of Cambridge);
- xxxvii. Part of Lot 5, Concession 10, being Part 8 on 58R- 18801 (Part of PIN 03824-0099 (LT)) (200 Franklin Boulevard, City of Cambridge);
- xxxviii. Part of Block 38, Registered Plan 58M-241, being Parts 19, 22 and 23 on 58R- 18801 (Part of PIN 03845-0520 (LT)) (205, 225 & 235 Franklin Boulevard and 311 Dundas Street South, City of Cambridge);

Permanent Easement – Hydro Anchor:

The right and easement, being an easement in gross, for itself, its successors and assigns and anyone authorized by it, in perpetuity to, at any time enter upon the following properties for purposes of constructing, laying down, installing, inspecting, repairing, altering, enlarging, replacing, correcting, operating, and maintaining hydro installations and infrastructure, both under ground and overhead, including cables, pipes, conduits of all kinds, all necessary poles, supporting wires and braces and other equipment and appurtenances thereto, herein referred to as the utility plant, which may be determined necessary from time to time through, over, upon, along and across the lands, and for all such purposes together with the free, unimpeded and unobstructed access for itself, its successors and assigns, servants, agents, contractors, workmen and anyone authorized by it, and vehicles, supplies and equipment at all times and for all purposes and things necessary for or incidental to the exercise and enjoyment of the right and easement:

- xxxix. Part of Lot 7, Concession 12, being Parts 43, 45, 46,48 and 49 on 58R-18803 (Part of PIN 22656-0164 (LT)) (265 Avenue Road, City of Cambridge);
- xl. Part of Lot 6, Registered Plan 609, being Part 14 on 58R- 18803 (Part of PIN 03825-0518 (LT)) (647 Franklin Boulevard, City of Cambridge);
- xli. Part of Lot 10, Registered Plan 609, being Parts 4 and 5 on 58R- 18803 (Part of PIN 03825-0007 (LT)) (721 Franklin Boulevard, City of Cambridge);
- xlii. Part of Lot 10, Registered Plan 609, being Part 7 on 58R- 18803 (Part of PIN 03825-0008 (LT)) (711 Franklin Boulevard, City of Cambridge);
- xliii. Part of Block E, Registered Plan 1368, being Parts 9 and 10 on 58R-18802 (Part of PIN 22673-0017 (LT)) (Land on SW Franklin Boulevard and Champlain Boulevard, City of Cambridge);
- xliv. Part of Lot 5, Concession 10, being Part 1 on 58R- 18801 (Part of PIN 03843-0286 (LT)) (350 Dundas Street South, City of Cambridge);
- xlv. Part of Block 38, Registered Plan 58M-241, being Parts 12, 13, 16, 17, 20 and 21 on 58R- 18801 (Part of PIN 03845-0520 (LT)) (205, 225 & 235

Franklin Boulevard and 311 Dundas Street South, City of Cambridge);

Temporary Easement – Hydro Anchor:

The right and easement, being a temporary easement in gross, for the free and unobstructed, right, interest and easement terminating on the 31st day of December, 2018, for itself, its successors and assigns, and anyone authorized by it, on over, under and through the following property for the purposes of constructing, laying down, installing, inspecting, repairing, altering, enlarging, replacing, correcting, operating, and maintaining hydro installations and infrastructure, both under ground and overhead, including cables, pipes, conduits of all kinds, all necessary poles, supporting wires and braces and other equipment and appurtenances thereto, herein referred to as the utility plant, which may be determined necessary from time to time through, over, upon, along and across the lands, and for all such purposes together with the free, unimpeded and unobstructed access for itself, its successors and assigns, servants, agents, contractors, workmen and anyone authorized by it, and vehicles, supplies and equipment at all times and for all purposes and things necessary for or incidental to the exercise and enjoyment of the right and easement:

Xlviii Part of Lot 10, Registered Plan 609, being Part 3 on 58R-18803 (Part of PIN 03825-0007 (LT)) (721 Franklin Boulevard, City of Cambridge);

And that staff be instructed to register a Plan of Expropriation for the property within three months of the granting of the approval to expropriate the property, as required by the *Expropriations Act*;

And that the registered owners be served with a Notice of Expropriation and a Notice of Possession for the property after the registration of the Plan of Expropriation and the Regional Solicitor is authorized to take any and all actions required to enforce such Notices including but not limited to any application pursuant to Section 40 of the *Expropriations Act*;

