

2. Draft Solid Waste Master Plan (Phase 3)

Plan directeur de la gestion des déchets solides (phase 3)

Committee Recommendations as Amended

That Council:

1. Receive, for information, the Draft Solid Waste Master Plan in advance of staff commencing the third Solid Waste Master Plan engagement series with residents, stakeholders and members of Council.
2. **Direct staff to begin the feasibility study and business case for alternative technologies for waste management ahead of the timelines outlined in the Draft Solid Waste Master Plan, including the exploration of Waste to Energy Incineration and Mixed Waste Processing, that are available, in operation, proven for managing and diverting municipal waste from landfills, that meet or exceed all current applicable environmental regulations, and that align with the Council-approved Solid Waste Master Plan vision statement, guiding principles and goals; and,**
3. **Approve that the feasibility study and business case include a fulsome triple bottom line evaluation of the environmental (including climate), social (including public health) and financial considerations of each alternative technology and that the City engage members of the public and key stakeholders on the completion of the terms of reference for the feasibility study and business case development; and,**
4. **Approve that, notwithstanding the need to study and fully consider a wide range of alternative technologies, staff be directed to prioritize Waste to Energy or Mixed Waste Processing technologies that have the greatest impact on reducing GHG emissions for the feasibility study and business case development; and**
5. **Direct staff to begin preliminary consultation and issue scoping with the Ministry of the Environment, Conservation and Parks during the feasibility study and business case development to ensure any**

considerations and concerns are incorporated into the feasibility study and business case; and,

6. Approve that, as part of the feasibility study, staff specifically seek to learn from the experiences of other municipalities in Ontario that have implemented Waste to Energy Incineration solutions; and ,
7. Direct staff to take advantage of any opportunities that may exist to expedite the feasibility study or business case for a Waste to Energy technology or a Mixed Waste Processing technology so as to encourage shorter timelines without compromising the rigour and quality of the overall analyses; and; and,
8. Approve that up to \$500,000 from Capital Account 909431- Long Term Planning be allocated to fund this study, pending Council's approval of the 2024 Capital Budget; and,
9. Direct staff to report back through committee to Council as to the timeline for the feasibility study and business case during Q2 2024; and,
10. Direct staff to report back through committee to Council on the feasibility study and business case during Q2 2025; and,
11. Direct staff to provide updates to Council upon request as to progress on the feasibility study and business case and report back through committee to Council if additional time is required to complete the feasibility study and business case.

Recommandations du Comité telles que modifiées

Que le Conseil municipal :

1. Prenne connaissance, pour information, de la version provisoire du Plan directeur de la gestion des déchets solides avant que le personnel de la Ville entame, avec les résidents, les parties prenantes et les membres du Conseil municipal, la troisième série de consultations portant sur ce plan;

2. Demande au personnel de commencer l'étude de faisabilité et l'analyse de rentabilité concernant les technologies de substitution pour la gestion des déchets avant l'échéancier prévu dans la version provisoire du Plan directeur de la gestion des déchets solides, notamment de se pencher sur les technologies d'incinération pour la transformation des déchets en énergie et de traitement des déchets mixtes qui existent, qui sont utilisées pour gérer les déchets municipaux et éviter qu'ils se retrouvent à la décharge, qui ont fait leurs preuves en la matière, qui respectent ou surpassent les exigences environnementales applicables, et qui cadrent avec la vision, les principes directeurs et les buts du Plan directeur de la gestion des déchets solides approuvé par le Conseil;
3. Approuve que l'étude de faisabilité et l'analyse de rentabilité s'accompagnent d'une évaluation fondée sur le concept de triple résultat des facteurs environnementaux (y compris climatiques), sociaux (y compris sanitaires) et financiers à prendre en compte pour chacune de ces technologies, et que la Ville consulte la population et les parties concernées en vue d'établir le cadre de référence de l'étude et de l'analyse;
4. Approuve que, nonobstant la nécessité d'étudier et de considérer pleinement un large éventail de technologies de substitution, le personnel reçoive pour instruction d'accorder la priorité, dans l'étude de faisabilité et l'analyse de rentabilité, à la transformation des déchets en énergie ou au traitement des déchets mixtes qui contribuent le plus à la réduction des émissions de GES;
5. Demande au personnel d'amorcer les consultations préliminaires et d'en établir la portée avec le ministère de l'Environnement, de la Protection de la nature et des Parcs pendant l'élaboration de l'étude de faisabilité et de l'analyse de rentabilité afin que celles-ci tiennent compte de toutes les considérations et préoccupations;
6. Approuve que dans le cadre de l'étude de faisabilité, le personnel cherche tout particulièrement à tirer des enseignements des expériences d'autres municipalités ontariennes ayant instauré des solutions d'incinération pour la transformation des déchets en

