



# Northumberland Radio Tower Project

## Project Update

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Associate Director of Engineering  
July 29, 2024

# Overview

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- ▶ Scope of Work
- ▶ Items not in scope
- ▶ Status of work
- ▶ Budget update
- ▶ Schedule update

# Scope of Work

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- ▶ Procurement of all radio equipment, materials and consumables
- ▶ Installation and configuration of all equipment and components needed for the new radio system
- ▶ Tower installation of new antennas and feed lines required for the new radio system
- ▶ Decommissioning and removal of existing county radio tower

# Items Out of Scope

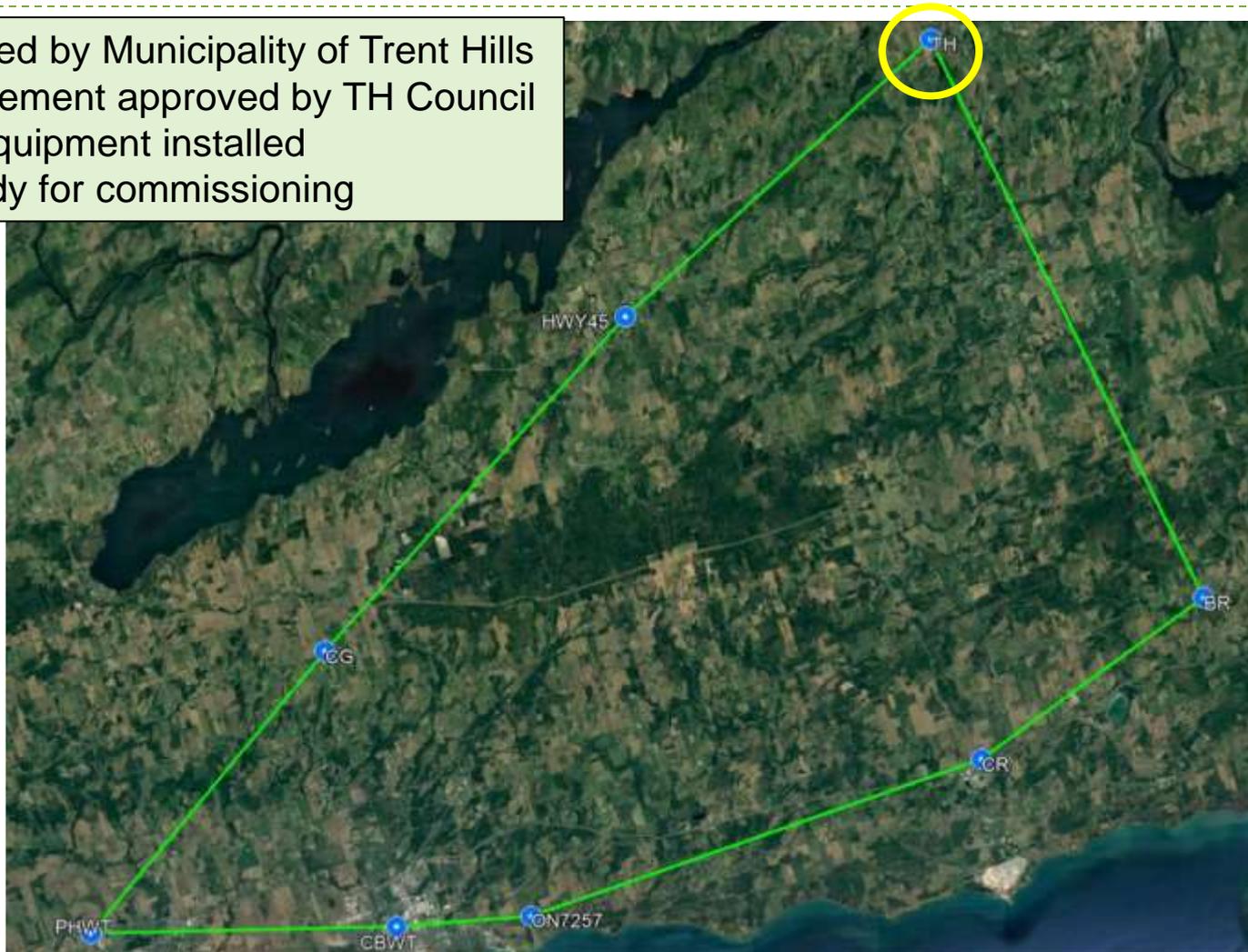
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- ▶ Any work associated with operations (i.e. dispatch services, handheld radios, etc.)



