

EDMONTON'S DIGITAL ACTION PLAN

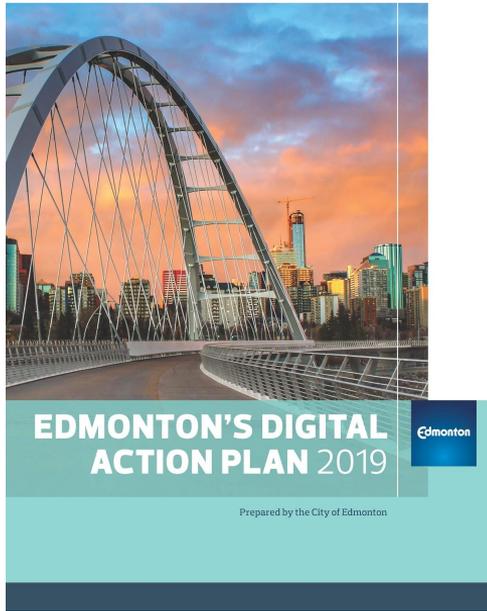


Edmonton

Open City and Technology
Financial and Corporate Services

Executive Committee, January 18, 2021

Edmonton's Digital Action Plan



High Level Summary

The Digital Action Plan's work is underway.

- Report includes snapshot of the actions to achieve the goals outlined in the Digital Action Plan
- Further discussions with Telus about their 'Living Lab' are scheduled for later in January
- Post-pandemic economic recovery has emerged as a new digital priority

Goal 1: Connected Community

Examples

GOAL	OBJECTIVE	ACTION
Bridge the digital divide and continue to build a connected community and region.	Enhancing resident experiences by using digital and connected technologies.	<u>Digital ID</u>
	Working with regional partners to improve access to broadband and wireless networks for residents of the region.	- <u>Partnership with EPL</u> - <u>LRT Underground Cellular Connectivity</u>
	Improving digital literacy and digital rights for residents.	<u>Join the Cities Coalition for Digital Rights</u>

Goal 2: Thought Leadership

Examples

GOAL	OBJECTIVE	ACTION
Demonstrate thought leadership in Smart City implementation by leading the deployment of next generation wireless networks.	Thought leadership in next generation wireless technology and smart city deployments.	<u>LoRaWAN Network to Power the Internet of Things (IoT)</u>
	The removal of municipal barriers pertaining to wireless network deployments.	<u>Working with Major Carriers to streamline 5G infrastructure investment</u>
	Collaborate with regional partners to promote economic development in the Edmonton region to attract new investments.	<u>Leading Conversations with Other Orders of Government</u>

Digital Transformation

Advancing Economic Recovery



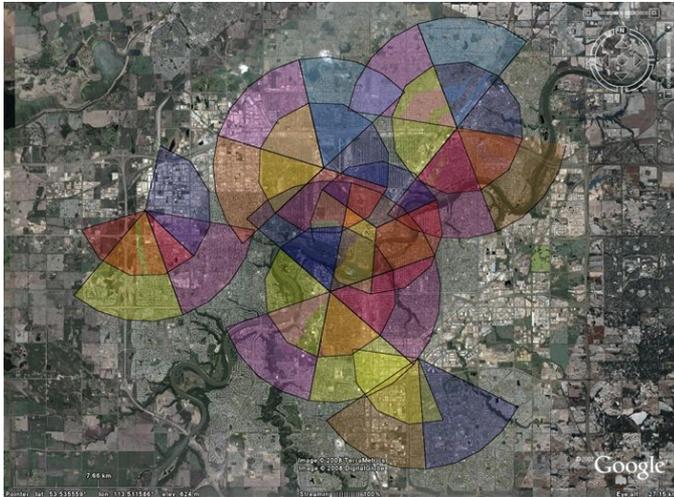
5G Stakeholders

Roles & Responsibilities

STAKEHOLDER	ROLES & RESPONSIBILITIES	Benefits
Telecommunications Companies	<ul style="list-style-type: none"> 5G Infrastructure Installation Acquisition and roll-out of 5G Spectrum 	Revenue generation and a greater role in the national political economy
Federal Government	<ul style="list-style-type: none"> 5G Spectrum Auction CRTC Regulations and Legislation governing 5G technology Health/Environmental Standards 	Shape the National economy and provide thought leadership in the areas regulatory frameworks for governing next generation connectivity.
Municipal Government	<ul style="list-style-type: none"> Right of Way Agreements Foster and guide opportunities 	Signal to industry and investors Edmonton's digital competitive advantages
External Partners and Private Industry	<ul style="list-style-type: none"> Greenfield developments across suitable industries and opportunities Hardware/Software development 	Piloting, prototyping and scale-up of business opportunities

LoRaWAN Network

City of Edmonton



LoRaWAN stands for Long Range Wide Area Network. It enables data communication over a long range while using very little power. Data can travel long distances without a cellular connection.

LoRaWAN doesn't replace 5G but offers a low-cost solution for specific use cases.

For Example:

- *Monitoring the quality of water in a swimming pool*
- *Identifying the presence of hazardous gases at a site*
- *Counting the number of vehicles in a parkade*

Next Steps

Overview

REVIEW THE DIGITAL ACTION PLAN

