

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

**Tuesday November 29 , 2016
11:00 am – 2:00 pm EST
Halton Region, Oakville**

Attendees:

Name	Affiliation	Name	Affiliation
Kathy McAlpine Sims	Halton Region	Glen Pleasance	Region of Durham
Bill Gauley	Gauley Associates	Kimberly Wright-Caraballo	City of Toronto
Steve Gombos	Region of Waterloo	Julie Ann Lamberts	City of Guelph
Emily Stahl	City of Guelph	Johann Manente	Region of Peel
Jeremy Harris	Region of Peel		
Conference Call	Affiliation	Conference Call	Affiliation
Mathieu Laneuville	Quebec Ministère des Affaires municipales	Carol Salisbury	Ont. Ministry of the Environment & Climate Change
John Koeller	Koeller & Company	Shelley Heinrichs	City of Vancouver
Mary Ann Dickinson	AWE		

1. Review of May 31st 2016 Meeting Notes

2. Additions to the Agenda: None

3. AWE Update – Mary Ann

- Mary Ann reviewed numerous projects and initiatives currently underway by AWE (Presentation previously provided to all by Mary Ann) – such as rebuilding AWE website and adding Google Translator to allow French (and Spanish)
- Also discussed Canadian and CNWEN member AWE memberships. Several CNWEN members are challenged with successfully renewing AWE memberships, largely due to cost.
- Mary Ann offered to assist anyone by speaking directly with appropriate senior management if this would be helpful.

2. Status of the Water Conservation Bill (Canadian Federal Private Member`s Bill) - Duncan

Duncan has written to the Canadian Federal Minister of Environment and Climate Change suggesting she should resurrect the Scarpaleggia Water Conservation Bill and bring it forward as a Government Bill, indicating that it would serve several purposes besides water conservation. No response received to date. Duncan will continue to follow up.

Status of the ISO Water Efficiency Management Standard - Duncan

This was stalled by the German insistence that the draft conflicted with ISO rules about Management System Standards (MSS) and was referred to the ISO Joint Working Group on MSS for comment. Duncan has not received a formal response yet, but has been advised that the JWG does not agree with the

German position. If this is so, then the WEM Standard will be proceeded with, probably to jump to the Draft International Standard and could be published by the end of 2017. More information to be provided as soon an official response is received.

4. Glen: Ontario Building Code Update:

- Proposed changes are aggressive – 15% improvement to energy efficiency.
- Water less so – Glen still only water rep on the Committee. Proposed a second water rep 5 years ago, may have second rep in 2017.
- Latest update may be finalized by mid-year 2017.
- Clothes Washing machines are not covered by Building Code because they are purchased aftermarket by homeowner, not part of construction process.
- Ontario Ministry of Energy proposed to establish standards for energy and water using devices – includes clothes washing machines – won't be allowed to sell products that fail to meet the standards. Proposal is to harmonize with U.S. Standards. Note: Ontario Regulation 404/12 (Energy Efficiency – Appliances and Products) now has been amended to include water efficiency standards for clothes washers, residential dishwashers and commercial automatic ice machines - see <https://www.ontario.ca/laws/regulation/120404>
- Quebec works with CSA C360-13 – see www.csagroup.org

- There is a push from the drain-water heat recovery industry to make HWR mandatory in all new homes, but technology is not proven at this time. Data indicates the energy recovery is negligible so - far.
- Bill provided link to a natural gas industry where you can input values and see what savings would be: <http://www.ceati.com/calculator/> (You may have to 'right click' and zoom in to see it better.)
- Bill indicated that some of the assumptions on the calculator may be erroneous – such as the assumed price for natural gas, and the assumed duration of average shower. These assumptions may provide unrealistic results.

- **ACTION:** Glen encourages all to comment on OBC proposals – comment period open until December 20th, 2016. <http://www.mah.gov.on.ca/Page14996.aspx>

Ontario Ministry of the Environment & Climate Change: Climate Change Action Plan & Adaptation

Plan

- May know more in April 2017 re Climate Change Adaptation Plan – may be consistent with MOECC's LID Stormwater Guidelines.