# Trent Hills Tower

- Owned by Municipality of Trent Hills
- Agreement approved by TH Council
- All equipment installed
- Ready for commissioning



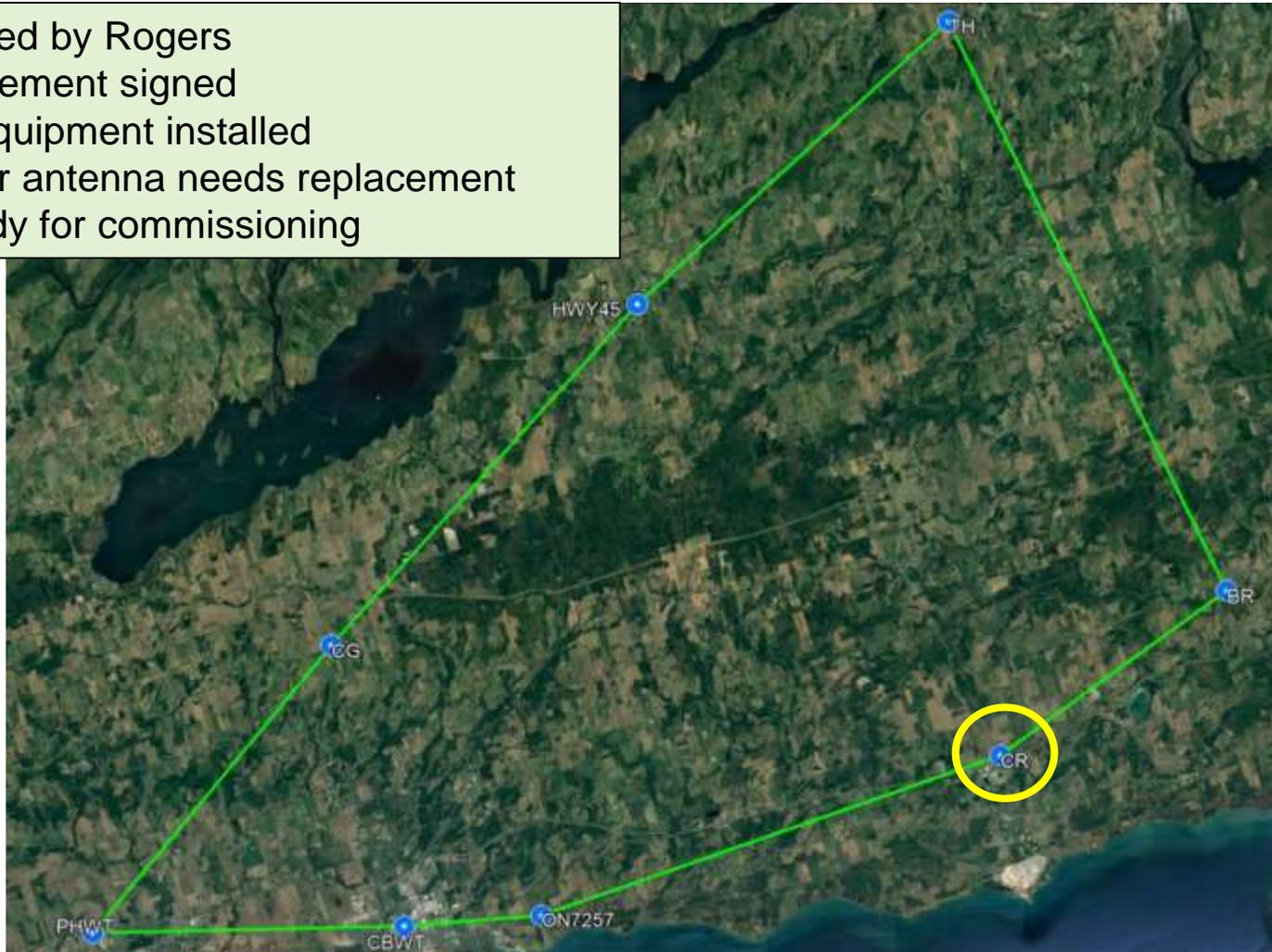
# Brighton Tower

- Owned by American Towers
- Agreement fees being negotiated
- Equipment is ready to be installed