énergie:

- 7. Demande au personnel de tirer parti de toute occasion d'accélérer l'étude de faisabilité ou l'analyse de rentabilité concernant la technologie de transformation des déchets en énergie ou le traitement des déchets mixtes en vue de raccourcir les délais sans compromettre la rigueur et la qualité des analyses globales;**
- 8. Approuve qu'un montant maximal de 500 000 \$, provenant du compte d'immobilisations 909431 pour la planification à long terme, soit alloué à l'étude, sous réserve de l'approbation du budget des immobilisations de 2024 par le Conseil;**
- 9. Demande que le personnel fasse rapport au Conseil, par l'entremise du Comité, sur l'échéancier de l'étude de faisabilité et de l'analyse de rentabilité pendant le deuxième trimestre de 2024;**
- 10. Demande que le personnel fasse rapport au Conseil, par l'entremise du Comité, sur l'étude de faisabilité et l'analyse de rentabilité pendant le deuxième trimestre de 2025;**
- 11. Demande que le personnel fasse, sur demande, des comptes rendus au Conseil sur l'avancement de l'étude de faisabilité et de l'analyse de rentabilité et lui indique, par l'entremise du Comité, s'il lui faut plus de temps pour terminer l'étude de faisabilité et l'analyse de rentabilité.**

Documentation/Documentation

1. Extract of draft Minutes, Environment and Climate Change Committee, 21 November 2023.

Extrait de l'ébauche du procès-verbal, Comité de l'environnement et du changement climatique, le 21 novembre 2023.

2. Director's report, Solid Waste Services, Public Works Department, dated 30 October 2023 (ACS2023-PWD-SWS-0005)

Rapport de la Directrice, Services des déchets solides, Direction générale des travaux publics le 30 octobre 2023 (ACS2023-PWD-SWS-0005)

Extract of Draft Minutes 8
Environment and Climate
Change Committee

21 November 2023

Extrait de l'ébauche du
procès-verbal 8
Comité de l'environnement et
du changement climatique
Le 21 novembre 2023

Draft Solid Waste Master Plan (Phase 3)

File No. ACS2023-PWD-SWS-0005 – City-wide

Report recommendation

That the Environment and Climate Change Committee recommend that Council receive, for information, the Draft Solid Waste Master Plan in advance of staff commencing the third Solid Waste Master Plan engagement series with residents, stakeholders and members of Council.

Carried, as amended

Mr. Alain Gonthier, General Manager, Public Works Department (PWD), introduced Ms Shelley McDonald, Director, Solid Waste Services, (PWD) and Ms Nichole Hoover-Bienasz, Program Manager, Long Term Planning, PWD. Ms McDonald and Ms Hoover-Bienasz then spoke to a detailed slide presentation which served as an overview of the report. A copy of this presentation is held on file with the Office of the City Clerk.

Prior to the receipt of public delegations, the following Motions were introduced:

Motion N° ECCC 2023-08-05

Moved by Vice-Chair Carr:

WHEREAS the *Draft Solid Waste Master Plan – Phase 3* legislative report (ACS2023-PWD-SWS-0005) was submitted by staff with Supporting Document 1 – the Draft Solid Waste Master Plan; and,

WHEREAS Supporting Document 1 outlines the recommended Solid Waste Master Plan actions and corresponding Action Suites to support the City in

achieving the Council-approved Solid Waste Master Plan vision and goals;
and,

WHEREAS the Solid Waste Master Plan Technical Consultants, in
collaboration with Solid Waste Services staff, identified a typo of numerical
nature within Supporting Document 1 under Action Suite 5; and,

WHEREAS the typo of numerical nature did not impact calculations within the
Draft Solid Waste Master Plan;

THEREFORE BE IT RESOLVED that the Environment and Climate Change
approve:

1. An amendment to the text within Action Suite 5 be changed from
“Recycling: 209,000 tonnes over the 30-year plan” to “Recycling: 20,700
tonnes over the 30-year plan”; and,
2. The substitution of the revised Action Suite text to be included in the
report when it is submitted to City Council.