And that all above-referenced fee simple partial takings situated adjacent to an existing Regional public highway be acquired for road widening purposes and therefore be deemed to form part of the adjacent public highway in accordance with subsection 31(6) of the Municipal Act, 2001, S. O. 2001, c.25;

And that if no agreement as to compensation is made with an owner, the statutory Offer of Compensation and payment be served upon the registered owners of the property in the amount of the market value of the interests in the land as estimated by the Region's appraiser in accordance with the *Expropriations Act*;

And Further That the Regional Solicitor be authorized to discontinue expropriation proceedings or any part thereof, in respect of the above described lands, or any part thereof, upon the registration on title of the required documentation to complete the 2154446

transaction or if determined by the Commissioner of Transportation and Environmental Services that such lands, or any part or interest thereof, are not required for the subject Project.

Carried

- i) PDL-LEG-16-45, Authorization To Expropriate Lands (1st Report) for improvements to Fountain Street (Regional Road 17) City of Cambridge from Kossuth Road / Fairway Road to Cherry Blossom Road (Phase 1)

Moved by S. Foxton

Seconded by G. Lorentz

That The Regional Municipality of Waterloo direct and authorize the Regional Solicitor to take the following actions with respect to the expropriation of lands for the reconstruction of Fountain Street North, City of Cambridge, in the Region of Waterloo as detailed in report PDL-LEG-16-45 dated June 14, 2016:

1. Complete application(s) to the Council of the Regional Municipality of Waterloo, as may be required from time to time, for approval to expropriate land, which is required for the improvements to Fountain Street North and described as follows:

Fee Simple Partial Taking:

- a) Part Block 5, Plan 58M-302, being Part 4 on 58R-18928, part of PIN 22628-0148 (LT)(1090 Fountain Street North, City of Cambridge);
- b) Part Block 7, Plan 58M-302, being Parts 1 and 2 on 58R-18928, part of PIN 22628-0150 (LT)(1100 Fountain Street North, City of Cambridge);
- c) Part Lots 19 and 20, Beasley's Broken Front Concession, being Part 5, 58R-18928 and Part Lot 22, Beasley's Broken Front Concession, being Part 1, on 58R-18942, part of PIN 03755-0013 (LT)(1055-1065 Fountain Street North City of Cambridge)
- d) Part Lot 19, Beasley's Broken Front Concession, being Part 4, 58R-18938, part of PIN 22740-0034 (LT)(2150 Fountain Street North, City of Cambridge)
- e) Part Lot 19, Beasley's Broken Front Concession, being Parts 2, 3, 6, 7, 8, and 9, 58R-18938, part of PIN 22740-0051 (LT)(south west corner of Fountain Street and Allendale Road, City of Cambridge)
- f) Part Lot 19, Beasley's Broken Front Concession, being Part 1, 58R-18938 part of PIN 03755-0043 (LT)(1105 Fountain Street North City of Cambridge)

Temporary Easement Partial Taking:

2154446

- a) Part Block 7, Plan 58M-302, being Parts 7 and 8, 58R-18928, part of PIN 22628-0150 (LT)(1100 Fountain Street North, City of Cambridge);
 - b) Part Lot 19, Beasley's Broken Front Concession, being Part 5, 58R-18938, part of PIN 22740-0034 (LT)(2150 Fountain Street North, City of Cambridge);
2. Serve notices of the above application(s) required by the Expropriations Act;
 3. Forward to the Chief Inquiry Officer any requests for a hearing that may be received;
 4. Attend, with appropriate Regional staff, at any hearing that may be scheduled;
 5. Discontinue expropriation proceedings or any part thereof, in respect of the above described lands, or any part thereof, upon the registration on title of the required documentation to complete a transaction whereby the required interests in the lands are conveyed or if determined by the Commissioner of Transportation and Environmental Services that such lands, or any part or interest thereof, are not required for the subject project; and
 6. Do all things necessary and proper to be done, and report thereon to Regional Council in due course.

Carried

Transit Services

- j) TES-TRS-16-14, Electronic Fare Management System

In response to a member's inquiry, Eric Gillespie, Director, Transit Services advised that the card system will have the adaptability to move towards an electronic purse through a smart phone.

Received for Information.

- k) TES-TRS-16-15, Family and Children's Services Transit Update

Received for Information

Transportation

- l) TES-TRP-16-13, Traffic Control Signals on Westmount Road (Regional Road 50) and Union Boulevard, in the City of Kitchener

Received for Information.