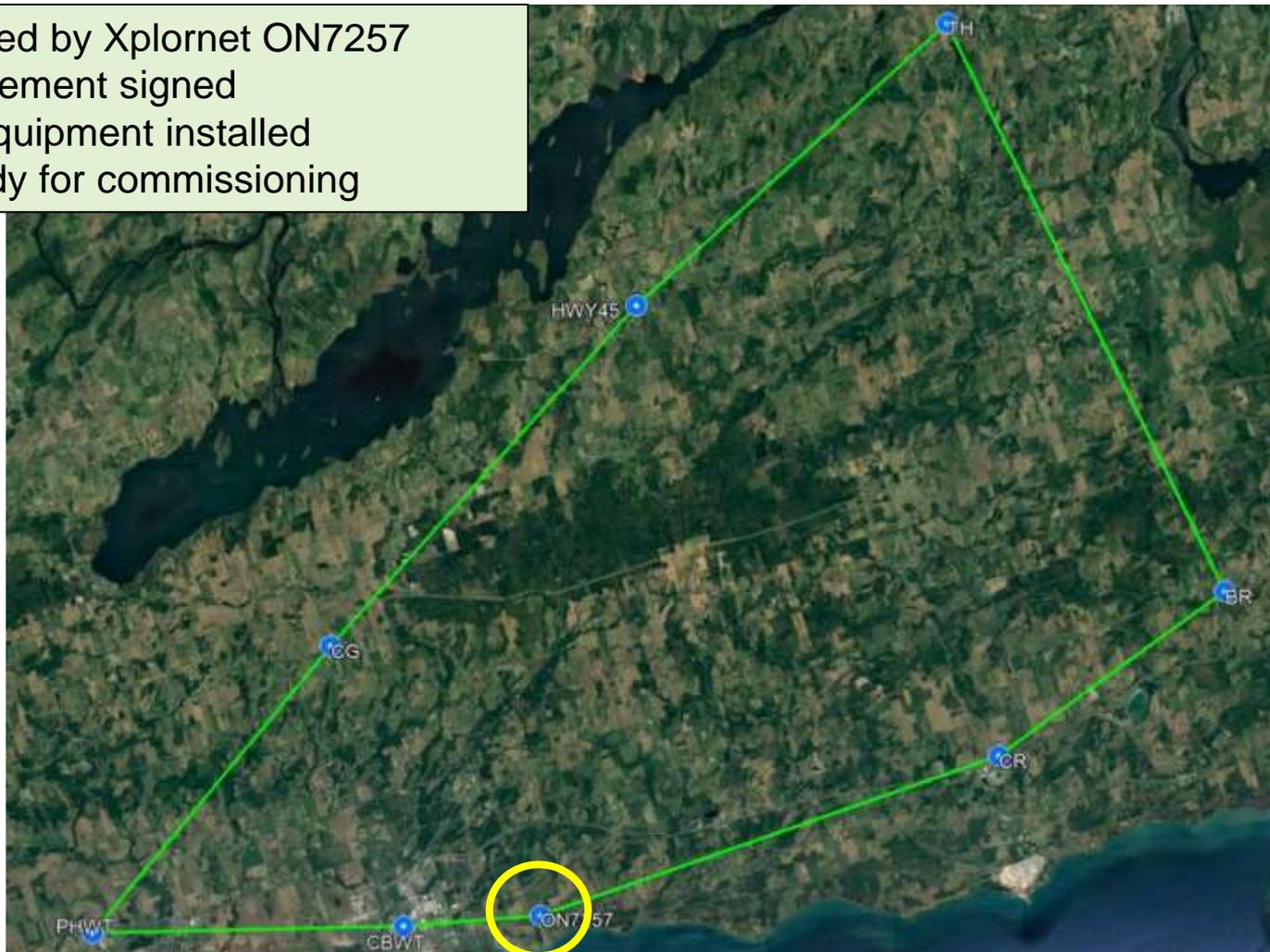
# Cramahe Tower

- Owned by Rogers
- Agreement signed
- All equipment installed
- Older antenna needs replacement
- Ready for commissioning



