



NOTICE

**THE MAYOR HAS CALLED
A SPECIAL MEETING OF COUNCIL**

AT 6:45 P.M.

TUESDAY, FEBRUARY 11, 2020

**IN THE COUNCIL ANTE ROOM – CIVIC SQUARE
TO DISCUSS THE FOLLOWING:**

- **A TRADE SECRET OR SCIENTIFIC, TECHNICAL, COMMERCIAL, FINANCIAL OR LABOUR RELATIONS INFORMATION, SUPPLIED IN CONFIDENCE TO THE MUNICIPALITY OR LOCAL BOARD, WHICH, IF DISCLOSED, COULD REASONABLY BE EXPECTED TO PREJUDICE SIGNIFICANTLY THE COMPETITIVE POSITION OR INTERFERE SIGNIFICANTLY WITH THE CONTRACTUAL OR OTHER NEGOTIATIONS OF A PERSON, GROUP OF PERSONS, OR ORGANIZATION.**
 - ***2020 National Rowing Championships and Canada Cup Regatta Hosting Agreement.***

AND

**IN OPEN SESSION
IN COUNCIL CHAMBERS, CIVIC SQUARE
TO CONSIDER ANY CORRESPONDENCE, REPORTS, AND BY-LAWS**


**Tara Stephens,
City Clerk**



SPECIAL COUNCIL MEETING AGENDA

Tuesday, February 11, 2020

COUNCIL CHAMBERS – CIVIC SQUARE

**1. COMMITTEE-OF-THE-WHOLE (IN-CAMERA) (6:45 P.M.)
(See yellow tab)**

- A trade secret or scientific, technical, commercial, financial or labour relations information, supplied in confidence to the municipality of local board, which, if disclosed, could reasonably be expected to prejudice significantly the competitive position or interfere significantly with the contractual or other negotiations of a person, group of persons, or organization:
- *2020 National Rowing Championships and Canada Cup Regatta Hosting Agreement.*

2. ARISE FROM COMMITTEE-OF-THE-WHOLE (IN-CAMERA) (6:55 P.M.)

3. OPEN SPECIAL COUNCIL MEETING (7:00 P.M.)

3.1 CALL UPON THE CITY CLERK TO REVIEW COMMITTEE-OF-THE-WHOLE ITEMS (IN-CAMERA) TO BE ADDED TO BLOCK

3.2 ADDITIONS/DELETIONS TO AGENDA

3.3 DISCLOSURES OF INTEREST

3.4 COUNCILLORS TO DETERMINE AGENDA ITEMS AND BY-LAWS TO BE REMOVED FROM BLOCK FOR DISCUSSION IN COMMITTEE-OF-THE-WHOLE (OPEN) (See pink tab) - Nil

4. CONFIRMATORY BY-LAW

A By-law to adopt, ratify and confirm proceedings of the Council of the Corporation of the City of Welland at its meeting held on the 11th day of February, 2020.
Ref. No. 20-1

5. ADJOURNMENT



GENERAL COMMITTEE

Tuesday, February 11, 2020
COUNCIL CHAMBERS - CIVIC SQUARE

Meeting Number 2020 - 03

1. **OPEN GENERAL COMMITTEE MEETING FOLLOWING THE SPECIAL COUNCIL MEETING.**
 - 1.1 **CALL TO ORDER BY VICE MAYOR CLAUDETTE RICHARD**
 - 1.2 **ADDITIONS/DELETIONS TO AGENDA**
 - 1.3 **DISCLOSURES OF INTEREST**
 - 1.4 **ADOPTION OF MINUTES**

General Committee Meeting of January 28, 2020.
 - 1.5 **ITEMS TO BE REMOVED FROM BLOCK FOR DISCUSSION IN COMMITTEE-OF-THE-WHOLE (OPEN) (See blue tab)**

2. **VERBAL REPORTS AND DELEGATIONS**
 - 2.1 **PRESENTATIONS**

19-76 Marvin Ingebrigtsen, Infrastructure, Planning and Development Supervisor, and Alex Marino, Climate Change Coordinator re: Climate Change Adaptation.
(Background information provided in Council members packages).

 - 2.2 **DELEGATIONS (MAXIMUM 5/10/5 RULE)**

08-48 Luise Tarczy, Resident, and Steven Milani, Resident re: The Occupancy Standards By-Law.
(Background information provided in Council members packages).

20-28 Barb Van Der Heyden, Executive Director, Big Brothers Big Sisters of South Niagara re: Presenting new vision, mission and logo, Awareness of Bowl for Kids Sake Campaign and extending the annual Mayor's Challenge.

99-99 Derek Stonier, Splashtown Niagara re: Proposal for an Inflatable Water Park on the Welland Recreational Canal.
(Background information provided in Council members packages).



GENERAL COMMITTEE -- Page 2

**Tuesday, February 11, 2020
COUNCIL CHAMBERS – CIVIC SQUARE**

Meeting Number 2020 – 3

-
- 2.3 **AGENCIES, BOARDS, COMMISSIONS AND COMMITTEES REPORT(S) – Nil**
 3. **COMMITTEE-OF-THE-WHOLE (OPEN)**
(Discuss items removed from Agenda Block)
 4. **ADJOURNMENT**



GENERAL COMMITTEE

Tuesday, February 11, 2020
COUNCIL CHAMBERS - CIVIC SQUARE

Meeting Number 2020 - 03

Page No.

AGENDA BLOCK

1. BUSINESS ARISING FROM MINUTES, PREVIOUS MEETINGS AND OTHER ITEMS REFERRED FROM COUNCIL FOR DISCUSSION

Deferred from the Council Meeting of February 4, 2020.

