

**Canadian National Water Efficiency Network (CNWEN)
MEETING NOTES**

**Tuesday February 23, 2016
11:00 am – 2:00 pm
Halton Region
1075 North Service Road West, Oakville**

Attendees:

Name	Affiliation	Name	Affiliation
Kathy McAlpine Sims	Halton Region	Glen Pleasance	Region of Durham
Emily Stahl	City of Guelph	Kimberly Wright-Caraballo	City of Toronto
Steve Gombos	Region of Waterloo	Jeremy Harris	Region of Peel
Conference Call	Affiliation	Conference Call	Affiliation
Brent Houle	City of Winnipeg	Bill Chihata	York Region
Carol Salisbury	Ontario MOECC		
Aaron Boulton-Chaykowski – City of Calgary		Duncan Ellison, Past Exec. Director, CWWA	

1. **Review of June 10, 2015 Meeting Notes** – no changes
2. **Additions to the Agenda:** Kimberly’s Water App; Steve’s new projects
3. **Guelph “Watr” App Update – Emily**
 - Emily presented on Guelph’s interactive water customer app (previously emailed to all from Emily).
4. **National Initiatives: Duncan**
 - a) **ISO Standard Efficiency Management Update**
 - Markham meeting – resulted in circulating Working Draft #2
 - Next meeting planned for June in Singapore, during Singapore Water Week
 - b) **National Water Efficiency Private Members Bill update**
 - Duncan is still working with MP to have Bill tabled.
 - Suggests CNWEN members write to MP to show support for bill
 - Kathy to set up conference call with Robert Haller, Duncan, Aaron, Glen and Mary Ann to discuss drafting a joint letter of support to MP
5. **AWE Update – Glen**
 - Glen presented Mary Ann’s updates on AWE initiatives (Powerpoint presentation previously emailed to all from Mary Ann). Initiatives include:
 - Two outdoor water savings study RFPs have been drafted and funding solicitation is underway:
 1. Landscape Transformation Programs
 2. Drought Restrictions
 - New report “Lessons Learned from Australia” study to be released this week.
 - Video “Water: What You Pay For” is now Canadianized. AWE members may links to standard version for free, or customization is available for \$5,000.
 - Net Blue: 3 year project to promote sustainable communities – Canadian cities welcome

- Commercial Kitchen Guide: Partnership with commercial kitchen industry to develop best practices guide for water use in commercial kitchens. Region of Waterloo one of the funding partners.

6. 2017 Ontario Building Code: Building Code Conservation Advisory Council (BCCAC) Update – Glen

- Glen has proposed the following to OBC's BCCAC:
- Move flush volume requirements for ICI (currently at 6 L) to WaterSense (4.8) now that PERC Phase 1 and 2 have been completed;
- Move single-family flush volume to 3.8 L (from 4.8)
- Reference WaterSense performance specifications for faucet showers and toilets - because there are still some poor performing fixtures on the market
- Grey water and rain water rough-ins for new single family dwellings for second-storey bathrooms.
- Longer term: introduce lot-level LID to building code, to reduce storm-water runoff.
- City of Pickering, Durham and Toronto Region Conservation Authority will be testing some LID in new community of Seaton (north Pickering) with home builders
- Discussed potential to require smart irrigation controllers for irrigation systems.
- Calgary has done some rain garden installations that may provide some data and input for LID work in Pickering.

7. CWWA Research

- Several potential joint research ideas have been discussed by CWWA Water & Energy Committee.
- Categories include actual pump efficiency; BMPs & ROI on water audits and rebate programs ; standardized energy management; energy recovery in water/wastewater; energy efficiency benchmarking for water/ww utilities; use of social media; water reuse; income level related to participation in rebate programs
- Any interested members contact Aaron to participate

8. CWWA Annual Conference

- 2016 Joint Conference in Toronto November 13 – 16
- Abstracts due March 15, 2016

9. Waterloo's Water Efficiency Water Softening Without Softening Update – Steve

- Guelph & Waterloo have selected consultant for 2-part tech memo & final report
- Literature review of impacts of ion-exchange water softening on the environment (Grand River & Speed River water quality & flora & fauna using mass balance approach)
- Re-use potential of the wastewater
- Cost-benefit analysis of salt-based water softening compared to alternatives of no water softening vs. alternatives to salt-based options
- Field study on performance of Template assisted crystallization from actual users
- Waterloo has about 72% of households with water softeners, Guelph about 85%.

10. Other Business:

Kimberly presented on Toronto's on-line water consumption tracking tool that was launched to the general public January 21, 2016

– www.MyWaterToronto

- A new on-line tool that allows customers to view their water use information anytime, anywhere, from their computer or mobile device. **MyWaterToronto** will provide better customer service by making it easier for customers to understand their water use, identify potential leaks and consider ways to save water and money

-For the Industrial Commercial and Institutional customer they can view, monthly weekly, daily and hourly intervals; Residential customers have access to monthly weekly and daily consumption intervals

- Toronto has 500,000 customers (water accounts) on AMR now; over 1 billion meter readings are in the new system at any given time; there are 300 network data collection units installed throughout the City.
- So far feedback has been very positive; Currently the consumption information available is for the previous 24hrs we are working on the previous 12 hours For the next round of updates to the system

Glen: Priority Green Clarington project released final report on 6 new homes, each with 20 attributes that went beyond code – mixture of water electricity and natural gas improvements. Leading edge builders using very innovative approaches

- Compared to homes code-built (OBC 2012) – 150 litres/c/day indoors vs/ 131 (indoor) l/c/d for beyond code homes
- Homes were sub-metered from October 2014 to October 2015, indoors only via 10 water sub-meters and 8 electricity sub-meters.
- Report will be available on Clarington’s website shortly.
- Field study resulted in the writing their *Green Development Framework and Implementation Plan* to expedite approvals for developers who go beyond code.
- Guelph also building a few homes with advanced code construction.
- Right-sized metering included.

11. Next Meeting

Tues. May 31st - Waterloo

Tues. September 13th

Tues. November 29th