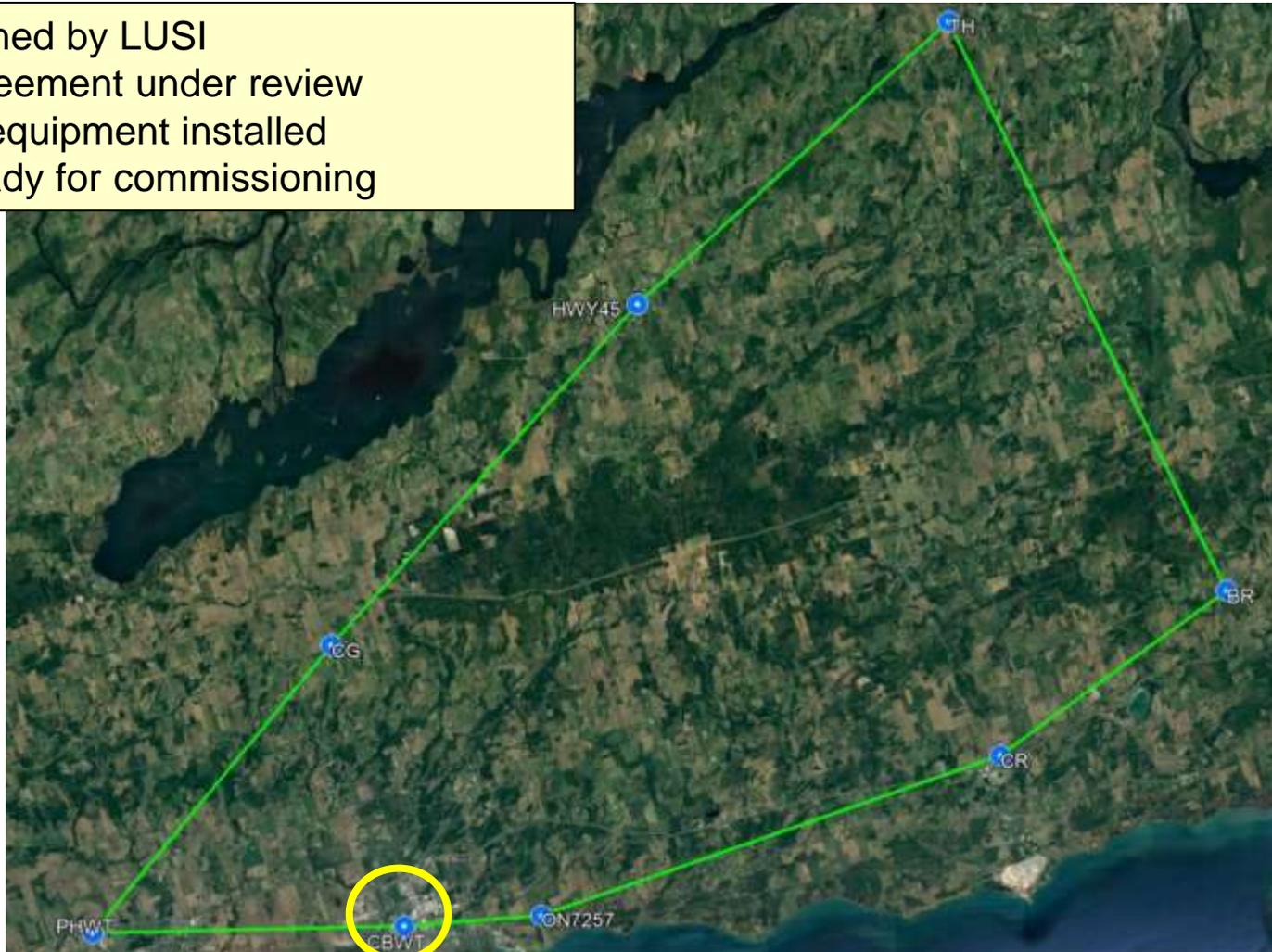
# Alnwick/ Haldimand Tower

- Owned by Xplornet ON7257
- Agreement signed
- All equipment installed
- Ready for commissioning