INFRASTRUCTURE & DEVELOPMENT SERVICES – L. Van Vliet, Chair

Engineering Division

- 1 - 13 ENG-2020-06 Gen. Mgr., Infrastructure and Development Services, T. Fitzpatrick -
Regional Niagara 2020 Waste Collection Contract - Proposed Changes
& Welland Enhanced Collection Services. Ref. No. 16-109

2. STAFF REPORTS

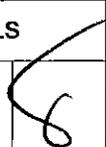
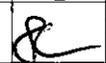
INFRASTRUCTURE & DEVELOPMENT SERVICES – L. Van Vliet, Chair

Engineering Division

- 14 - 24 ENG-2020-09 Gen. Mgr., Infrastructure and Development Services, T. Fitzpatrick -
City of Welland Corporate Climate Adaptation Plan Update.
Ref. No. 19-76

3. NEW BUSINESS - Nil

GENERAL COMMITTEE
INFRASTRUCTURE AND DEVELOPMENT SERVICES
ENGINEERING DIVISION

APPROVALS	
GENERAL MANAGER	
CFO	
CAO	

REPORT ENG-2020-09
FEBRUARY 11, 2020

19-76

**SUBJECT: CITY OF WELLAND CORPORATE CLIMATE
ADAPTATION PLAN UPDATE**

**AUTHOUR: ALEX MARINO, MCC
CLIMATE CHANGE COORDINATOR**

**APPROVING G.M.: TRAVERS FITZPATRICK, GENERAL MANAGER,
INFRASTRUCTURE AND DEVELOPMENT SERVICES**

RECOMMENDATION: That Council received for information Report ENG 2020 – 09 CITY OF WELLAND CORPORATE ADAPATION PLAN UPDATE.

ORIGIN AND BACKGROUND:

The purpose of this report is to provide Council with an update on the development of the Climate Adaptation Plan (CAP) for the City of Welland, including the scientific background, local context, methodology, and proposed timeline. The initiative started in May 2019, when a council motion was passed to begin development on a CAP to prepare Welland for anticipated climatic impacts. Welland, along with seven other Niagara municipalities, have joined the Niagara Adapts partnership designed to build climate adaptation solutions.

The development of the Climate Adaptation Plan for the City of Welland is driven and supported by the 2012 City of Welland Stormwater & Wastewater Infrastructure Assessment as well as the 2017 City of Welland Official Plan, which states, “the city shall develop and implement plans to adapt to potential impacts in collaboration with the Niagara Region and other stakeholders”.

The development of a Climate Adaptation Plan for the City of Welland is also driven and supported by the 2017 Growth Plan for the Greater Golden Horseshoe, of which a guiding principle is to “integrate climate change considerations into planning and managing growth such as planning for more resilient communities and infrastructure – that are adaptive to the impacts of a changing climate”.¹

CLIMATE CHANGE AND EXTREME WEATHER:

In 2019, Environment and Climate Change Canada published Canada’s Changing Climate Report, which summarizes the evidence that the Earth has warmed substantially over the past 100 years and the main cause of this warming is human influence. Evidence includes increases in near-surface and lower atmosphere air temperature, sea surface temperature; widespread warming consistent with the observed increase in atmospheric

water vapour with declines in snow and ice coverⁱⁱ. While both human activities and natural variations have contributed to the observed warming in Canada, the human factor is most dominant. Changes in atmospheric greenhouse gases (predominantly carbon dioxide) and aerosols, and changes to the land surface are influences by humans leading to shifting climate conditions. The gradual shifts in average conditions (temperature, precipitation, and sea level) will be accompanied by changes in frequency and intensity of extreme weather events. For example, extreme rainfall events will become more frequent and more intense, leading to increased flooding risks.ⁱⁱⁱ

CLIMATE AND EXTREME WEATHER TRENDS AND PROJECTIONS FOR CANADA

The impacts of changing climate are already evident across the country. Environment and Climate Change Canada highlights Canada's changing climate, anticipated impacts, and projections for the future.

Key findings include:

- Canada's climate has warmed and will continue to warm further in the future, driven by human influence. Future warming for Canada is, on average, about double the global magnitude level. Northern Canada has warmed and will continue to warm at even more than double the global rate.
- Precipitation has increased in many parts of Canada, with a shift towards more rainfall and less snowfall. Projections have shown to increase rainfall frequency in the winter throughout all of Canada in the next 50 years. However, under a high emission scenario, Southern Canada is projected to experience less precipitation in the summer months.
- Temperature extremes have changed in Canada, consistent with the increase in mean temperature. Extreme warm temperatures have become hotter, while extreme cold temperatures have become less cold.
- Increased frequency and severity of extreme weather events (heat waves, floods, coastal storm surges and droughts), more smog days and disease outbreaks, loss of northern ice and sea level rise.^v

Extreme weather events and their impacts also point to the vulnerability of Canadian communities and infrastructure to climate change. The costs of property damage and disruptions are projected to increase with the flow of goods and services being impacted by changing conditions.^v

These impacts will continue to affect municipalities of all sizes with positive and negative implications on infrastructure (transportation, water supply, sewage), social and economic systems (human health, recreation), and lastly natural environments (biodiversity loss, habitat degradation, and increase of invasive species).^{vi}

LOCAL CLIMATE AND EXTREME WEATHER TRENDS AND PROJECTIONS

To scale down climatic and extreme weather trends, a 2012 report ^{vii} published by the Niagara Region outlined several changes in Niagara's climate that have already been exhibited, including:

- An increase in annual temperature by about 1.3°C in the last 40 years
- A trends towards more days with temperature over 30°C
- Increased number of heatwaves with three or more consecutive days of temperatures over 30°C
- Longer growing season, with May and September significantly warmer
- An increase in frost free days, trends suggesting an increase of 10 more per year compared to 1970
- A small increase in annual precipitation, with most of the increase in the winter as rainfall
- An increase in heavy rainfall events
- Increased numbers of freeze thaw-cycles

Climate scientists project the following conditions for the Niagara Region:

- An increase in average annual temperatures of 3-4°C by 2050
- Increase in freeze-free days by 30 days in 2050, and up to 50 days in 2080
- A 20% decrease in summer rainfall by 2050
- A continued increase in freeze-thaw cycles for the next few decades
- Growth in the conditions that give rise to the development of thunderstorms with likely increase in heavy rain, hail, strong winds and tornados.