Motion N^o ECCC 2023-08-06

Moved by Councillor D. Brown:

WHEREAS the City of Ottawa is developing a new Solid Waste Master Plan to
guide how waste will be diverted and managed over the next 30 years; and,

WHEREAS Ottawa is a growing city with over one million residents who
currently produce 180,000 tonnes of garbage a year; and,

WHEREAS the City of Ottawa’s Trail Waste Facility Landfill is rapidly filling
and could reach capacity by 2034 if immediate action is not taken to increase
diversion and optimize landfill airspace; and,

WHEREAS the Solid Waste Master Plan has a Council-approved goal to
“extend the life of the Trail Waste Facility Landfill significantly beyond its
existing anticipated end of life to eliminate the need for a new residential
landfill”; and,

WHEREAS the Draft Solid Waste Master Plan identifies two alternative

technologies – Waste to Energy Incineration and Mixed Waste Processing – that could support the goal of extending the life of the Trail Waste Facility Landfill in support of the long-term solid waste diversion and management needs of Ottawa while reducing impacts on the environment; and,

WHEREAS based on the timelines outlined in the Draft Solid Waste Master Plan, direction to explore the feasibility of these alternative technologies would not begin until Q2 2024 at the earliest and only if approved through the Final Solid Waste Master Plan; and,

WHEREAS the City understands the need to explore and implement options to divert and manage waste and preserve airspace at the Trail Waste Facility Landfill as soon as feasibly possible; and;

WHEREAS at the Ottawa City Council meeting on May 24, 2023, by way of a Motion moved by Councillor Hubley and seconded by Councillor Brown, staff were directed to report on alternative technologies for waste management that are available, in operation, proven for managing and diverting municipal waste from landfills, that meet or exceed all current applicable environmental regulations, and that align with the Council-approved Solid Waste Master Plan vision statement, guiding principles and goals; and,

WHEREAS through the same Motion, staff were directed to be ready to conduct a feasibility study and business case for Council's preferred alternative disposal technology following Council's receipt of the Draft Solid Waste Master Plan if directed to do so;

THEREFORE BE IT RESOLVED that the Committee recommend that City Council direct staff to begin the feasibility study and business case for alternative technologies for waste management ahead of the timelines outlined in the Draft Solid Waste Master Plan, including the exploration of Waste to Energy Incineration and Mixed Waste Processing, that are available, in operation, proven for managing and diverting municipal waste from landfills, that meet or exceed all current applicable environmental regulations, and that align with the Council-approved Solid Waste Master Plan vision statement, guiding principles and goals; and,

BE IT FURTHER RESOLVED that the feasibility study and business case include a fulsome triple bottom line evaluation of the environmental (including

climate), social (including public health) and financial considerations of each alternative technology and that the City engage members of the public and key stakeholders on the completion of the terms of reference for the feasibility study and business case development; and,

BE IT FURTHER RESOLVED that, notwithstanding the need to study and fully consider a wide range of alternative technologies, staff be directed to prioritize Waste to Energy or Mixed Waste Processing technologies that have the greatest impact on reducing GHG emissions for the feasibility study and business case development; and

BE IT FURTHER RESOLVED that Council direct staff to begin preliminary consultation and issue scoping with the Ministry of the Environment, Conservation and Parks during the feasibility study and business case development to ensure any considerations and concerns are incorporated into the feasibility study and business case; and,

BE IT FURTHER RESOLVED that as part of the feasibility study, staff specifically seek to learn from the experiences of other municipalities in Ontario that have implemented Waste to Energy Incineration solutions; and,

