

Subject: Motion – City Renewable Energy

File Number: ACS2022-OCC-ENV-0005

**Report to Standing Committee on Environmental Protection, Water and Waste
Management on 17 May 2022**

and Council

25 May 2022

**Submitted on 6 May 2022 by Christopher Zwierzchowski, Committee Coordinator,
Council and Committee Services, Office of the City Clerk**

**Contact Person: Councillor Theresa Kavanagh, Bay Ward (7)
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Ward: City Wide

Objet : Motion – Énergie renouvelable de la Ville

Numéro du dossier : ACS2022-OCC-ENV-0005

**Rapport au Comité permanent de la protection de l'environnement, de l'eau et de
la gestion des déchets le 17 mai 2022**

et au Conseil municipal

le 25 mai 2022

**Soumis le 6 mai 2022 par Christopher Zwierzchowski, coordonnateur des
comités, Services au Conseil municipal et aux comités, Bureau du greffier
municipal**

**Personne-ressource : Theresa Kavanagh, conseillère municipale, Quartier Baie (7)
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Quartier : À l'échelle de la ville

REPORT RECOMMENDATIONS

**That the Standing Committee on Environmental Protection, Water and Waste
Management recommend Council:**

- 1. Direct staff to report back to Council by Q2 2022 and:**

- a) Identify at least three suitable roofs at City-owned facilities to increase renewable electricity generation through leasing solar rooftop equipment for net metering;
 - b) Establish a working group with Hydro Ottawa and technical experts by Q2 2022 to explore the potential for enhanced community net metering and further enable distributed energy resources.
2. Approve that, as part of the 2023 budget process, Planning Real Estate and Economic Development, Recreation, Culture and Facilities, Infrastructure and Water Services, or Innovative Client Services consider the requirement for one full-time equivalent (FTE) position and funding to develop and implement a distributed energy resource framework;
3. Approve that, contingent on sufficient resources, Council direct staff to report back to the Standing Committee on Environmental Protection, Water and Waste Management by Q4 2023 with:
- a) An evaluation of existing solar PV systems and impact to facilities installed at City owned facilities
 - b) A distributed energy resource framework for city-owned facilities and land including:
 - i. Renewable energy generation (solar and wind)
 - ii. Energy storage
 - ii. Demand response
 - iv. Potential policies to install distributed energy resources at City facilities or on City land
 - c) Staff and funding implications to implement and support the distributed energy resource framework.

RECOMMANDATIONS DU RAPPORT

Que le Comité de la protection de l'environnement, de l'eau et de la gestion des déchets recommande que le Conseil :

- 1. Demande au personnel de lui présenter d'ici le deuxième trimestre de 2022 un rapport sur les éléments suivants :
 - a) identification d'au moins trois toits convenables sur les installations appartenant à la Ville de façon à accroître la production d'électricité

renouvelable en louant de l'équipement solaire pour la facturation nette;

- b) création, d'ici le deuxième trimestre de 2022, d'un groupe de travail avec Hydro Ottawa et des experts techniques chargé d'étudier le potentiel de la facturation nette communautaire améliorée et de pousser davantage les ressources d'énergie distribuées;
2. Approuve que Planification, Immobilier et Développement économique, Loisirs, Culture et Installations, les Services d'infrastructure et d'eau ou la Direction générale des services novateurs pour la clientèle prévoient, dans le processus budgétaire 2023, un ETP et du financement pour l'élaboration et la mise en œuvre d'un cadre de ressources d'énergie distribuées;
 3. Approuve que, sous réserve de ressources suffisantes, le Conseil demande au personnel de présenter au Comité permanent de la protection de l'environnement, de l'eau et de la gestion des déchets d'ici le quatrième trimestre de 2023 un rapport comprenant les éléments suivants :
 - a) une évaluation des systèmes solaires photovoltaïques existants et de leurs répercussions sur les installations appartenant à la Ville;
 - b) un cadre de ressources d'énergie distribuées pour les installations et terrains appartenant à la Ville, comprenant les éléments suivants :
 - i. production d'énergie renouvelable (solaire et éolienne);
 - ii. stockage d'énergie;
 - iii. gestion de la demande;
 - iv. éventuelles politiques sur l'installation de ressources d'énergie distribuées dans les installations ou sur les terrains de la Ville;
 - c) les répercussions sur les effectifs et le financement de la mise en œuvre et du soutien du cadre des ressources d'énergie distribuées.!

