

**Report to
Rapport au:**

**Information Technology Sub-Committee
Sous-comité de la technologie de l'information
31 March 2016 / 31 mars 2016**

**Submitted on March 24, 2016
Soumis le 24 mars 2016**

**Submitted by
Soumis par:**

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Ward: CITY WIDE / À L'ÉCHELLE DE LA VILLE File Number: ACS2016-COS-ITS-0002

SUBJECT: Ottawa - Smart City

OBJET: Ottawa – Ville intelligente

REPORT RECOMMENDATIONS

**That the Information Technology Sub-Committee receive this report for
information.**

RECOMMANDATIONS DU RAPPORT

**Que le Sous-comité de la technologie de l'information prenne connaissance du
présent rapport.**

BACKGROUND

Following the discussion regarding municipal broadband during the City Council meeting of 24 February 2016, there has been a growing interest in the topic of broadband and how that can enable a municipality and the community it serves to adopt 'Smart City' practices. As referenced during the Council debate, staff in the Economic Development and Innovation department and the Information Technology Services department have conducted research and analysis into what constitutes a Smart City for Ottawa and the components required for implementing a coordinated Smart City Plan. At the request of the Chair and Vice Chair of the Information Technology Sub-Committee, staff are preparing a presentation to accompany this report that will provide context to Information Technology Sub-Committee members around Smart City opportunities in Ottawa.

DISCUSSION

Smart Cities are built on a robust broadband network available to all residents and businesses, with capacity for exponential growth to manage the growing demand for digital bandwidth. Smart Cities allow for technologies to be embedded across the entire community including municipal applications for better resource use, improved operations and driving technology based innovations.

Ottawa already has several components of Smart City technology initiatives throughout the City and in the community -- everything from smart traffic management tools, asset tracking, LED lighting and smart buildings, to the high-tech sector building Smart City applications and leading edge technology products which are dependent on ultra high-speed broadband. However, global best practices suggest that this trend of deploying Smart City applications is just beginning and hence creating a significant opportunity for the residents and businesses of Ottawa.

The presentation to the Information Technology Sub-Committee will provide further detail on the following topics:

- Defining Smart City
- Physical infrastructure
- Soft Infrastructure
- Best Practices and Trends
- City of Ottawa Context
- Local Eco-System
- Provincial and Federal Policies
- Opportunities
- Potential Next Steps

RURAL IMPLICATIONS

Broadband and related Smart City applications have the ability to have a positive impact on the rural parts of Ottawa. Future work on the Smart City subject will determine the scope of such impacts.

CONSULTATION

Limited consultation has taken place locally with Hydro Ottawa and Invest Ottawa, as well as some discussions with organizations involved in Smart City projects in other parts of North America. Future consultations will be based on the direction received from the Information Technology Sub-Committee.

ADVISORY COMMITTEE(S) COMMENTS

No advisory committee comments were collected for the purposes of this report.

LEGAL IMPLICATIONS

There are no legal impediments to receiving this report for information.

RISK MANAGEMENT IMPLICATIONS

There are no risk implications.

FINANCIAL IMPLICATIONS

There are no financial implications associated with this report.

ACCESSIBILITY IMPACTS

There are no impacts to people with disabilities and/or seniors in terms of reducing, removing or preventing barriers associated with the contents of this report.

TECHNOLOGY IMPLICATIONS

There are technology implications with all Smart City applications. Future work on the Smart City subject will determine the scope of such impacts.

TERM OF COUNCIL PRIORITIES

This report aligns to the following 2015-2018 Term of Council Priorities:

Economic Prosperity – EP1 Promote Ottawa; EP2 Support growth of local economy
Healthy & Caring Communities – HC1 Advance equity and inclusion for the City's diverse population

Service Excellence – SE2 Improve access to City services through digital service delivery

DISPOSITION

Staff in the Economic Development and Innovation department and the Information Technology Services department will action any direction received as part of consideration of this information report.