Anticipated areas of impact in Welland are summarized in Table 1:

Table 1: Anticipated Impacts of Climate Change in Welland^{viii}

Affected Group	Impacts on Respective Group
Residents	<ul style="list-style-type: none"> • Basement flooding • More frequent storms • Strong winds damaging windows and roofs • Increased freeze-thaw cycles damaging roads, driveways and basement concrete • Higher temperatures that increase heat-related illnesses and deaths among vulnerable populations (children, elderly, homeless) • Increased smog resulting in worsening of respiratory illness (asthma) • Higher temperatures increase population of insects carrying diseases (West Nile, Lyme disease) • Frequent flooding causes runoff resulting in more waterborne diseases
Businesses & Tourism	<ul style="list-style-type: none"> • Premature replacement of infrastructure due to more intense weathering • Power outages, floods, or other weather related incidents may cause business downtime

- | | |
|----------------------------|--|
| Buildings & Infrastructure | <ul style="list-style-type: none"> • Increased emergency management costs • Weather related injury or illness may cause lower productivity of workers • Increases in insurance rates and health care costs • Increased freeze-thaw cycles can cause road damage • Higher temperatures and increased rainfall speed up chemical reactions causing corrosive damage to building materials • Pavement softening from hot weather • Damages to infrastructure induce more frequent road and bridge maintenance • Basement floods caused by prolonged rainfall events |
| Water & Wildlife | <ul style="list-style-type: none"> • Increase in waterborne diseases • Higher temperatures increase disease-carrying insect populations • Water temperature changes are a threat to fish populations • Increased algal blooms can cause a decrease in water quality • Lower water levels impact crucial wetlands |

Recent events in Welland, such as the 2018 residential flooding of Dain City, also point to the need to adapt and build resiliency to changing and extreme weather patterns. Dain City experienced about \$80,000 in damages resulting from spring rainfall events that caused extreme flooding to about 20 residential homes.^x This event led to the development of the Sewage Water Alleviation Program (SWAP), which aims to provide funding for the installation of devices which provide basement flooding protection.

COMMENTS AND ANALYSIS:

CLIMATE ADAPTATION PLAN

Climate change adaptation refers to actions that reduce the negative impacts of climate change, while taking advantage of potential new opportunities that involve adjusting policies and actions because of observed and expected changes to climate. Adaptation can be both reactive (in response to climate impacts) and anticipatory (before impacts are observed). Local governments play an important role in managing the risks of climate change. Given the local nature of impacts, municipalities are often the front line to manage risks, protect community safety, and promote economic sustainability. Through processes such as land use planning, community energy planning, and mechanisms like zoning or permit regulations, municipalities are effectively able to identify and implement adaptation strategies. ^x

The purpose of a Climate Adaptation Plan is to prepare the City of Welland to adapt to anticipated climatic change and extreme weather, thereby minimizing the severity of the resulting impacts. This will be achieved through:

- A vision for the City of Welland's Corporate Climate Adaptation Plan;
- Identification of potential impacts related to climate change and extreme weather in Welland, and the risk they pose to the City's infrastructure, assets, operations, and services;
- Prioritized adaptation actions to reduce risk and vulnerability associated with climate change and extreme weather impacts; and

- A detailed implementation plan, including: estimated costs, funding sources, responsibilities, timelines, and a framework to monitor and evaluate progress.

SCOPE

A corporate climate adaptation plan increases the adaptive capacity and resiliency of City-owned infrastructure (road networks, bridges and culverts, buildings, water network, wastewater network, land improvements, vehicles, and machinery and equipment), City-run programs, and to integrate extreme weather adaptation into day-to-day operations.

Due to time constraints, a community climate adaptation plan, addressing broader community-wide initiatives outside of the City's responsibility, will not be developed within this project. Nevertheless, through conducting baseline vulnerability and adaptive capacity assessments and engaging with corporate and community stakeholders, this project may identify the need to initiate a community and/or a mitigation plan. Additionally, implementation of the Corporate Climate Adaptation Plan is not within scope of this project; however, the plan will outline the implementation process including: prioritized actions, key performance indicators, and an implementation schedule.

The creation of the Corporate Climate Adaptation Plan and the activities of Niagara Adapts will occur in parallel with other initiatives within Welland including: the City's Asset Management Plan Update which focuses on building resiliency and community adaptation specifically through waste and storm water management and municipal standards update.

PROCESS/METHODOLOGY

The framework guiding the development process will be developed by Niagara Adapts and finalized after workshops. The framework is expected as follows:

- Phase 1: Develop a Climate Adaptation Plan
- Phase 2: Operational or Institutional Changes
- Phase 3: Preparatory work leading to the implementation of climate adaptation initiatives

Following the completion and endorsement of the Corporate Climate Adaptation Plan (Phase 1) the project will enter Phases 2 and 3.

PROJECT STAKEHOLDERS AND ORGANIZATION

The role of the Climate Change Coordinator is to facilitate the development process. The plan will be primarily informed by the subject matter experts comprising the Adaptation Steering Committee. Input on the plan will be gathered from CLT, Council, the Stakeholder Advisory Group, and the Welland Community on an ongoing basis.

Project Team

The Project Team consists of:

- Alex Marino, Climate Change Coordinator, City of Welland
- Marvin Ingebrigtsen, Supervisor, Infrastructure and Development Services, City of Welland
- Dr. Jessica Blythe, Assistant Professor, Environmental Sustainability Research Centre, Brock University

- Dr. Ryan Plummer, Director, Environmental Sustainability Research Centre, Brock University

Niagara Adapts

Niagara Adapts is a novel partnership between Brock University and municipalities in the Niagara Region. The partnership is designed to enhance effectiveness and realize efficiencies by leveraging resources and expertise to enable collaborative climate change adaptation assessments, planning and implementation, while at the same time acknowledging and supporting the uniqueness of each participating municipality.

Project Deliverables will include:

1. Adaptation Planning Workshops
2. Baseline assessment of vulnerability adaptive capacity for each municipality
3. Online learning network

Adaptation Steering Committee

To ensure the plan reflects staff expertise and corporate priorities, and can ultimately be integrated into departmental functions, most of the findings for each milestone will be derived from or refined through workshops with an Adaptation Steering Committee. The Steering Committee will be multi-departmental, comprised of mid-level management City staff that have diverse expertise and experience with the City's communities, infrastructure, assets, and services. Ownership for each department's adaptation plan will live with the department.

The steering committee will include representatives from:

- Planning and Development – Grant Munday
- Engineering – Marvin Ingebrigtsen
- Community Services, Facilities – Gage Stephens
- Parks – Peter Boyce
- Public Works – Ray Chamberlain
- Fire and Emergency Services – Adam Eckhart
- Economic Development – Nick Aiello
- Communications – Bernice Booth
- Finance – Anka Vuksan Scott
- Fleet Services – Adam Beres
- Transit – Dave Stuart

Stakeholder Advisory Group

To ensure the plan reflects local context and community priorities, a Stakeholder Advisory Group will be created by the Project Team and comprised of individuals and organizations with a variety of expertise and experience with Welland's communities, businesses, and services. Expected input would be 1 on 1 meetings and facilitated workshops to evaluate and consult on the adaptation planning process and draft plan. The members of the group have yet to be determined.