- m) TES-TRP-16-14, Proposed Level 2 Pedestrian Crossover Installation at All Roundabouts Under Regional Jurisdiction, in the Region of Waterloo

Moved by H. Jowett

Seconded by K. Redman

That the Regional Municipality of Waterloo amend Traffic and Parking By-law 06-072, as amended, to:

- a) Remove from Schedule 18, Rates of Speed, 80 km/h on Fischer-Hallman Road (Regional Road 58) from 375 metres south of Bleams Road (Regional Road 56) to 500 metres north of New Dundee Road (Regional Road 12);
- b) Remove from Schedule 18, Rates of Speed, 80 km/h northbound Arthur Street (Regional Road 85) from 1.2 km north of the Highway 85 Limit to 300 metres south of Listowel Road (Regional Road 85);
- c) Remove from Schedule 18, Rates of Speed, 80km/h southbound Arthur Street (Regional Road 85) from 1.4 km north of the Highway 85 Limit to 300 metres south of Listowel Road (Regional Road 85);
- d) Remove from Schedule 18, Rates of Speed, 80 km/h on Sawmill Road (Regional Road 17) from Arthur Street (Regional Road 85) to 330 metres west of Northfield Drive (Regional Road 22);
- e) Remove from Schedule 18, Rates of Speed, 70 km/h on Homer Watson Boulevard/Fountain Street (Regional Road 28) from 400 metres south of Block Line Road to 100 metres west of Preston Parkway;
- f) Remove from Schedule 18, Rates of Speed, 70km/h on Fountain Street (Regional Road 17) from Woolwich Street to Cherry Blossom Road;
- g) Remove from Schedule 18, Rates of Speed, 80 km/h on Kossuth Road (Regional Road 31) from Fountain Street (Regional Road 17) to Highway 24 (Regional Road 24);
- h) Remove from Schedule 18, Rates of Speed, 80 km/h on Fairway Road (Regional Road 53) from 50 metres east of Zeller Drive to Fountain Street (Regional Road 17);

- i) Remove from Schedule 18, Rates of Speed, 70 km/h on Highland Road (Regional Road 6) from 2760 metres east of Notre Dame Drive (Regional Road 12) to 50 metres west of Westheights Drive (Westerly Access);
- j) Add to Schedule 18, Rates of Speed, 60 km/h on Fischer-Hallman Road (Regional Road 58) from Activa Avenue to 400 metres south of Huron Road;
- k) Add to Schedule 18, Rates of Speed, 80 km/h on Fischer-Hallman Road (Regional Road 58) from 400 metres south of Huron Road to 500 metres north of New Dundee Road (Regional Road 12);
- l) Add to Schedule 18, Rates of Speed, 80 km/h northbound on Arthur Street (Regional Road 85) from 1.2 km north of the Highway 85 Limit to 400 metres south of Sawmill Road (Regional Road 17);
- m) Add to Schedule 18, Rates of Speed, 80 km/h southbound Arthur Street (Regional Road 85) from 1.4 km north of the Highway 85 Limit to 400 metres south of Sawmill Road (Regional Road 17);
- n) Add to Schedule 18, Rates of Speed, 60km/h on Arthur Street (Regional Road 85) from 400 metres south of Sawmill Road (Regional Road 17) to 400 metres north of sawmill Road (Regional Road 17);
- o) Add to Schedule 18, Rates of Speed, 80 km/h on Arthur Street (Regional Road 85) from 400 metres north of Sawmill Road (Regional Road 17) to 300 metres south of Listowel Road (Regional Road (Regional Road 85));
- p) Add to Schedule 18, Rates of Speed, 60 km/h on Sawmill Road (Regional Road 17) from Arthur Street to 400 metres east of Arthur Street (Regional Road 85);
- q) Add to Schedule 18, Rates of Speed, 80 km/h on Sawmill Road (Regional Road 17) from 400 metres east of Arthur Street to 330 metres west of Northfield Drive (Regional Road 22);
- r) Add to Schedule 18, Rates of Speed, 70 km/h on Homer Watson Boulevard/Fountain Street (Regional Road 28) from 400 metres south of Block Line Road to 400 metres west of Dickie Settlement Road (Regional Road 71);
- s) Add to Schedule 18, Rates of Speed, 60 km/h on Fountain Street (Regional Road 28) from 400 metres west of Dickie Settlement (Regional Road 71) to 100 metres west of Preston Parkway;
- t) Add to Schedule 18, Rates of Speed, 70 km/h on Fountain Street (Regional Road 2154446