BE IT FURTHER RESOLVED that staff be directed to take advantage of any opportunities that may exist to expedite the feasibility study or business case for a Waste to Energy technology or a Mixed Waste Processing technology so as to encourage shorter timelines without compromising the rigour and quality of the overall analyses; and,

BE IT FURTHER RESOLVED that up to \$500,000 from Capital Account 909431-Long Term Planning be allocated to fund this study, pending Council's approval of the 2024 Capital Budget; and,

BE IT FURTHER RESOLVED that staff report back through committee to Council as to the timeline for the feasibility study and business case during Q2 2024; and,

BE IT FURTHER RESOLVED that staff report back through committee to Council on the feasibility study and business case during Q2 2025; and,

BE IT FURTHER RESOLVED that staff provide updates to Council upon request as to progress on the feasibility study and business case and report

back through committee to Council if additional time is required to complete the feasibility study and business case.

The Committee then heard from the following delegations:

1. Mr. Myles Jones⁺, President / Data Protection Officer, Association Recherche Solutions Matières Résiduelles
2. Mr. William Stewart⁺
3. Ms Kate Reekie^{*}, Community Associations for Environmental Sustainability (CAFES)
4. Ms. Lisa Gander⁺, Project Lead, EnviroCentre
5. Mr. Brian Tansey^{**}

Correspondence was also received from Mr. John Dickie^{*}, Eastern Ontario Landlord Association (EOLO).

[+ Slide presentations/visuals/videos held on file with the Office of the City Clerk.]

*[* Individuals / groups marked with an asterisk above either provided comments in writing or by e-mail; all submissions and presentations are held on file with the Office of the City Clerk.]*

At the conclusion of Committee's questions to the delegations and to staff, and with discussions having been concluded, the report recommendations were put before Committee and were 'CARRIED', as amended by Motion N^{OS} ECCC 2023-08-05 and ECCC 2023-08-06 (with Councillor T. Kavanagh dissenting on Motion ECCC 2023-08-06).

That the Environment and Climate Change Committee recommend that Council:

1. **Receive, for information, the Draft Solid Waste Master Plan in advance of staff commencing the third Solid Waste Master Plan engagement series with residents, stakeholders and members of Council.**
2. **Direct staff to begin the feasibility study and business case for alternative technologies for waste management ahead of the timelines outlined in the Draft Solid Waste Master Plan, including the exploration of Waste to Energy Incineration and Mixed Waste Processing, that are**

available, in operation, proven for managing and diverting municipal waste from landfills, that meet or exceed all current applicable environmental regulations, and that align with the Council-approved Solid Waste Master Plan vision statement, guiding principles and goals; and,

3. Approve that the feasibility study and business case include a fulsome triple bottom line evaluation of the environmental (including climate), social (including public health) and financial considerations of each alternative technology and that the City engage members of the public and key stakeholders on the completion of the terms of reference for the feasibility study and business case development; and,
4. Approve that, notwithstanding the need to study and fully consider a wide range of alternative technologies, staff be directed to prioritize Waste to Energy or Mixed Waste Processing technologies that have the greatest impact on reducing GHG emissions for the feasibility study and business case development; and
5. Direct staff to begin preliminary consultation and issue scoping with the Ministry of the Environment, Conservation and Parks during the feasibility study and business case development to ensure any considerations and concerns are incorporated into the feasibility study and business case; and,
6. Approve that, as part of the feasibility study, staff specifically seek to learn from the experiences of other municipalities in Ontario that have implemented Waste to Energy Incineration solutions; and,
7. Direct staff to take advantage of any opportunities that may exist to expedite the feasibility study or business case for a Waste to Energy technology or a Mixed Waste Processing technology so as to encourage shorter timelines without compromising the rigour and quality of the overall analyses; and,
8. Approve that up to \$500,000 from Capital Account 909431- Long Term Planning be allocated to fund this study, pending Council's approval of the 2024 Capital Budget; and,

- 9. Direct staff to report back through Committee to Council as to the timeline for the feasibility study and business case during Q2 2024; and,**
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Carried, as amended