ANTICIPATED TOUCHPOINTS

Community

Ongoing citizen engagement will be an important part of the Corporate Climate Adaptation Planning process, through both the Stakeholder Advisory Group and Community Engagement. Anticipated touchpoints with community stakeholders, residents, and businesses may include: online surveys, information booths, and engagement workshops.

Corporate Leadership Team

Consultation with CLT will occur on a quarterly basis to provide updates, seek feedback, and ensure input is obtained from all management levels.

Community Services and Infrastructure Community

The Committee will be updated on the progress on the Climate Adaptation Plan and related activities, through presentations twice a year and update reports as needed. A draft Climate Adaptation Plan will be presented to the committee for review and feedback before it is finalized

TIMELINE

A tentative timeline is presented below (Figure 1). The schedule for all other activities is tentative and will be updated after subsequent Niagara Adapts workshop and Adaptation Steering Committee meetings. A detailed list of anticipated tasks and milestones can be found in Appendix A.

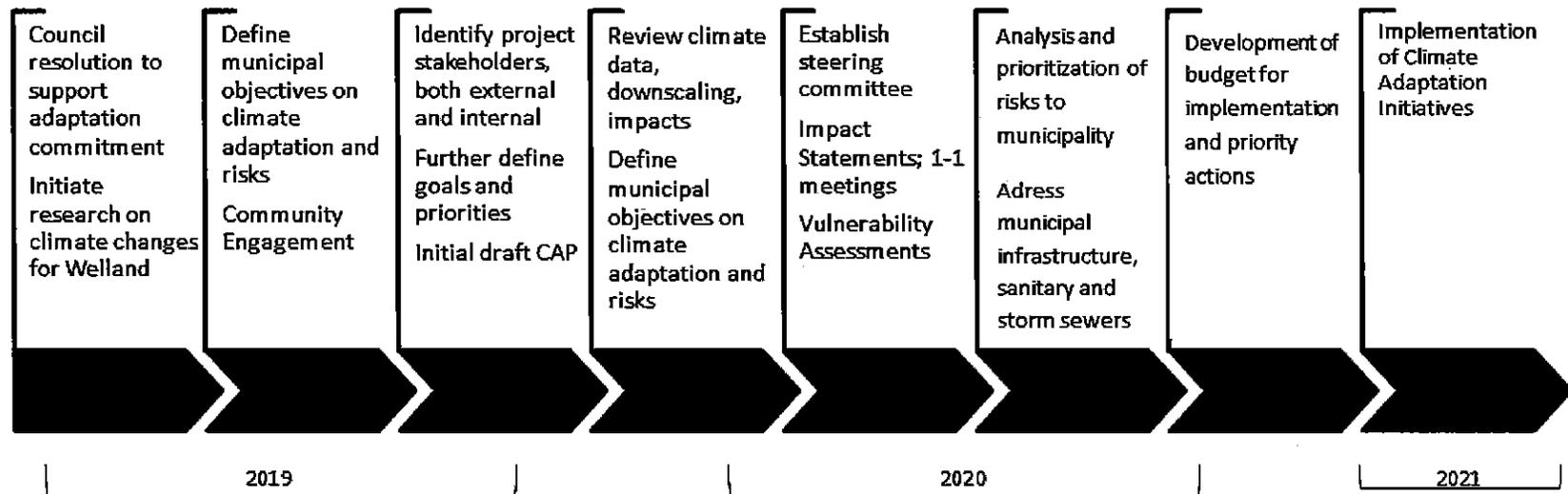


Figure 1: Tentative Corporate Climate Adaptation Plan Timeline

FINANCIAL CONSIDERATION:

The funding formula for this project is supported by the 2020 Capital Budget for Climate Change Adaptation Planning, which is \$60,000.

OTHER DEPARTMENT IMPLICATIONS:

No additional staff is required at this time. The Adaptation Steering Committee will be multi-departmental, comprised of City staff that have diverse expertise and experience with the City's communities, infrastructure, assets, and services.

SUMMARY AND CONCLUSION:

To allow for the City of Welland to adapt to anticipated climatic change and extreme weather, thereby minimizing the severity of the resulting impacts.

ATTACHMENTS:

Appendix A – Corporate Climate Adaptation Plan Timeline
Appendix B – Works Cited

APPENDIX A: TENTATIVE CORPORATE CLIMATE ADAPTATION PLAN TIMELINE

Phase 1: Develop a Climate Adaptation Plan
Phase 2: Operational or Institutional Changes
Phase 3: Preparatory work leading to implementation of climate adaption initiatives

Milestone 1 – Year 1 – October 2019 – December 2019	
1	Develop Project Team
2	Project Team Meetings
3	Develop Adaptation Steering Committee, coordinate monthly meetings
4	Steering Committee Interviews
5	Identify Internal Stakeholders
6	Initial look at local climate impacts, existing adaptation actions
7	Review policy issues/constraints regarding CCA in Welland
8	Review available climate data, projections, downscaling, impacts
9	Develop draft CAP
10	Define goals, priorities, implementation practices
11	Seek additional funding
12	Analysis and prioritization of risks to municipality
13	Research and develop list of current climate change impacts and affected services
14	Conduct a review of climate change related events in Welland
15	Prepare and deliver education information for residents, town staff and council relating to CC issues and basic mitigating measures to consider
Milestone 2 – Year 2 – January 2020 – June 2020	
1	Refine impacts to consider service areas for each
2	Consultation with Internal Stakeholders
3	Vulnerability and Impact Statements with Internal Team
4	Address municipal infrastructure including sanitary sewers, storm sewers
5	Establish adaptation vision and goals
6	Council meeting preparation and presentation
7	Develop a list of key adaptation project areas
8	Develop Council Resolution and Policies to support CCAP goals
9	Assemble cross-functional climate adaptation steering committee to oversee planning and deployment
10	Risk Assessment
Milestone 3 - Year 2 – July 2020 – December 2020	
1	Welland Steering Committee Meetings, Workshop to develop adaptation strategies
2	Refine vision, goals, objective of CAP
3	Present updated CAP to council for approval of plan and proposed initiatives
4	Consultation with external stakeholders
5	Refine drivers, constraints, limitations
6	Examine budgeting and finances
7	Establish implementation schedule
8	Create and launch action plan

9	Finalize Climate Adaptation Plan
10	Development of budget for implementation of priority actions

APPENDIX B: WORKS CITED

ⁱ Government of Ontario. (2017). Growth Plan for the Greater Golden Horseshoe. Retrieved from [https://files.ontario.ca/appendix - growth plan 2017 - oc-10242017.pdf](https://files.ontario.ca/appendix_-_growth_plan_2017_-_oc-10242017.pdf)

ⁱⁱ Bush. E, and Lemmen D.S (2019). Canada's Changing Climate Report. Government of Canada. Ottawa, ON.