- 28) from Woolwich Street to 400 metres north of Kossuth Road/Fairway Road (Regional Road 28);
- u) Add to Schedule 18, Rates of Speed, 60 km/h on Fountain Street (Regional Road 28) from 400 metres north of Kossuth Road/Fairway Road (Regional Road 31/Regional Road 53) to 400 metres south of Kossuth Road/Fairway Road (Regional Road 31/Regional Road 53);
 - v) Add to Schedule 18, Rates of Speed, 70 km/h on Fountain Street (Regional Road 28) from 400 metres south of Kossuth Road/Fairway Road (Regional Road 31/Regional Road 53) to Cherry Blossom Road;
 - w) Add to Schedule 18, Rates of Speed, 80km/h on Kossuth Road (Regional Road 31) to 400 metres east of Fountain Street (Regional Road 28) to Highway 24 (Regional Road 24);
 - x) Add to Schedule 18, Rates of Speed, 60km/h on Kossuth Road (Regional Road 31) from Fountain Street (Regional Road 28) to 400 metres east of Fountain Street (Regional Road 28);
 - y) Add to Schedule 18, Rates of Speed, 80km/h on Fairway Road (Regional Road 53) from 400 metres east of Zeller Drive to 400 metres west of Fountain Street (Regional Road 28);
 - z) Add to Schedule 18, Rates of Speed, on Fairway Road (Regional Road 53) from 400 metres west of Fountain Street (Regional Road 28) to Kossuth Road (Regional Road 31);
 - aa) Add to Schedule 18, Rates of Speed, 70km/h on Highland Road (Regional Road 6) from 2760 metres east of Notre Dame Drive (Regional Road 12) to 400 metres west of Ira Needles Boulevard (Regional Road 70);
 - bb) Add to Schedule 18, Rates of Speed, 60 km/h on Highland Road (Regional Road 6) from 400 metres west of Ira Needles Boulevard (Regional Road 70) to Westmount Road (Regional Road 50);
 - cc) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Bleams Road (Regional Road 56) and Manitou Drive (Regional Road 69) intersection;
 - dd) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Can-Amera Parkway (Regional Road 80) and Conestoga Boulevard intersection;
 - ee) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at 2154446

- the Erb Street (Regional Road 9) and Erbsville Road/Ira Needles Boulevard (Regional Road 70) intersection;
- ff) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Fairway Road (Regional Road 53) and Zeller Drive intersection;
 - gg) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Fischer-Hallman Road (Regional Road 58) and Huron Road intersection;
 - hh) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Fischer-Hallman Road (Regional Road 58) and Seabrook Drive intersection;
 - ii) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Fountain Street (Regional Road 28) and Dickie Settlement Road (Regional Road 71) intersection;
 - jj) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Fountain Street (Regional Road 28) and Blair Road/Morningside Drive intersection;
 - kk) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Fountain Street (Regional Road 17) and Kossuth Road/Fairway Road (Regional Road 31/Regional Road 53) intersection;
 - ll) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Franklin Boulevard (Regional Road 36) and Bishop Street (Regional Road 41 intersection);
 - mm) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Franklin Boulevard (Regional Road 36) and Sheldon Drive intersection;
 - nn) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Franklin Boulevard (Regional Road 36) and Savage Drive intersection;
 - oo) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Hespeler Road (Regional Road 24) and Beaverdale Road/Queen Street intersection;
 - pp) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Highland Road (Regional Road 6) and Ira Needles Boulevard (Regional Road 70) intersection;
 - qq) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Homer Watson Boulevard (Regional Road 28) and Block Line Road intersection;

- rr) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Ira Needles Boulevard (Regional Road 70) and Highview Drive/Trussler Road intersection;
- ss) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Ira Needles Boulevard (Regional Road 70) and The Boardwalk intersection;
- tt) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Lancaster Street (Regional Road 29) and the Bridge Street (Regional Road 52) intersection;
- uu) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Pinebush Road (Regional Road 39) and Thompson Drive/Tyler Street
- vv) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Sawmill Road (Regional Road 17) and Arthur Street (Regional Road 85) intersection;
- ww) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Townline Road (Regional Road 33) and Can-Amara Parkway (Regional Road 80) intersection
- xx) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the University Avenue (Regional Road 57) and Ira Needles Boulevard (Regional Road 70);
- yy) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Victoria Street (Regional Road 55) and Ira Needles Boulevard (Regional road 70) intersection; and
- zz) Add to Schedule 10, Level 2 Pedestrian Crossover, on All Entry and Exits at the Westmount Road (Regional Road 50) and Laurelwood Drive intersection.

