

# York Region Departmental Broadband Uses

Presentation to  
**Broadband Advisory Task Force**

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# Purpose

- Provide an overview of how York Region's departments use Broadband technology to deliver services
- NOTES:
  - Includes all Broadband uses; not just YTN
  - Does not include typical business operations such as e-mail and file sharing
  - Finance (IT Services) is not included in this review given their role in enabling connectivity capacity of ALL other departments

# Community & Health Services



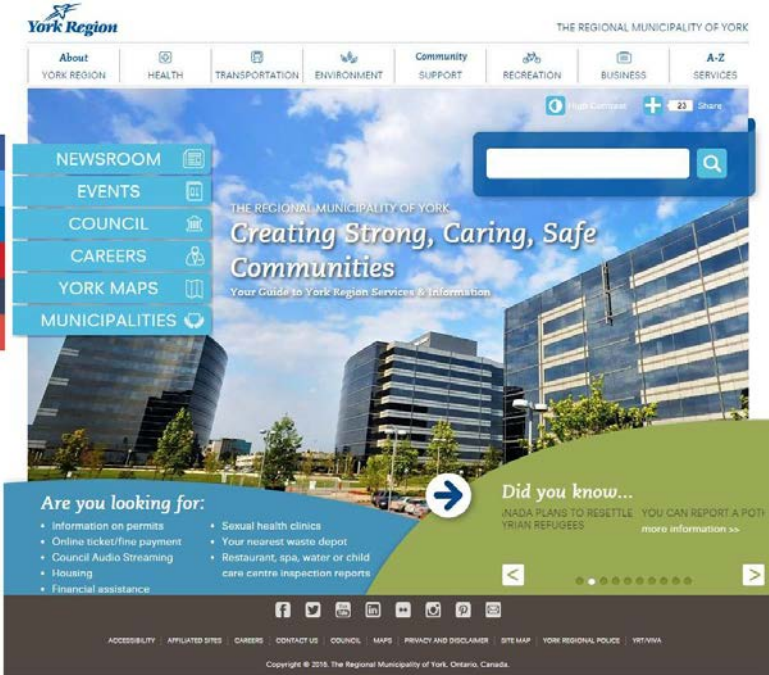
## Current Uses

- Building automation systems
- Ontario Telemedicine Network (OTN) Access
- EMS Mobile Data Terminals
- Electronic Patient Care record creation and sharing
- Sharing and updating of maps
- Sharing departmental updates via video and message boards
- Facility security systems

## Possible Future Uses

- Wi-Fi access for housing residents
- Nurse call systems in LTC facilities
- eHealth Program access
- Live video conferencing with health practitioners

# Corporate Services



## Current Uses

- Security Monitoring and CCTV
- Building access control and automation systems
- Fleet vehicle tracking
- Video uploads and streaming
- Live, on-site social media posts
- Distribution of internal and external communications (e.g. e-newsletters) and media materials
- Corporate website updates

## Possible Future Uses

- Facility/equipment asset tagging
- Response to increased demand for video content
- “Gamification” opportunities to drive public engagement in Regional initiatives

# Environmental Services

## Current Uses

- Security Systems at water facilities
- Access to GIS and other essential programs
- Remote control of systems & facilities
- Fleet vehicle and driver tracking
- Video monitoring and surveillance of dumping sites
- SCADA monitoring and data transfer linkages
- Disaster recovery systems

## Possible Future Uses

- Drone camera photo and video streaming from construction sites
- CCTV and video security monitoring systems at water facilities
- Increased use of mobile devices for controlling systems and facilities
- Increased capacity for increased data capture frequency for near real-time analytics

# Transportation Services



## Current Uses

- Real-time traffic monitoring and signal control
- Remote uploading/downloading of traffic signal timings and schedules
- Remote control of Traffic CCTV cameras
- Monitoring of transit signal detectors that monitor and track vehicle locations
- Enable data communications to ticket vending machines, PRESTO equipment, emergency push buttons, etc.

## Possible Future Uses

- Installation of public Wi-Fi at Transit Terminals
- Increased traffic camera video coverage and streaming
- Integration of travel-time info and signal timings to vehicle on-board navigation and safety systems

*York Region*

# York Regional Police



## Current Uses

- Data link to police vehicles to allow for database queries/look-ups via mobile data terminal
- In-car video upload to central servers
- Portable/handheld devices used for patrols on foot, bicycle or small vehicles
- Video downlink from aerial police vehicles
- Vehicle tracking

## Possible Future Uses

- Streaming in-car video back to 911 dispatch centers
- Body camera video and Bio-feedback from first responders during events
- Access to property info for fire, building schematics, blue-prints, geographical hazards, evacuation plans, property owner information, etc.

# DISCUSSION

