City of Mississauga
Corporate Report

Date: May 21, 2021	Originator's files:
To: Chair and Members of General Committee	
From: Shawn Slack, MBA, Acting Commissioner of Corporate Services and Chief Financial Officer	Meeting date: June 9, 2021

Subject
2020 Smart City Annual Report

Recommendation
That the corporate report entitled, "2020 Smart City Annual Report", dated May 21, 2021, from the Acting Commissioner of Corporate Services Department and Chief Financial Officer, be received for information.

Executive Summary

- The Smart City Master Plan was endorsed by Council on July 3, 2019. The Smart City Master Plan directed staff to develop a Smart City Annual Report along with the creation of a Smart City Policy.The 2020 Smart City Annual Report identifies the progress of implementing the Smart City Master Plan

- The City of Mississauga has received the following awards and certifications: ISO 37122 Smart City Early Adopter Certification, Smart 21 Global Award, Ranked #8 in North America for the Open Cities Index, and Ranked #10 in North America for the Geospatial Maturity Index

- The City has created an inventory of over 80 Smart City asset classes that can be visualized and downloaded from the Open Data Portal under the Official Smart City Asset Registry link

- Part of Mississauga's Smart City Program is engaging with the public through our Centre for Civic Curiosity. The Centre is a virtual and physical space where the public can explore, learn, connect, and contribute to the future of Mississauga

- The Smart City Policy is in the early stages of development. This policy is designed to enable digital in the physical realm with the trust of our citizens. The City is initiating a citizen engagement phase that will empower co-creation of the Smart City Policy. This engagement is planned to launch during the summer of 2021

> • In addition, the City of Mississauga is planning to work with other cities across Canada by developing a Canadian Smart City Network, a sub-committee of the Public Safety Broadband Network (PSBN)

Background

The Smart City Master Plan was endorsed by Council on July 3, 2019. The Master Plan focuses on how technology will continue to enhance the quality of life for everyone in Mississauga. The Master Plan directed staff to develop a Smart City Annual Report along with the creation of a Smart City Policy, both of which are highlighted in this report.

Since the endorsement of the Smart City Master Plan, the team's focus has been on pivoting in response to COVID-19. This pandemic was the largest disrupter to daily life that our world will likely see for many generations to come. Through this pandemic, we have had to pivot the way we deliver services to our citizens. To learn about how we have adapted to this new world, please read our COVID-19 Corporate Report to City Council.

Comments

The 2020 Smart City Annual Report identifies areas of progress towards the implementation of the Smart City Master Plan. This includes: project accomplishments, certifications, awards, description of existing smart city assets, progress on significant policies and future-proofing Mississauga.

Smart City Awards / Certifications
The following awards and certifications are evidence that the City of Mississauga in many ways is already a Smart City. These awards and certifications include:
- ISO 37122 Smart City Early Adopter Certification - Issued by the World Council on City Data (WCCD)
- Smart21 - The Intelligent Communities Forum (ICF) selects 21 finalists to receive this recognition, based on a survey of communities from around the world
- Open Cities Index - The Public Sector Digest (PSD) measures municipal open data programs and policies amongst Canada and the United States to formulate the Open Cities Index. The City of Mississauga ranked #8 in North America
- Geospatial Maturity Index - The Public Sector Digest (PSD) measures public sector organizations comparing GIS departments and program maturity amongst their peers. This City of Mississauga ranked #10 in North America

Innovation Corridor
Mississauga is located in the Toronto-Waterloo Innovation Corridor and is leading the way in innovation by investing in people and driving long-term economic success. Focused on having the right infrastructure in place for innovation and growth, Mississauga has the potential to become one of the world's top innovation ecosystems. For example, Mississauga is home to the Xerox Research Centre Canada, a 27,000 sq. foot innovative Centre at the Sheridan Science

and Technology Campus that houses the [Research Innovation and Commercialization (RIC) Centre](#) & [Green Centre of Canada](#) and the [Ontario Centre of Excellence (OCE),](#) who are dedicated to helping start-ups bring their concept to commercialization and for engineers to test and develop advanced technologies to address climate change, medical devices, advanced manufacturing and connectivity.

Official Smart City Asset Registry

The following list of key programs are described in the report. These key programs illustrate the City's commitment to Smart City investments:

- Business to Business (B2B) Platform
- Digital Main Street
- Public Sector Network (PSN)
- Wireless Network
- Home Internet Speed Measuring Program
- 5G
- Advanced Traffic Management System (ATMS)
- Smart LED Streetlight
- iParks
- Lakeview, Bright Water and Oxford Developments

The City has created an inventory of over 80 Smart City asset classes that can be visualized and downloaded from the Open Data Portal under the Official Smart City Asset Registry link. These Smart City asset classes include the:

- Title of the asset
- Brief description
- Lead department
- Category of the asset
- Links to additional resources
- Identification of pilot projects and the
- Vertical application areas

Each asset class is considered a grouping such that one asset class may contain many individual assets. For example, the Automated Traffic Management System (ATMS) is an asset class comprised of roughly 800 intersections with multiple assets contained within each intersection. This registry will be updated annually and made available to all citizens.

Data is the Foundation of a Smart City

Data is at the core of a Smart City used to provide evidence and drive decision making. Data provides insights, historical context, allows for prediction, unravels relationships between different business elements, discovers patterns, and enables storytelling campaigns to drive meaningful change. Data and Data Governance efforts are of key importance to the Smart City Program.

Centre for Civic Curiosity

Part of Mississauga's Smart City Program is engaging with the public through our Centre for Civic Curiosity. The Centre is a virtual and physical space where the public can explore, learn, connect, and contribute to the future of Mississauga. In 2020, the Smart City Open Data Challenge was launched, the City's first virtual hackathon. To learn more about this event and to see the winners, please go to the Smart City Open Data Challenge.

Future-Proof Mississauga

The next 10 years are going to be about disruptive change and Mississauga is preparing for those changes. The current research, focus areas, and work lays the foundation for a prosperous future for the City of Mississauga.

Engagement and Consultation

In addition to the engagements noted through the 'Center for Civic Curiosity', as directed by the Smart City Master Plan, City of Mississauga staff will be embarking on a citizen engagement initiative to co-create the Smart City Policy. The Smart City Policy is designed to enable digital in the physical realm with the trust of our citizens. This engagement is planned to launch during or prior to the summer of 2021. Engagement events will be published on our Smart City website smartcity.mississauga.ca.

In addition, the City of Mississauga is planning to work with other cities across Canada by developing a Canadian Smart City Network, a sub-committee of the Public Safety Broadband Network (PSBN). The sub-committee was launched in 2021 and is building awareness and membership.

Financial Impact

There are no financial impacts resulting from the recommendations in this report.

Conclusion

The 2020 Smart City Annual Report summarizes how the City of Mississauga in many ways is already a Smart City. The report illustrates key initiatives where citizens and businesses can learn about the modernization of our city. The report also identifies various awards and certifications that provide evidence that the City of Mississauga is already a Smart City.

The current focus of the Smart City program is on co-creating the Smart City Policy through a Citizen Engagement initiative.

Shawn Slack, MBA, Acting Commissioner of Corporate Services and Chief Financial Officer
Prepared by: Steve Czajka, OLS, OLIP, Manager, Smart City