ⁱⁱⁱ Richardson, G. R. (2010). Adapting to Climate Change: An Introduction for Canadian Municipalities. Natural Resources Canada. Ottawa, ON.

^{iv} Richardson, G. R. (2010). Adapting to Climate Change: An Introduction for Canadian Municipalities. Natural Resources Canada. Ottawa, ON.

^v Bush. E, and Lemmen D.S (2019). Canada's Changing Climate Report. Government of Canada. Ottawa, ON.

^{vi} Bush. E, and Lemmen D.S (2019). Canada's Changing Climate Report. Government of Canada. Ottawa, ON.

^{vii} Penney, J. (2012). Adapting to Climate Change: Challenges for Niagara. Climate Change Impacts and Adaptation Research and Policy. Retrieved from:

<https://www.niagararegion.ca/government/planning/pdf/climatechangerport.pdf>

^{viii} Penney, J. (2012). Adapting to Climate Change: Challenges for Niagara. Climate Change Impacts and Adaptation Research and Policy. Retrieved from:

<https://www.niagararegion.ca/government/planning/pdf/climatechangerport.pdf>

^{ix} Dain City Residential Flooding. 2018. <https://www.stcatharinesstandard.ca/news-story/8579038-welland-working-on-dain-city-flooding-problem/>

^x Bush. E, and Lemmen D.S (2019). Canada's Changing Climate Report. Government of Canada. Ottawa, ON.

COUNCIL
INFRASTRUCTURE AND DEVELOPMENT SERVICES
ENGINEERING DIVISION

APPROVALS	
GENERAL MANAGER	
CFO	
CAO	

REPORT ENG-2020-06 **UPDATED**
FEBRUARY 4, 2020

SUBJECT: REGIONAL NIAGARA 2020 WASTE COLLECTION CONTRACT – PROPOSED CHANGES & WELLAND ENHANCED COLLECTION SERVICES

16-109

**AUTHOUR: TRAVERS FITZPATRICK, GENERAL MANAGER
INFRASTRUCTURE AND DEVELOPMENT SERVICES**

RECOMMENDATIONS:

1. THAT Welland City Council confirms its request to Regional Niagara for Enhanced Waste Disposal services for Containerized Garbage Collection at Multi-Residential (MR) Properties (11 in total) at an annual cost of \$7,429.29 (inclusive of net HST);
2. THAT Welland Council confirms its request to Regional Niagara for Optional Enhanced Service – Every- Other -Week Bulky Goods Collection at MR with seven (7) or more units & Mixed-Use (MU) properties with one (1) or more units which receive the Region's base service and enhanced garbage collection at an annual cost of \$95,825.55 (inclusive of net HST);
3. THAT Welland Council Accepts the Optional Enhanced Service for In-Ground Collection at Public Spaces/Parks to collect garbage, Blue/Grey Box/Cart, and Green Bin/Cart materials (for example MOLOK, Earth Bins) from in-ground containers at a cost of \$76.32/stop for crane collection and \$55.97/stop for front-end collection (both prices inclusive of net HST); and
4. That the City Clerk advise Regional Niagara accordingly.

ORIGIN AND BACKGROUND:

On 22 January, 2019 General Committee received and approved Report ENG-2019-02 which dealt with proposed changes to waste collection services for the City of Welland under a new proposed waste collection contract with Regional Niagara. (A copy of that report is attached hereto.) Council approved the recommendation from General Committee on 5 February, 2019.

The upshot of the report was to request the continuation of existing levels of service for waste collection services for the residents of Welland.

In addition, Council requested enhanced waste collection services for the collection of large/bulk items from multiple residential (7 units plus) and mixed use properties (ICI) with

a residential component. The report identified some 233 buildings or properties falling into this category. (See page 5 of attached Report ENG-2019 – 02).

COMMENTS AND ANALYSIS:

By letter dated December 10, 2019 Regional Niagara has requested that the City of Welland confirm its request for enhanced and optional enhanced waste collection services under the Region's new waste collection contract. (A copy of that letter is attached hereto.)

An optional enhanced service not included in the original menu of services offered includes the Optional Enhanced Service for In-Ground Collection at Public Spaces/Parks to collect garbage, Blue/Grey Box/Cart, and Green Bin/Cart materials (for example MOLOK, Earth Bins) from in-ground containers.

The City has at least two (2) such containers located on Merritt Island. It is the opinion of the writer that the City should avail itself of this service as it is calculated that the cost of such service offered by the Region is less than the cost of having City equipment City forces undertake such collection services.

There were questions at the Council meeting of 4 February, 2020 concerning recommendation #2 having to do with bulky goods collection at multi residential buildings (7 units plus) and mixed use buildings (ICI with a residential component.) Council's attention is again drawn to page 5 of attached ENG REPORT 2019-02 which illustrates that there were/are some 233 properties which will be affected by recommendation #2. The cost of this service for these buildings is \$95,825.55 (inclusive of net HST.) It should be noted that the costs of the waste collection services to the residents and businesses of the City are based upon assessed value and tax rates.

The attached Schedule 1 shows the 2019 tax rates for various classes of properties in the City. Council will note that the rates for Multi Residential and Commercial Occupied are significantly higher than the Residential rate. These are the classes that will pay proportionally more for the enhanced waste collection service noted in Recommendation #2.

In addition, with the increase in service level there may be a resulting reduction of bulky goods left uncollected on City streets.

Finally, while staff have recommended taking advantage of optional in ground MOLOK container pick up (Recommendation # 3) Regional staff have indicated that the location of the containers on Merritt Island may preclude the service. However, there is a significant cost savings to the City if the service can be provided by the Region's waste collection contractor. Consequently, Recommendation # 3 is still advanced. It will be a situational matter to be resolved on the ground at a future date.