Carried

- n) TES-TRP-16-15, Revised 2016 Transportation Base and System Expansion Capital Budget

Committee members expressed concerns with the deferral of River Road extension explaining the Environmental Assessment has been on the Ministers' desk for almost 2 years. P. Bauer advised that staff have answered all technical questions and no further information has been requested and that staff continue to follow up monthly on the status.

Chair Ken Seiling stated that he will meet with the Minister on this topic.

Moved by L. Armstrong

Seconded by S. Foxton

That the Regional Municipality of Waterloo approve the Revised 2016 Transportation Base and System Expansion Capital Budget as per Report TES-TRP-16-15 dated June 14, 2016.

Carried

Information/Correspondence

- a) Council Enquiries and Requests for Information Tracking List was received for information.

Other Business

- a) H. Jowett inquired about the delegated planning authority. R. Horne stated that will be coming forward to the Economic Development Committee on June 15, 2016.

Next Meeting – August 9, 2016

Adjourn

Moved by H. Jowett

Seconded by L. Armstrong

That the meeting adjourn at 12:52 p.m.

Carried

Committee Chair, T. Galloway

Committee Clerk, E. Flewwelling



Region of Waterloo

Energy from Waste Feasibility Study

Planning and Works Committee

June 14, 2016





Presentation Overview

- Waste Management Master Plan Review
- Energy from Waste Feasibility Study
 - Aspects and technologies evaluated
 - Evaluation criteria
 - Results
 - Conclusions
 - Opportunities
 - Recommendations



Region of Waterloo

WMMP Review

- **WHY**

- New Master Plan study completed in 2013 to establish a new direction for integrated waste management knowing landfill to be full in 15-20 years

- **HOW**

- Focus on 3 complimentary areas: Diversion, Residual Waste Management, Planning



WMMP Outcomes

- **WHAT**

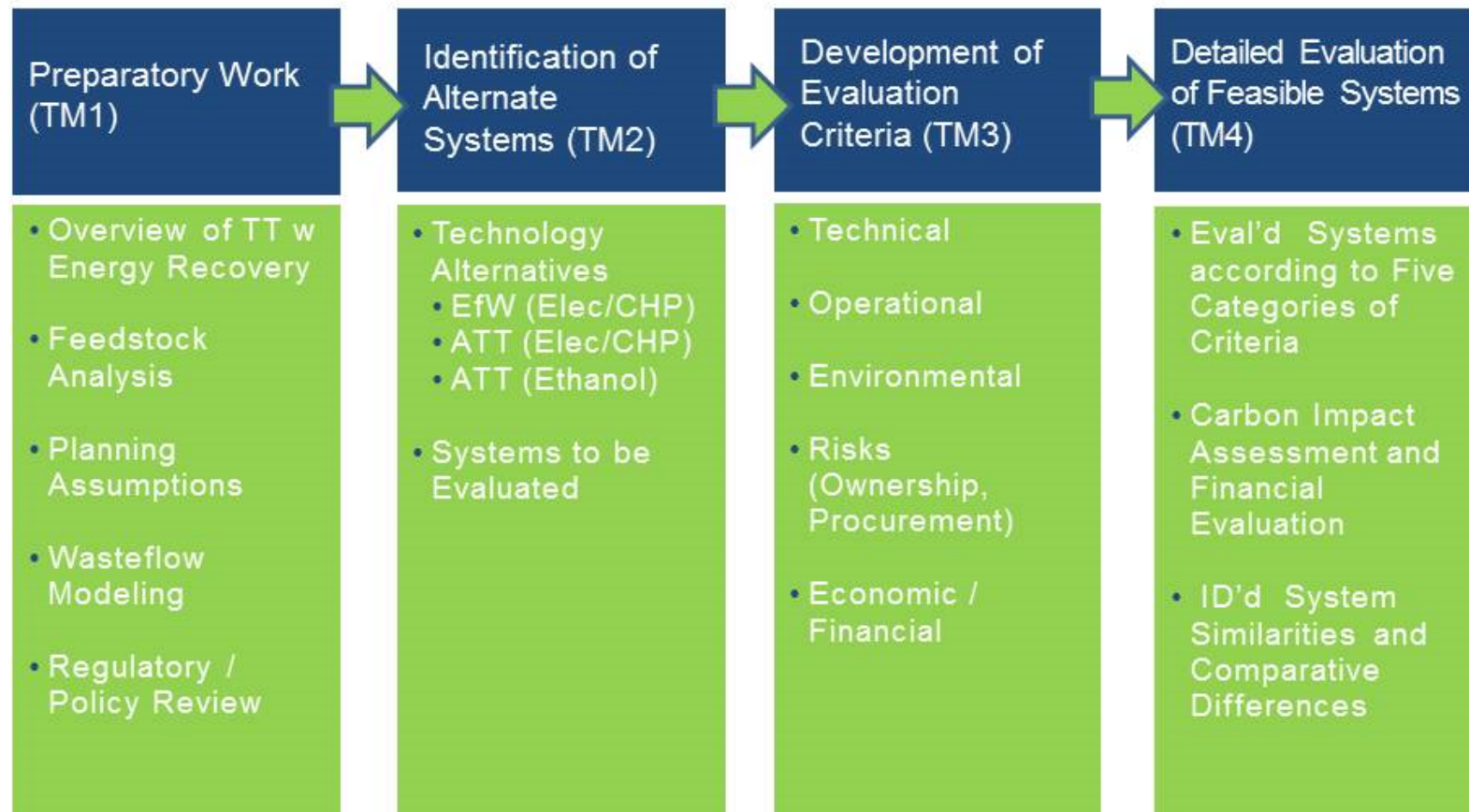
- Residual Waste Management:

