



Water Meters are coming to Cardinal, and that's a good thing!

Township of Edwardsburgh / Cardinal Public Meeting October 18, 2011

**Alain Lalonde, P.Eng. – President & CEO
Gary Cannon, P.Eng. – Senior Project Manager
Veritec Consulting Inc.**

Township of Edwardsburgh / Cardinal – Water Meters in Cardinal – Public Meeting - Oct. 2011



Why Universal Water Metering?



- Move from a “Flat Rate” to a more equitable “User Pay Rate”.
- Encourages users to be more efficient.
- Provides a means to determine if there are leaks within the home.
- Provides utility operators with water use data to better gauge system performance and plan system improvements.
- Makes the users accountable.



Township of Edwardsburgh / Cardinal – Water Meters in Cardinal – Public Meeting - Oct. 2011



Advantages of Water Metering



- Metering will reduce demands on average between 10 to 20% adding system capacity and reducing impact on wastewater system.
- Will allow water utility to account for production more effectively and assess levels of water loss.
- Improves water system management by providing useful demand information for assessment of large water users.
- Demonstrates that Township is promoting environmental stewardship.

Township of Edwardsburgh / Cardinal – Water Meters in Cardinal – Public Meeting - Oct. 2011

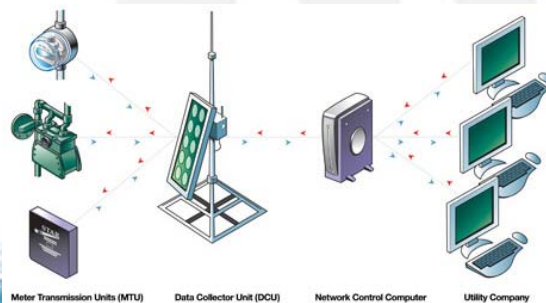


Definitions of AMI:



Advanced Metering Infrastructure or AMI

“Fixed Area Network (FAN) where metering “data” is transferred automatically without the need for meter reading staff.”



Township of Edwardsburgh / Cardinal – Water Meters in Cardinal – Public Meeting - Oct. 2011



Advantages of AMI for E/C



- AMI System can help with
 - Water Conservation – internal leak detection.
 - Water loss & distribution system leakage.
 - Peak day water usage.
 - Customer service (high usage, leaks).
 - Revenue protection (stop meters, tamper, actual billing)
 - Eliminates the need to have a meter reading go to each home.

Township of Edwardsburgh / Cardinal – Water Meters in Cardinal – Public Meeting - Oct. 2011



Veritec's Assignment:



- Preparation of Water Meter Vendor RFP
- Preparation of Vendor Scoring Matrix
- We will also assist in the vendor selection process and with providing clarifications to vendor questions.
- Facilitate and participate at Public Meetings (2):
- Preparation of required By-Laws (2):
 - By-Law 1 – for meter installation
 - By-Law 2 – to manage meters and rates
- **Water Rate Study & Design**

Township of Edwardsburgh / Cardinal – Water Meters in Cardinal – Public Meeting - Oct. 2011



Proposed Project Schedule:



<u>Task</u>	<u>Date</u>
Request for Proposal Issued	October 31, 2011
Proposal Clarification / Bidder Meeting	November 8, 2011
Proposal Closing Date	November 21, 2011
Award of Contract	November 28, 2011
Draft Rate Design	December 9, 2011
Public Meeting (Process Description)	January 10, 2012
Meter Installation	March – July, 2012

Township of Edwardsburgh / Cardinal – Water Meters in Cardinal – Public Meeting - Oct. 2011



Description of Installation Process:



- Vendor to provide a public education and awareness program.
- Vendor will have a call centre and provide on-line installation booking.
- Vendor is to allow for 5 attempts in contacting customers.
- Installations will be between 8:00 am and 8:00 pm – Monday to Friday and from 8:00 am to 4:00 pm on Saturdays.
- Resident selects the date / time for installation, it is not imposed by the vendor.
- Requirement for uniformed installers with proper photo ID with vendor and E/C logos.
- Vendor will take “before” and “after” pictures of each installation



Township of Edwardsburgh / Cardinal – Water Meters in Cardinal – Public Meeting - Oct. 2011



Water Meters Coming to Cardinal



10 Ways to Conserve Water.

The average family of four in Canada uses over 1,000 litres of water every day. That's a lot of water – enough to take 10 baths! By being smarter about our water use, not only can we save water, energy, and money, we can help our environment too. Here are 10 simple tips for saving water and helping the environment:

1. Turn the water off while you brush your teeth and save over 6 litres per minute.
2. Repair dripping faucets and leaky toilets. Dripping faucets can waste about 10,000 litres of water each year. Leaky toilets can waste as much as 750 litres each day!
3. Save water and money by choosing efficient showerheads, dishwashers, and other appliances. Look for the WaterSense label.
4. Only run your washing machine and dish washer when they are full.
5. Don't over water your lawn. Only water every three to five days in the summer.
6. If you must water the lawn, water in the early morning or evening, and try to avoid watering on windy days. This will limit the amount of water that is evaporated by the sun or blown onto sidewalks and driveways.
7. Defrost frozen food in the refrigerator or in the microwave instead of running water over it.
8. Do not use your toilet to flush tissue paper or household waste – only flush for the purpose intended.
9. When washing dishes by hand, use two basins - one for washing and one for rinsing rather than let the water run.
10. Use a broom, rather than a hose, to clean sidewalks and driveways.

“Together, we can all do our part to save our precious resource!”

Township of Edwardsburgh / Cardinal – Water Meters in Cardinal – Public Meeting - Oct. 2011



Contact Information:

Gary Cannon, P.Eng.
(905) 696-9391 ext. 111
gary@veritec.ca

Thank you!!

And remember – *“If you don't measure it, you can't manage it”*
– Lord Kelvin

Township of Edwardsburgh / Cardinal – Water Meters in Cardinal – Public Meeting - Oct. 2011