



Minutes of Meeting #1

Sustainable Peterborough Water Working Group

Wednesday, September 16, 2015 from 3:00 p.m. to 4:30 p.m.

Otonabee Region Conservation Authority Boardroom, 250 Milroy Drive, Peterborough

- Present:
- Alix Taylor, Coordinator, Water Programs, Green Communities
 - Brian Hamilton, General Manager, Curve Lake First Nation
 - Dan Marinigh, Chief Administrative Officer/Secretary-Treasurer, Otonabee Conservation
 - Denise Graham, Administrator, Hiawatha First Nation
 - Heather Ray, Coordinator, Water Programs, GreenUP
 - Joe Burke, City of Peterborough, Water Resources & Development Engineer
 - Leslie Collins, Biologist & Training Coordinator, Institute of Watershed Science, Trent University
 - Melanie Kawalec, Sustainability Manager, City of Peterborough
 - Meredith Carter, Manager, Environmental and Technical Services, Otonabee Conservation
 - Michael Myers, Water Utility Engineer, Peterborough Utilities Commission
 - Rob Anderson, Recreation & Policy Development, City of Peterborough
- Regrets:
- Atul Jain, Peterborough County/City Health Unit
 - Terry Rees, Federation of Ontario Cottagers Association
 - Jeff Innes, Water Coordinator, Hiawatha First Nation
 - Dawn Sucee, Ontario Federation of Anglers and Hunters
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1. Introductions and Overview of Water Projects

Meredith assumed the Chair for the meeting and initiated a round table for introductions.

2. Overview of SP

Melanie provided an overview of Sustainable Peterborough, the background, 11-theme areas, the 18 priority actions, and the Water related direction. The Sustainable Peterborough web site is located at www.sustainablepeterborough.ca and the Sustainable Peterborough Plan is located at sustainablepeterborough.ca/community-plan/sp-community-plan/

3. Overview of Working Groups

Melanie provided an overview of the role of a Working Group that is brought together based on local opportunities, needs and enough community interest. Already have an Energy, a Food & Farming, Climate Change, Health Communities, and Economic and Business Working Groups formed through Sustainable Peterborough. Member of Sustainable Peterborough sit on each of the Working Groups and report back to the overarching Sustainable Peterborough Coordinating Committee at their regular meetings.

4. Climate Change Action Plan

Melanie provided an overview of the Greater Peterborough Area Climate Change Action Plan and the upcoming Task Force meetings. Water and Natural Assets is one of the Task Force Theme areas so members of the Waste Working Group were invited to participate on September 21st via notice to Melanie.

5. Discussion Opportunities & Needs

Meredith asked for a round table update on local water projects, opportunities and needs:

- **Joe Burke** – working on the Storm Water Quality Master Plan; going to City Council shortly; looks at retrofitting outlets to improve swm control; cleaning swm ponds; setting a cash in lieu for small developments; outlines where there is a need for swm ponds; to update the Official Plan for water quality and quantity control; tied into new development; looking for assistance public consultation; future possible locations
- **Alix Taylor** – Green Communities Canada is working on their RAIN program to look at how to capture rain; working in partnership with GreenUP; program focus in Ontario mostly on programs in K-W – rain gardens, home visits, and help to keep water clean and retained.
- **Heather Ray** – GreenUP is working on a 150 sq. meter DePave project on corner of Brealey and Lansdowne for Oct 2-3, 2015; 2014 DePave project was a 75 sq. meter parking lot to garden at Brock Mission; Waterwise recognition program with PUC to roll out in spring 2016;
- **Brian Hamilton** – Quality & Quantity are huge issues as water advisory almost weekly at Curve Lake; currently in discussions with Indian and Northern Affairs Canada on water quality issues; septic also a huge issue as they last 40 years but majority of septic are currently at ~35 year old; Cambium Environmental currently preparing an inventory of the worst offenders; without a Federal representative Curve Lake is struggling with not having access to a phone call away; strong algae problem in the lake; residential sector primarily on wells; have a small pumping station for ~50 houses but is operating beyond its capacity with a 20 year life but the station is now 30 years old; FN is responsible for the water and pay for installation of first well but lease responsibility for future wells; need more communication with Trent Severn on water level controls and notice of changes in levels; Chief is very in tune with the needs of the community.
- **Denise Graham** – Jeff will attend future meetings on behalf of Hiawatha; water quality is fine by standards is not really drinkable – currently paying 3rd party way too much for bottled water so Hiawatha is looking at reviewing the current contract; Hiawatha is service by well and septic; Serpent Mounds has a state of the art water quality station that has been sitting idle since Serpent Mounds closed as a Provincial Park – anticipate some development starting in that area shortly; have a communal underground water tank installed in 2014; also deal with shoreline erosion problems due to low water levels.
- **Dan Marinigh** – root Conservation Authority program is water, flood forecasting, low water response and shoreline restoration; 24/7 monitoring system for pending flood conditions, represent Ministerial interest in water issues and permit for shoreline/wetlands; live feeds produce automatic alerts and captures history & water quality; new program with the Province to remap watersheds; should be able to access funding for flood plain mapping of Byers Creek; projects include Source Water Protection Plans, stewardship activities, shoreline stabilizations and restoration.
- **Michael Myers** – going to water meters city-wide as conservation, single family are complete, ~80% complete for multi-residential; more tools available to track what water goes out the pipes using GIS, can split the City into zones to identify missing water = leaks; regular water main replacement by age and shape via asset management plan for maintenance & improvements; new construction has better design standards; PUC has a vested interest in conservation and source water Q & Q.
- **Leslie Collins** – Institute of Watershed Science opened in 1998 as an arm of MNR for research and access to academic field under Chris Metcalf and Craig Murray; have looked at the ecological effect of development, research on water quality, Blue Water Grants used to produce Source Water Protection for northern communities & First Nations; working with a First Nation community on Manitoulin Island for Source Water Protection Planning and a pilot