5. Nestle Canada's Aberfoyle Water Taking Permit – Emily

- The City of Guelph provides an annual report of water consumption to the Province for phase 1 industrial/commercial users.
- If a phase 1 user consumes more than 50 cubic metres (50,000 litres) of water on any given day in a year, then they must pay the province \$3.71 for every additional 1,000 cubic metres of water (1,000,000 litres) used.
- Phase 1 users are billed for this use by the province on an annual basis.
- Phase 1 users that take more than 50,000 L on any single day where water is incorporated into a product include, include:

- water-bottling facilities
 - beverage manufacturing facilities
 - fruit and vegetable canning or pickling facilities
 - ready-mix concrete manufacturing facilities
 - other non-metallic mineral product manufacturing facilities
 - pesticide, fertilizer and other agricultural chemical manufacturing facilities; and
 - other inorganic chemical manufacturing facilities
- Dewatering for aggregate extraction is not listed as a phase 1 industrial/commercial user.
 - This \$3.71 water taking charge is based on the Province recovering water management costs – a regulatory charge reviewed every five years (from 2007).
 - Since the Province of Ontario does not own the water as the Crown, it cannot charge a royalty like some other provinces.
 - Companies in Ontario pay a Provincial application fee for water taking over 50,000 l/day. There are different application fees to process, review and issue a permit: Category 1: \$750; Category 2: \$750; Category 3: \$3,000. Flat fee, not volumetric. Fee was determined based on the Province's cost to undertake the application and approval process.
 - Nestle 's water taking permit in Aberfoyle expired. They Re-applied to renew it. It was supposed to be posted on the Environmental registry and city would comment, but was not posted.
 - Guelph Staff reported to City Council what they would have said had they been given the opportunity to comment (see links below)
 - Province of Ontario has proposed to put a temporary moratorium on new or expanded applications for PTTW for bottling until January 2019.
 - Guelph Staff are now commenting on the proposed temporary moratorium. Want to ensure process is equitable: Municipality must go Class EA for source protection, water efficiency, and is subject to stringent reporting, etc. However the same requirements do not apply to private water takers.
 - Guelph is recommending:
 - That there be no distinction between a private water bottler or bulk removal of water, especially across watershed boundaries;
 - Want to restrict where water taking is approved – especially ground water;
 - Must have wellhead protection boundary and know their 20 year draw;
 - Requirements for efficient water use.
 - Want province to set priorities for PTTW – currently first come first served – who has first right if conflict occurs? MOECC can define protection of water supply for public use.
 - Want to level playing field for private and public use.
 - Recognize Tier 3 Water Budget process and provide funding
 - Science based policy decisions. Good quality modeling. Looking at impacts of water takings when making decisions.
 - Everyone is encouraged to provide comment on the moratorium – by Dec. 1st.

- Link to Guelph’s staff presentation on November 7th with respect to the process to support the City’s submission to the Ministry of the Environment and Climate Change regarding Ontario’s Water Taking Permits:
http://guelph.ca/wp-content/uploads/special_cow_agenda_110716.pdf#page=3
- Link to staff report for council that was presented Nov. 28 and approved (with a few minor tweaks). This includes Guelph’s recommendations from the November 7th meeting and technical memo with respect to the City of Guelph’s comments on “A regulation establishing a moratorium on the issuance of new or increasing permits to take water for water bottling” in Ontario: http://guelph.ca/wp-content/uploads/council_agenda_112816.pdf#page=175
- Guelph has developed many FAQs with respect to common questions, they can be found here: <http://guelph.ca/living/environment/water/nestle/>

6. Region of Peel Fusion Landscaping Research and Findings – Jeremy Harris

- Jeremy provided all with a copy of his presentation.
- Peel’s Fusion Landscaping project is a long-term multi-faceted initiative designed to gradually shift the public’s attitudes towards water efficient landscaping by promoting beautiful landscapes that just happen to be water efficient/
- Quantitative results to date: significant sustained water savings.

7. AWE Study Summary: Water and Cost Savings from Residential Showers & Greywater Systems – Bill

- Bill provided all with a copy of his presentation prior to the meeting.
- Key point: Volume of water savings is not equal to volume of grey water collected, but rather to the reduction in potable demands (the two are not the same).
- Summary: Cost-effectiveness of greywater systems for shower use appears unlikely unless:
 - Water rates increase significantly
 - High number of persons per household
 - Long irrigation season (not like Canada)
 - Cost of greywater systems decline

8. 2017 Meetings:

- **Tues. March 7th, 2017 - Guelph**
- **Tues. June 20th, 2017 - Waterloo**
- **Tues. Nov. 21th, 2017 – Peel**