- Investigate Thermal Technology Options
 - Status: *EFW Feasibility Study complete*



Region of Waterloo

EFW Feasibility Study





Region of Waterloo

EfW Feasibility Study

- Intended to answer the question:
“What does the Region of Waterloo need to have in place to make EfW feasible for our community?”
- Evaluation included examination of:
 - Technical aspects
 - Policy aspects
 - Life cycle aspects
 - Economic aspects
- Examination of various scenarios:
 - **Baseline** waste stream
 - Addition of **ICI** stream
 - Addition of **partner MSW** stream
 - Addition of **multi-residential MSW** stream
 - Addition of **biosolids**





Identification of Alternate Systems

Region of Waterloo

System	Waste Type, Amount and Origin			Facility Size	Thermal Treatment Technology		
	Residual MSW tpa	I,C&I tpa	Biosolids tpa		Incineration (Elec. or CHP)	ATT (Elec. or CHP)	ATT w/ Ethanol Product
1	123,000	-	-	150,000	✓	-	-
2	123,000	-	-	150,000	-	✓	-
3	123,000	-	-	150,000	-	-	✓
4	123,000 + Additional 100,000	-	-	250,000	✓	-	-
5	123,000 + Add'l 100,000	-	-	250,000	-	✓	-
6	123,000 + Add'l 100,000	-	-	250,000	-	-	✓
7	123,000	50% ROW 60,000	-	225,000	✓	-	-
8	123,000	-	100% ROW 66,000	225,000	✓	-	-

Planning Assumptions:

- 30 year operating period commencing in 2026
- 52% diversion rate
- Population growth per Places to Grow



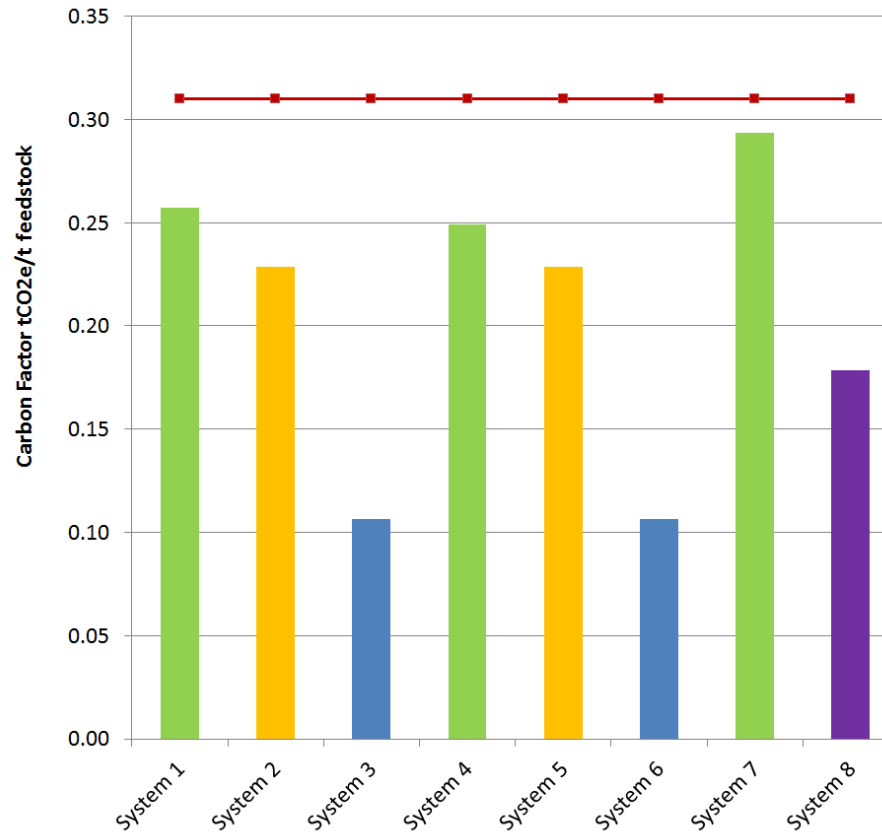
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Evaluation Criteria