FINANCIAL CONSIDERATIONS:

The annual costs for the Region's Waste Collection service is charged back to local area municipalities based upon the municipality's percentage of the total Regional household count. For Welland the 2019 waste management levy totalled \$3,963,974

OTHER DEPARTMENT IMPLICATIONS:

None

SUMMARY AND CONCLUSION:

This Report confirms Council's decision of 22 January, 2019 concerning Waste Collection and the enhanced collections services as reported to Council in January, 2019. An additional enhanced service not previously offered is being requested relative to the collection of the City's MOLOK garbage containers on Merritt Island.

The Region's new waste collection contract commences on 19 October, 2020.

ATTACHMENTS:

Appendix 1 - ENG-2019-02 Region of Niagara 2020 Waste Collection Contract – Proposed Changes & Welland Enhanced Collection Services.

Appendix 2 – Letter from Regional Niagara dated 10 December, 2019. Confirmation of Welland's Enhanced and Optional Enhanced Services for Niagara Region's New Waste Management Collection Contract

Schedule 1 – 2019 Tax Rates

Appendix I

GENERAL COMMITTEE
INFRASTRUCTURE AND DEVELOPMENT SERVICES

APPROVALS	
GENERAL MANAGER	
CFO	
CAO	

REPORT ENG-2019-02
JANUARY 22, 2019

**SUBJECT: REGION OF NIAGARA 2020 WASTE COLLECTION
CONTRACT - PROPOSED CHANGES AND WELLAND
ENHANCED COLLECTION SERVICES**

**AUTHOR: ERIK NICKEL, P. ENG.,
GENERAL MANAGER, INFRASTRUCTURE AND
DEVELOPMENT SERVICES / CITY ENGINEER**

RECOMMENDATIONS:

THAT THE COUNCIL OF THE CITY OF WELLAND approve REPORT ENG-2019-02 regarding Region of Niagara 2020 Waste Collection Contract – Proposed Changes and Welland Enhanced Collection Services; and further,

THAT Welland City Council approve of recommendations 1 through 8 as follows:

1. That every-other-week garbage collection be implemented for all residential properties and for those Industrial, Commercial and Institutional properties and Mixed Use properties located outside Designated Business Areas as a base service. Current garbage container limits would double for all properties, on an every-other-week basis. The recycling and organic bin collection for all properties shall remain weekly collection. Those Industrial, Commercial and Institutional properties and Mixed Use properties located inside the Designated Business Areas would continue to receive weekly garbage, recycling and organics collection as a base service.
2. That switching to clear bags be approved.
3. That the establishment of a four (4) item limit per residential unit, per collection, for large item collection at Low Density Residential properties be approved as a base service.
4. That the appliance and scrap metal pick-up be discontinued at Low Density Residential properties.
5. That the number of garbage bags/containers for Industrial Commercial and Institutional properties and Mixed Use properties Inside Designate Business Areas be reduced from seven (7) to four (4) per week, as a base service.

6. That the number of garbage bags/containers for Mixed Use properties outside Designate Business Areas be reduced from six (6) to four (4) per week, or eight (8) containers per week under every-other-week garbage collection, as a base service.
7. That the City's enhanced service and extra payment for front-end garbage collection at multi-residential properties (currently a total of 12 containers) continue.
8. That pricing of a new enhanced service for large item collection (parallel to the service approved for Low Density Residential properties) to those households in Multi Residential buildings with seven (7) or more residential units and Mixed Use properties with one (1) or more residential unit, that receive the Region's base curbside or enhanced front-end garbage collection service, be included in the upcoming Regional tender.

and further,

THAT Welland City Council direct the Clerk to inform the Region of the City's position on the proposed waste collection service changes.

ORIGIN AND BACKGROUND:

The Region of Niagara oversees all aspects of Waste Management for the Local Area Municipalities (LAM).

This includes, but is not limited to, curbside collection of waste, recycling and organics collection as well as the disposal of these materials (Landfill sites, household hazard waste, recycling facility and organic processing locations).

The annual cost for the Region's Waste Management is charged back to the LAM's based on the municipality's percentage of the total Regional households. For Welland, the 2018 waste management levy totalled \$3,898,322.

The Region is preparing for a new collection contract that will be awarded in 2020 and will start in 2021. Prior to the approval of the new contract and its proposed changes, the Region is consulting with Niagara residents, businesses, the local municipalities and other stakeholders.

Responses by the local municipalities to the Region are required by February 20, 2019 in order to achieve their proposed tender award scheduled for 2020.

COMMENTS AND ANALYSIS:

The proposed options being considered by Niagara Region for the 2021 contract are categorized into base collection options and enhanced collections options.

Terminology used throughout to describe the different property sectors are as follows:

LDR – Low Density Residential property (i.e.: 1 to 6 residential units)

MR – Multi Residential property (greater than 6 residential units)

IC&I – Industrial, Commercial and Institutional property

MU – Mixed Use property (i.e. IC&I with a residential component)

Inside DBAs – Property is located within the Designated Business Areas (includes most of the Downtown BIA and North Welland BIA - see appendix I and II for maps)

Outside DBAs – Property is located outside of the Designate Business Areas

Base Collection Options

1. Every-other-week (EOW) garbage collection for all properties located outside DBAs. Properties located inside DBA's will continue with weekly service.

Weekly collection of recycling and organics to continue for all properties both inside and outside of DBA's. Garbage container limit would double for those with EOW collection.

Many Ontario municipalities (i.e.: Barrie, Durham, Halton, Markham, Ottawa, Toronto, Vaughn, Peel and Waterloo) already provide EOW garbage collection.

The benefits of EOW garbage collection include:

- Increased participation/capture rates in diversion programs (i.e.: recycling and organics) to extend lifespan of Niagara Region's landfill site. Diversion rates increased between 6% and 16% in those municipalities that implemented EOW garbage collection.
- Potential cost avoidance. Based on the Region of Waterloo's implementation of EOW garbage collection in 2017, their annual contract savings were approximately \$1.5 million.

2. Mandatory use of clear bags for garbage with optional opaque privacy bag (i.e. grocery bag) within the clear bag for all sectors.

