

VIA EMAIL



December 19, 2012

File: 3144.0003.02

County of St. Paul No. 19  
5015 - 49 Avenue  
St. Paul, Alberta, T0A 3A4

**Attention: Sheila Kitz, CAO**

**RE: Ashmont – Lottie Lake Towers, REF Change Order Number 4**

Further to our conversation, we have prepared an estimated cost comparison between Change Order Number 4 (CO4) and the opportunity to replace 1 of the proposed towers with the existing school tower south of the Ashmont Water Treatment Plant site.

As outlined in CO4 the breakdown of costs include:

Item	Cost
Equipment	\$7,000
Radio Installation	\$4,300
Tower Installation	\$10,000
Tower Bases and Drawings	\$15,900
Engineering Fee (Glentel)	\$300
<b>SubTotal</b>	<b>\$37,500</b>
10% Overhead	\$3,750
10% Contingency	\$3,750
<b>TOTAL</b>	<b>\$45,000</b>

Based on a conversation with GLENTEL, we believe that the removal of 1 tower installation will save approximately \$9,000 + \$900 (overhead) + \$900 (contingency) = \$10,800\*. However, we will need to add additional components including wiring from the WTP site to the school tower site and estimate this to be \$1,500\*. Total capital savings are therefore estimated at \$9,300.

We understand that the County would rent space on the school tower for \$150/month or \$1,800 per year.

Based on the above information, the initial capital savings would be eroded in 6 years. WTP infrastructure is typically designed for a minimum 25 year life cycle. Over the life of the WTP, the additional cost of renting space on the tower would be \$34,200.

Given the long term additional costs, we recommend that the County continue to pursue the installation of a second tower at the Ashmont WTP site.

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Sincerely,  
**URBAN SYSTEMS LTD.**

A handwritten signature in blue ink, appearing to read "MB", followed by a long horizontal flourish.

Matthew Brassard, P.Eng  
Principal, Project Leader

/MB

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