BACKGROUND

The Motion below was first introduced by Councillor Kavanagh, seconded by Councillor Menard, as a *Motion requiring Suspension of the Rules of Procedure* at the Ottawa City

Council meeting of Wednesday, 13 April 2022 (Council Motion N^o 74/16). It was subsequently referred to the Standing Committee on Environmental Protection, Water and Waste Management (SCEPWWM) by Councillor Leiper, seconded by Mayor Watson (Council Motion N^o 74/17), and was introduced as a Notice of Motion at the 19 April meeting of SCEPWWM by Vice-Chair Menard, on behalf of Councillor Kavanagh, in order for it to return for consideration by the Committee at its next regular meeting, being Tuesday, 17 May 2022:

MOTION N^o SCEPWWM 2022 23-01

Moved by Councillor S. Menard (on behalf of Councillor T. Kavanagh):

WHEREAS the City of Ottawa has adopted a Climate Change Master Plan and Energy Evolution Strategy that identifies the need to eliminate the use of fossil fuels, electrify our transportation and most of our building heating systems and significantly increase local renewable electricity generation; and

WHEREAS the City of Ottawa has an existing green fleet strategy and electric bus pilot to support a transition away from fossil fuel reliant transportation; and

WHEREAS provincial regulations allow behind the meter generation where net production is consumed on site; and

WHEREAS the province may develop an enhanced community net metering policy that will enable Ottawa electricity customers to buy from local renewable electricity generation facilities at low, fixed prices; and

WHEREAS the City of Ottawa can produce electricity on many of its facilities; and

WHEREAS Distributed Energy Resources consisting of behind the meter renewable electricity generation and electricity storage are increasing globally; and

WHEREAS the City already has solar installed at 12 City-owned facilities; and

WHEREAS the City has land that could be used to produce local renewable electricity generation;

THEREFORE be it resolved that Council direct staff to report back to Council by Q2 2022 and:

- c) Identify at least three suitable roofs at City-owned facilities to increase renewable electricity generation through leasing solar rooftop equipment for**

net metering;

- d) **Establish a working group with Hydro Ottawa and technical experts by Q2 2022 to explore the potential for enhanced community net metering and further enable distributed energy resources.**

THEREFORE be it be further resolved that as part of the 2023 budget process, Planning Real Estate and Economic Development, Recreation, Culture and Facilities, Infrastructure and Water Services, or Innovative Client Services consider the requirement for one full-time equivalent (FTE) position and funding to develop and implement a distributed energy resource framework; and

THEREFORE be it further resolved that, contingent on sufficient resources, Council direct staff to report back to the Standing Committee on Environmental Protection, Water and Waste Management by Q4 2023 with:

- c) **An evaluation of existing solar PV systems and impact to facilities installed at City owned facilities**
- d) **A distributed energy resource framework for city-owned facilities and land including:**
 - i. **Renewable energy generation (solar and wind)**
 - ii. **Energy storage**
 - ii. **Demand response**
 - iv. **Potential policies to install distributed energy resources at City facilities or on City land**
- c) **Staff and funding implications to implement and support the distributed energy resource framework.**

DISCUSSION

The above Motion, referred from the meeting of Ottawa City Council of Wednesday, 13 April 2022, was introduced as a Notice of Motion by Vice-Chair Menard, on behalf of Councillor Kavanagh, at the SCEPWWM meeting of Tuesday, 19 April 2022, for consideration at the Committee's next meeting. The Motion will now be before Committee for consideration at its meeting of Tuesday, 17 May 2022.

RURAL IMPLICATIONS

This report was drafted to transmit the above Motion to the Committee for its meeting of 17 May 2022. No specific Rural Implications have been identified. Staff will be available at the meeting to respond to questions, as may be required.