- Technical → Compatibility with waste composition, scalability
- Operational → Labour and maintenance requirements
- Environmental → GHG emissions, visual impacts
- Risks → Operating experience, competition for feedstock
- Economic/
Financial → Capital and operating cost, revenue



GHG Emissions Impact of Waste to Electricity



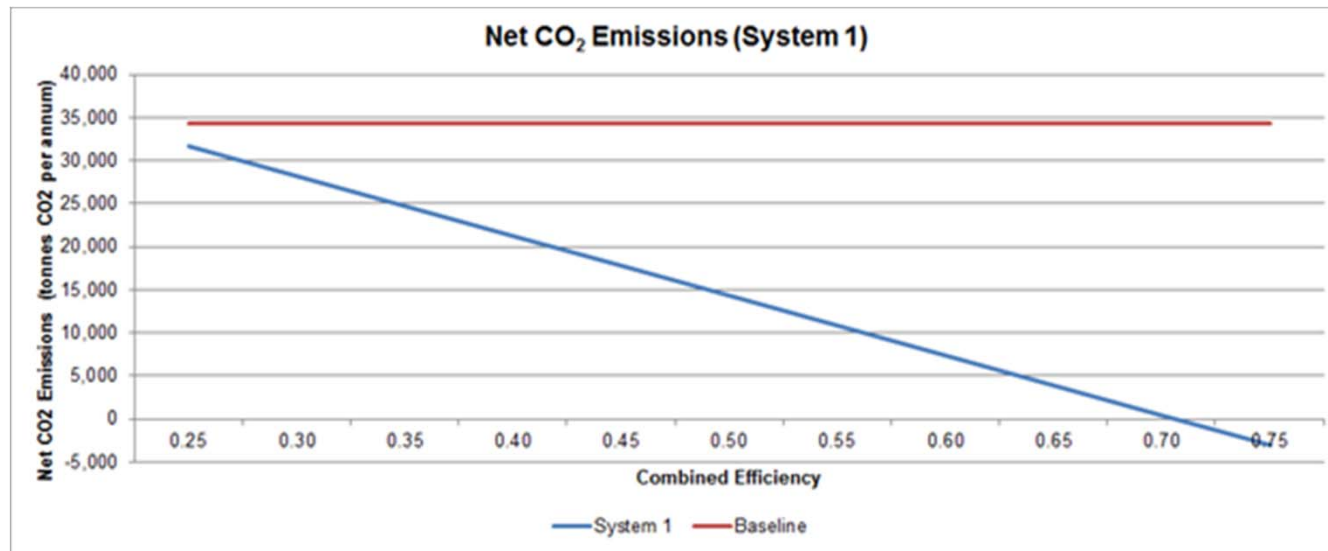
- Approximately 90% of Ontario's electricity generation already comes from low carbon sources
- Greatest opportunity for GHG reduction is with a waste to biofuel system or CHP