The intent of this change is to improve source separation (and waste diversion rates) and increase enforcement/awareness of what is placed inside the garbage bag by allowing the collection person to identify recycling, organics and unacceptable materials in the bag and then not picking up that bag.

However, recent concerns about plastic bags is seen by the Region as beneficial to make a positive step to take plastic bags out of our waste stream.

3. Establishment of a four (4) item limit per residential unit, per collection, for large item collection at LDR properties.

Currently, there is no limit on the number of large items that can be set out per residential unit, per collection. The proposed four-item limit will meet the set-out

needs, as most residents set out an average of less than two (2) items per collection.

4. Discontinuation of appliances and scrap metal collection at LDR properties.

These items can be recycled, at no cost, at Niagara Region's Drop-off Depots, or at scrap metal dealers. Only 6% of Niagara's LDR properties are currently using the curbside collection of appliances and scrap metal. Many of these items are scavenged before the Region's collection contractor is able to collect them.

5. Change weekly garbage container limits for IC&I and MU properties located inside DBAs from seven (7) containers to four (4) containers per property.

This would standardize the base collection limits across similar sectors as well as increase participation in the Region's diversion programs. The average number of garbage containers placed out per week at IC&I and MU properties inside DBAs across the region is two (2).

The Regions historic audits for the North Welland BIA (See Appendix I, page 2) indicates the average number of garbage bags/containers set out is 1.4 (ICI) and 3.9 per pick-up day.

The same audit for the Downtown BIA (See Appendix II, Page 2) indicates the average number of garbage bags/containers set out is 2.1 (ICI) and 2.7 (MU) per pick-up day.

6. Change weekly garbage container limits for MU properties located outside DBAs from six (6) to four (4) containers under weekly collection, or to eight (8) containers under EOW garbage collection.

This would standardize the base collection limits across similar sectors, as well as increase participation in the Region's diversion programs. The average number of garbage containers placed out per week at MU properties outside DBAs across the region is two (2)

Enhanced Collection Options

7. Continuation of collection of the twelve (12) multi-residential (MR) recycling cart and garbage disposal dumpsters located at eight (8) condominium complexes at a cost to the municipality of \$16,214.89 (2018).
8. Provision of a new enhanced service for large item collection to those households in MR buildings and MU properties that receive the Region's base curbside or enhanced front-end garbage collection service.

These properties must be participating in the Region's diversion programs (i.e.: recycling and organics), in order to qualify to receive this service.

This service would be provided in a manner that is parallel to the approved service for the LDR sector.

Applies to the following properties:

Property Type	No. of Buildings/Properties
Curbside MU with one or more residential units	175
Curbside MR with 7+ residential units	50
Front-End MU with one or more residential units	0
Front-End MR with 7+ residential units	8
Total	233

9. Any other additional enhanced collection options such as additional garbage container limits, increased garbage or recycling collection frequency, street litter, front-end garbage, etc.

Other additional enhanced collection options requested by Welland City Council will come at an increased cost to the Municipality over-and-above the base service collection cost.

Upon request, Regional Staff are willing to include other options in the upcoming tender, in order to obtain pricing. These items will come back to Welland Council for approval.

The explanation and reason for the proposed changes are fully explained in Attachment III to this Report (FAQ for Proposed Collection Service Options for Welland's Designated Business Areas).

Based on discussion with the Region, changes three (3), five (5), six (6), are based on audits of actual numbers of large items/appliances or bags/containers actually put out and should have little to no impact to users, but will provide a reduction in the quantities to be tendered in the 2021 contract.

FINANCIAL CONSIDERATION:

Overall, if accepted by Regional Council, the proposed base service changes will help reduce Waste Management costs in the new collection tender to the LAMs and our taxpayers. Other municipalities that implemented EOW garbage collection realized annual contract savings between \$200,000 and \$12 million, depending on the size of their contract and other contract changes that were implemented. For example, Region of Waterloo's annual contract savings by switching over to EOW garbage collection was \$1.5 million.

The 2018 Enhanced Collection Services to the City were \$16,214.89. Additional costs would be incurred for the new enhanced service for bulky goods collection to those households in MR buildings with seven (7) or more residential units and MU properties with one (1) or more residential unit, that receive the Region's curbside base garbage collection or that receive the Region's enhanced front-end garbage collection service.

We should assume that the 2021 Waste Collection contract will see an overall increased cost due to inflation and wages; however, the proposed base service recommendations listed below will help reduce this increase.

OTHER DEPARTMENT IMPLICATIONS:

There are no other department implications caused as a result of this report.

SUMMARY AND CONCLUSION:

It is recommended that the following Regional proposed collection changes to the 2021 collection contract be approved by Welland City Council:

1. That every-other-week (EOW) garbage collection be implemented for all residential properties and for those IC&I and MU properties located outside DBAs as a base service. Current garbage container limits would double for all properties, on an EOW basis. The recycling and organic bin collection for all properties shall remain weekly collection. Those IC&I and MU properties located inside the DBAs would continue to receive weekly garbage, recycling and organics collection as a base service.
2. That switching to clear bags be approved.
3. That the establishment of a four (4) item limit per residential unit, per collection, for large item collection at LDR properties be approved as a base service.
4. That the appliance and scrap metal pick-up be discontinued at LDR properties.
5. That the number of garbage bags/containers for IC&I and MU properties inside DBAs be reduced from seven (7) to four (4) per week, as a base service.
6. That the number of garbage bags/containers for MU properties outside DBAs be reduced from six (6) to four (4) per week, or eight (8) containers per week under EOW garbage collection, as a base service.
7. That the City's enhanced service and extra payment for front-end garbage collection at multi-residential properties (currently a total of 12 containers) continue.
8. That pricing of a new enhanced service for large item collection (parallel to the service approved for LDR properties) to those households in MR buildings with seven (7) or more residential units and MU properties with one (1) or more residential unit, that receive the Region's base curbside or enhanced front-end garbage collection service, be included in the upcoming Regional tender.

Appendix II



Public Works

1815 Sir Isaac Brock Way, PO Box 1042, Thorold, ON L2V 4T7
Tel: 905-980-6000 Toll-free: 1-800-263-7215 Fax: 905-685-0013
niagararegion.ca

Tuesday, December 10, 2019

VIA EMAIL

Tara Stephens
City Clerk
City of Welland
60 East Main Street
Welland, ON L3B 3X4

Dear Ms. Stephens:

Confirmation of Welland's Enhanced and Optional Enhanced Services for Niagara Region's New Waste Management Collection Contract

I am writing to request the City of Welland's confirmation of Enhanced and Optional Enhanced Services to be included at the start of Niagara Region's new Waste Management Collection Contract (the new contract), which commences on October 19, 2020.