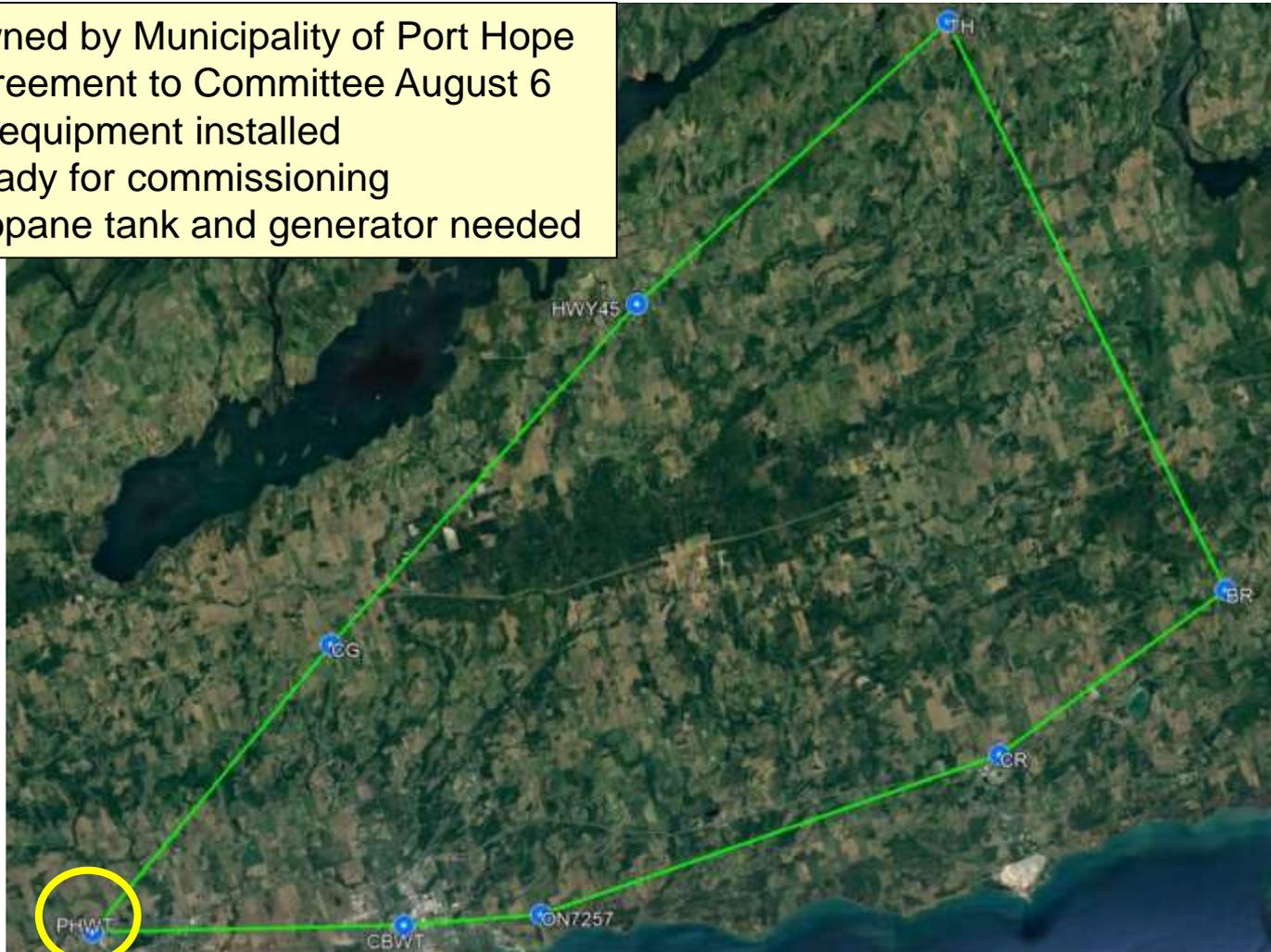
# Cobourg Water Tower

- Owned by LUSI
- Agreement under review
- All equipment installed
- Ready for commissioning



# Port Hope Water Tower

- Owned by Municipality of Port Hope
- Agreement to Committee August 6
- All equipment installed
- Ready for commissioning
- Propane tank and generator needed



# Hamilton Tower

- Owned by Canada Coast Guard
- Agreement signed
- All equipment installed
- Ready for commissioning
- Propane tank and generator needed



# Alderville Tower

- Owned by Alderville First Nation
- Agreement signed
- All equipment installed
- Ready for commissioning
- Propane tank and generator needed



# Approved Project Budget

Description	Amount
Submitted Project Cost (BearCom)	\$472,951
Service Parts (for on-going maintenance/repair)	\$19,720
<b>TOTAL SUBMITTED COST</b>	<b>\$492,671</b>
Non-recoverable HST	\$8,671
<b>TOTAL SUBMITTED COST (incl. HST)</b>	<b>\$501,342</b>
Project Contingency (5%)	\$25,000
<b>TOTAL PROJECT COST</b>	<b>\$526,342</b>

# Change Orders

Description	Amount	Status
Remove and relocate osprey nest at Alderville Tower	\$2,600	completed
Extension of fence at Alderville Tower	\$7,000	completed
Engineering design services for Cobourg Water Tower assessment	\$6,500	completed
Additional Bearcom assistance for technical consulting, agreement consultation, ISED assistance for re-organizing tower licenses and legal meeting	\$17,457	under review
<b>Total</b>	<b>\$33,557</b>	
Contingency	\$25,000	
<b>Overbudget*</b>	<b>\$ 8,557</b>	

\* Request for additional funds, as needed to be brought forward in upcoming Committee/Council meeting for approval

# Schedule Update

Task	July	Aug.	Sept.	Oct.
Install equipment on Brighton Tower	█			
Install propane and generators (3 locations)	█			
Stress test system		█		
Commission towers		█		
Program radios		█	█	
Remove County tower				█

# Questions?