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GHG Impact of CHP

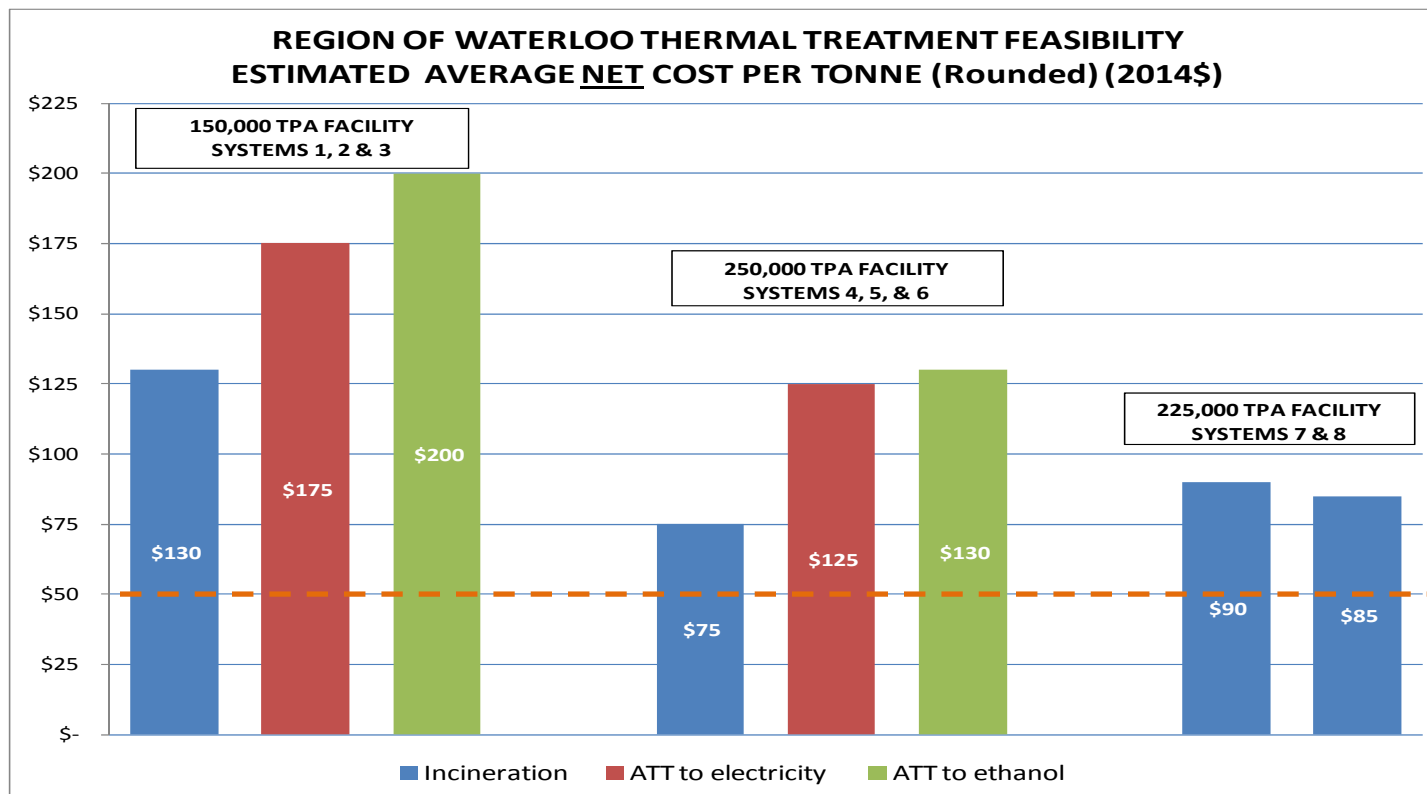




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Lifecycle Costs

- Full cost accounting: \$45/tonne (\$2012)
- Estimated in range of \$50 in \$2015





Results

- Capital cost could range from \$300-\$600M
- Reduced net cost per tonne as facility size increases
- Noise and air impacts differ, but can be mitigated through design
- Advanced technologies have some restrictions
- All systems produce solid residues requiring disposal
- Bioethanol system produces liquid waste stream
- Untreated biosolids reduce calorific value of feedstock



EfW Feasibility Study Conclusions

- Large amount of organic material in waste stream
- Waste tonnages for which ROW has control are at the low end of economy of scale for conventional incineration
- Most efficient energy recovery includes both heat and power generation
- No other Ontario municipalities actively pursuing EfW at present





EfW Feasibility Study Conclusions (cont'd)

- Advanced technologies are not yet commercially proven and have minimal operating experience
- All systems produce solid residues requiring disposal
- Approvals can require up to 10 years
- EfW systems are expensive relative to landfill disposal
- There are common elements among all systems
- There are differing levels of risk with each system



Things to Watch

- Municipal and Provincial Policy Initiatives
- Population growth and waste generated per capita
- Private waste management operators in Ontario; new landfills, expansion of existing landfills, forays into EfW facilities



Region of Waterloo

Opportunities

- Defer decision on the next solution for residual waste management
- Consider and advance concepts of Community Energy Plans, including District Heating
- Continue dialogue with neighbouring municipalities
- Consider new diversion initiatives to maximize remaining site life at Waterloo Landfill



Study Recommendations

- Continue to work within the framework of the IMWG
- Consider enacting policies that would extend the life of the ROW landfill
- Proactively monitor the trends identified in the study
- Could proactively lobby the Provincial government to implement policies and legislation favorable to the establishment of a TTF