In follow-up to the resolution made at the City of Welland's February 5, 2019 Council meeting (Report ENG 2019-02 – Region of Niagara 2020 Waste Collection Contract), Niagara Region has obtained pricing for the City's requested Enhanced and Optional Enhanced Services for the new contract.

There were a number of factors, which contributed to an overall increase in the costs from the previous contract, including: labour, insurance, fuel, and vehicle/technology costs. Municipalities across the Province have experienced price increases ranging from 20% to 114%. Additionally, the current collection provider was approximately \$4 million less annually than the next lowest bidder in 2009.

1) Requested Enhanced Services Provided to the City of Welland:

Provided below is a summary of Niagara Region's new contract costs to provide the City of Welland with its requested Enhanced Services. Pricing submitted by the contractor is subject to a diesel fuel price adjustment at the contract commencement date, to offset fluctuations from the time of the RFP submission. Annually thereafter, starting one (1) year after the contract commencement date, per annum prices are subject to a Consumer Price Index (CPI) adjustment and diesel fuel price adjustment.

Requested Enhanced Services	Total Number of Bins	Submitted Annual Price (excluding HST)
Containerized Garbage Collection at Multi-Residential (MR) Properties • Collection varies from one (1) to two (2) days-per-week, depending on location.	11	\$7,300.80

2) Optional Enhanced Service - Every-Other-Week Bulky Goods Collection at MR with Seven (7) or more units and Mixed-Use (MU) Properties with One (1) or more units:

Niagara Region's new contract cost to provide the City of Welland with Every-Other-Week (EOW) call-in curbside collection of designated bulky goods from MR buildings with seven (7) or more units and MU properties with one (1) or more residential unit, which receive the

Region's Base curbside collection of garbage OR containerized garbage collection service, would be **\$94,168.19 per year, excluding HST.**

3) Optional Enhanced Service - In-Ground Collection at MR, Industrial, Commercial & Institutional (IC&I) and MU Properties:

Niagara Region's new contract cost to provide the City of Welland with collection of garbage, Blue and Grey Box/Cart materials, and Green Bin/Cart materials from in-ground containers (e.g. MOLOK, Earth Bins) at MR, IC&I, MU, Public Space Litter and Public Space Recycling bin properties would be **\$75.00 per stop (based on crane collection) or \$55.00 per stop (based on front-end collection), excluding HST.**

Appendix 1 provides a comparison of the 2019 annual pricing vs. the first year pricing of the new contract, including Net HST but excluding diesel fuel price adjustment, which will be made at the commencement date, for the requested Enhanced and Optional Enhanced Services. Annually thereafter, starting one (1) year after the contract commencement date, per annum prices are subject to a Consumer Price Index (CPI) adjustment and diesel fuel price adjustment.

Confirmation of Enhanced and Optional Enhanced Services for New Contract:

Please confirm the list of Enhanced and Optional Enhanced Services the City of Welland would like included at the start of Niagara Region's new contract.

For your information, if any Enhanced and Optional Enhanced Services are selected for implementation in future years, the pricing will hold for the term of the contract, subject to annual Consumer Price Index (CPI) escalations.

Please provide your response to **Brad Whitelaw**, Program Manager, Waste Policy & Planning, at **905-980-6000 ext. 3316** or brad.whitelaw@niagararegion.ca by no later than **Friday, January 31, 2020**, or earlier if possible. If this date cannot be accommodated, please advise the alternative date the City will confirm these services.

If you have any questions, please call me at (905) 980-6000 ext. 3204.

Sincerely,



Catherine Habermebl,
Director, Waste Management Services

c. Travers Fitzpatrick, Acting General Manager / City Engineer Infrastructure and Development Services

Appendix 1 – Summary of Pricing for Enhanced and Optional Enhanced Services

Requested Enhanced Service	Total Number of Bins	2019 Annual Price (incl. Net HST)	Submitted Annual Price ⁽¹⁾ (incl. Net HST)
Containerized Garbage Collection at Multi-Residential (MR) Properties <ul style="list-style-type: none"> Collection varies from one (1) to two (2) days-per-week, depending on location. 	11	\$6,455.82	\$7,429.29

Optional Enhanced Service	2019 Annual Price (incl. Net HST)	Submitted Annual Price ⁽¹⁾ (incl. Net HST)
Bulky Goods Collection at MR and MU Properties <ul style="list-style-type: none"> EOW call-in curbside collection of designated bulky goods from MR buildings with seven (7) or more units and MU properties with one (1) or more residential unit, which receive the Region's Base curbside collection of garbage OR containerized garbage collection service 	n/a	\$95,825.55
In-Ground Collection at MR, IC&I and MU Properties <ul style="list-style-type: none"> Collect garbage, Blue and Grey Box/Cart, and Green Bin/Cart materials from in-ground containers (for example, MOLOK, Earth Bins) at MR, IC&I and MU properties, public space litter and recycling bins. 	n/a	\$76.32 per stop (crane coll'n) \$55.97 per stop (front-end coll'n)

Note:

- 1) Pricing submitted by the contractor is subject to a diesel fuel price adjustment at the contract commencement date, to offset fluctuations from the time of the RFP submission. Annually thereafter, starting one (1) year after the contract commencement date, per annum prices are subject to a Consumer Price Index (CPI) adjustment and diesel fuel price adjustment.

**Schedule 1
2019 Tax Rates**

<u>CLASS</u>	EDUCATION	REGION	REGION-WASTE	REGIONAL-TOTAL	CITY	TOTAL TAX RATE	
Residential/New Multi-Res	0.00161000	0.00566267	0.00075219	0.00641486	0.00796933	0.01599419	RT, NT
Residential - Education	0.00161000	-	-	-	-	0.00161000	RD
Multi-Residential	0.00161000	0.01115546	0.00148181	0.01263727	0.01569959	0.02994686	MT
Com. Occupied	0.01030000	0.00982417	0.00130497	0.01112914	0.01382600	0.03525514	CT, XT, DT, GT, ST, YT