

Canadian National Water Efficiency Network
MEETING NOTES
Tuesday February 4, 2014
11:00 am – 2:00 pm
Halton Region
1151 Bronte Road, Oakville

Attendees:

Kathy McAlpine
Julia Wagner

Teleconference Attendees:

Kristy Baidy	Brent Houle
Steve Gombos	Kimberly Wright-Caraballo
Mathieu Laneuville	Johann Manente
Glen Pleasance	Louise Brennan

1. Review of December 2013 Meeting Notes

No changes

Minute taking will be rotational based on members' last names.

2. Additions to the Agenda

- CANARM (Kathy)
- Aquacraft End User Study (Steve)

3. Administration: Financial Report

Johann reviewed financial report showing until the end of last year. Year end is due in June. This month activities include Green Plumbers invoicing, and the last transaction of approximately \$5000 is expected.

Money for accountant fees will be paid from Administration fund. It will cost approximately \$800-\$1000/ year.

See attached reports for account balances.

4. Sustainable Plumbers Project Update – Louise Brennen, Econics

Phase 2 is wrapping up. Phone surveys are now complete, and analysis is expected by Friday. The first draft report is expected by February 14th, and there is a wrap up meeting for the steering committee on February 25th.

CMHC and IAMPO are working on a 3rd phase with Econics, funded by CMHC. This phase includes taking the Green Plumbers curriculum and making into web content on sustainable plumbing. It's in its initial stage. Concepts include:

- For Licensed plumbers- what is sustainable plumbing, where to get training
- For Building Professionals- know what sustainable plumbing is, questions to ask plumbers, how to incorporate into greening their business
- For Public- homebuyers/reno – for hiring plumbers, what technologies are available

General goal:

- Increase awareness for sustainable plumbing
- Have plumbers think about sustainable plumbing

Will be published by CMHC. Content by end of March.

Not sure what final product will be, but likely website material hosted by CMHC. It will be high level view of green plumber material, but not green plumber certified.

Louise will ask if the Table of Contents can be shared with the group. Next steps of the green plumber program will be presented at the conference call on February 25th, after the analysis of the phone surveys is completed.

5. 2014 Joint Research Suggestions

Water Softener Performance Test and Field Study (Wayne)

- Longer terms
- Develop business case, and retrofit program

Template Assisted Crystallization (Steve)

- Viable alternative to water softener
- Does not soften water, but suspends calcium and magnesium
- Currently on the market
- Does not use water/ salt
- Question – how long does the media last, what is the affect of chlorinated water, what are the operating costs, potential rebate program, will residents like this technology?

Price Demand Elasticity Study (Wayne)

- Response to consumption based on price of water
- Brock University willing to do study

Glen noted that AWE did a similar study and we should preclude this research study with an overview of existing studies.

<http://www.allianceforwaterefficiency.org/1Column.aspx?id=710&terms=price%20elasticity>

Green Plumbers (Kathy)

- Pre-mature to determine next steps/decision on green plumber program
- Will wait for February 25th meeting

Leak Detection Research (Steve)

- What are municipalities doing across Canada?
- DMA approach, or are their other approaches to leak detection we should explore?
- Are municipalities tracking ILI?
- BMP leak detection

Mathieu did a guide on leak detection (in French) includes pros and cons of different methodologies. Acoustic correlation was found to be the first choice, and then PVC/ special

cases have special methodology. Training for municipalities will be given by Veritec for Montreal/Ottawa tomorrow. Mathieu to send the link/report.

Veritec sits on Water Loss Committee and we could ask Alain to present to CMWEN. Glen will follow up with Alain.

Non-Revenue Reduction – Watermain Flushing (Kristy)

York Region is looking at setting up demonstrations of new technologies to reduce non-revenue water. One idea is on the reduction of water use in watermain flushing through NO-DES (<http://www.no-des.com/>). York Region could organize a demonstration day, and others could attend, or we could co-fund multiple demonstration days or even longer term rentals (weeks-months) depending on the number of people interested in attending (likely operations/maintenance and water efficiency staff). Kristy has estimated costs available.

Drain Line Study - Cast Iron and 3 L toilets (Mathieu)

Mathieu is going ahead with this study on own, but he will share the results. It will be done next summer.

Kathy asked if any other municipalities had complaints/issues with 3 L toilets in apartment buildings. None were noted at present time. Bill will be putting into apartment building in Ajax for testing.

Value of Water – (Put forward by Bill at last meeting)

Bill proposed at last meeting to complete an analysis of environmental and social value of water efficiency. Include what are other values then those charged for the price of water. Glen believes the scope would also include the cost of overbuilding infrastructure. Would provide a reference apart from CUWCC reference which its validity is unknown.

Steve referenced an outdated report that was done by AECOM for Waterloo, which could complement this study.

Kristy will ask about sharing York Region's Water Efficiency Business Case which includes a triple bottom line analysis.

WaterTap (Glen on behalf of Bill)

WaterTap research on outdated allocation numbers for new development

10 benchmarks on for infrastructure expansion around water, wastewater, stormwater and I&I will be sent to CMWEN

Next steps –review ideas. Johann will make a list of the projects and email for feedback on which ones we are interested in. We will need a synopsis of the projects for more details and any estimated cost. Then we can look at funding, and potential partners. We will do in-between meetings.

6. CWWA Update

Kathy, Johann and Steve attending the CWWA conference call. The board is meeting in March to discuss the future of conferences. Conferences might be combined, and water efficiency

becoming a stream. They are also looking at benchmarking energy/water savings and BMPS. We will wait for CWWA's decision and then determine how to support.

7. Other Business

CANARM

Canadian Association for Rainwater Management www.canarm.org

Kathy got their flyer at Landscape Ontario, it promotes using a certified professional and trains on RWH management. Nothing in Ontario yet, just out west.

Aquacraft Study – Residential End Uses

Draft final report at review stage- 25 municipalities, 9 had data logging, highly variable among households. Some issues with results. The variables and results are interesting (ie Increase in people/household results in less per capita consumption – a non-linear correlation - 1 person 78 gpcd, 6 people 38 gpcd). Efficient showers, toilets and clothes washer decline in water usage. Steve has purchased all data/ logged data. Expect final report to be released by end of year. Peel is not happy with their results.

Overall it will be good to have updated information, and statistical evidence behind some of things we already know.

2014 Meeting Schedule:

Date	Location	Minute Taker
Tuesday April 1, 2014	York Region	
Tuesday June 3, 2014	Waterloo	
Thursday September 4, 2014		
Tuesday November 4, 2014		