project with Great Lakes water intake; also provide wellhead protection programs, watershed planning, wetland inventory; Chris Metcalf is researching the emerging contaminants in sewage system through a pilot in Lakefield & the fate of the contaminants in the environment; MOE study on sewage; neonicotinoids study to see if is in our drinking water.

- **Meredith Carter** – working on stewardship and education – working with schools in partnership with Camp Kawartha: kids camp on ecology with half day of activities; work with municipal partners on planting and areas of restoration; school programming with funding from a variety of sources; large corporate partnerships for projects i.e. GE, PRHC, service clubs, Guides, etc.; ongoing Monitoring Report Cards every 5 years with a letter grade given to each factor; source water protection through Clean Water Act; protect sources of water through planning, protection of zones through policy which came into effect January 1, 2015; participate in the Source Protection Region (Algonquin Park to Lake Ontario, CKL to Trenton) with ongoing education and awareness; pull partners together for education.
- **Rob Anderson** – Recreation has a capital budget for the Little Lake Master Plan with cross over with City's Utility Services; Marina operations; Master Plan for Del Cray Park and complex.
- **Melanie Kawalec** – focus on water conservation projects and support; administers the Low-Flow Toilet rebate for City; working with the Waste Management Division on the development of the 2016 Waste Reduction and Conservation Calendar to include water facts, data, and events.

6. Other Business

- Leslie offered to share a sample Source Water Protection Calendar with Melanie and Meredith as an education tool
- Leslie suggested that signage, particularly around Source Water Protection areas and wellheads was an important public outreach tool
- Dan noted that 5 common themes from the round table, with an overarching link to Quantity, Quality, and Spiritual Connection, included:
 1. Storm water management & flooding
 2. Drinking water
 3. Monitoring
 4. Source Water Protection
 5. Education & communication
- Connection was also made that water is a stimulus to Economic Development
- Working Group asked that Melanie and Meredith follow up with Trent Severn to see if they can send a member to sit on this Working Group
- Leslie noted that in 2008 Trent University hosted a "State of the Kawartha Lakes Workshop" that looked at the state of the ecosystem, jointly funded by MNR; this Group could consider hosting another workshop with a look at the economic drivers
- Melanie mentioned that Dr. Raul Ponce-Hernandez of Trent is considering hosting another Climate Change Forum on Water in Peterborough and the Kawarthas
- Consider inviting representatives from the Townships – AN received funding for water project; Agricultural rep; Ontario Soil & Water – Jim Buck of Norwood; Trent Severn; Fleming College

7. Next Meeting

Monday, October 26, 2015 from 3 to 4:30 p.m. in the ORCA Boardroom, 250 Milroy Drive, Peterborough.