CONSULTATION

This report was drafted to transmit the above Motion to the Committee for its meeting of 17 May 2022; no public consultation was undertaken in the preparation of this report.

STAFF COMMENTS

Infrastructure and Water Services, Recreation, Cultural and Facility Services, and Planning, Real Estate and Economic Development Departments

This motion supports Council's direction through the declaration of a Climate Emergency, Climate Change Master Plan and Energy Evolution to embed climate change considerations across all elements of City business and advances Council's goal to reduce corporate GHG emissions 100% by 2040 and community emissions 100% by 2050. The City is committed to working with internal and external partners, including Hydro Ottawa, as sustainable environmental practices show responsible management and good business sense. This approach is consistent with the City's Comprehensive Asset Management Program, which supports and promotes environmental and fiscal sustainability.

Increasing renewable electricity generation on City-owned facilities and establishing a working group with Hydro Ottawa and technical experts will continue to help the corporation and the community build capacity and identify technical, policy and financial opportunities and barriers which can be used to scale up distributed energy resources in line with what Energy Evolution calls for.

To embed renewable energy generation considerations across City business or significantly scale up corporate and community distributed energy resources, additional resources, including one-time equivalent (FTE) position and funding for the distributed energy resource framework, will be required in the 2023 budget.

Innovative Client Services Department

Supply Services staff in the Corporate Energy Management Office will work with their partners across the organization to support identifying potential Hydro savings through future work at City owned facilities.

Councillor's Comments (T. Kavanagh)

I am grateful for the assistance of the City Environment Team on working on this Motion to bring more renewable energy sources to our City buildings as well the mover, Councillor Menard and CAFES Executive Director, Angela Keller-Herzog..

COMMENTS BY THE WARD COUNCILLOR(S)

This report is city-wide in nature.

ADVISORY COMMITTEE(S) COMMENTS

This report was drafted to transmit the above Motion to the Committee for its meeting of 17 May 2022; no Advisory Committee consultation was undertaken in the preparation of this report.

LEGAL IMPLICATIONS

There are no legal impediments to Committee and Council's approval of the recommendations of this report.

INDIGENOUS, GENDER AND EQUITY IMPLICATIONS

This report was drafted to transmit the above Motion to the Committee for its meeting of 17 May 2022. No specific Indigenous, Gender and Equity Implications have been identified. Staff will be available at the meeting to respond to questions, as may be required.

RISK MANAGEMENT IMPLICATIONS

This report was drafted to transmit the above Motion to the Committee for its meeting of 17 May 2022. No specific Risk Management Implications have been identified. Staff will be available at the meeting to respond to questions, as may be required.

ASSET MANAGEMENT IMPLICATIONS

This report was drafted to transmit the above Motion to the Committee for its meeting of 17 May 2022. No specific Asset Management Implications have been identified. Staff will be available at the meeting to respond to questions, as may be required.

FINANCIAL IMPLICATIONS

Recommendations 1 and 3: There are no direct financial implications with the recommendations. Financial implications associated with the review and evaluation results will be identified in the respective reports back to Council. Recommendation 2: In the event that the result of the review is that an FTE is required, the budget pressure will

be brought forward for Council consideration through the 2023 Draft Operation Budget, subject to funding.

ACCESSIBILITY IMPACTS

This report was drafted to transmit the above Motion to the Committee for its meeting of 17 May 2022. No specific Accessibility Impacts have been identified. Staff will be available at the meeting to respond to questions, as may be required.

ENVIRONMENTAL IMPLICATIONS

This report was drafted to transmit the above Motion to the Committee for its meeting of 17 May 2022. No specific Environmental Implications have been identified. Staff will be available at the meeting to respond to questions, as may be required.

TERM OF COUNCIL PRIORITIES

This report was drafted to transmit the above Motion to the Committee for its meeting of 17 May 2022. No specific Term of Council Strategic Priorities have been identified. Staff will be available at the meeting to respond to questions, as may be required.

DISPOSITION

Staff will take direction from Committee and Council, as appropriate.