

November 20, 2009



The Hon. John Milloy, Minister of Research and Innovation
7th Flr
56 Wellesley St W
Toronto ON M7A2E7

Re: Water efficiency in MRI policies

Dear Hon. John Milloy,

We are writing to encourage you and your ministry to support the Ministry of Environment's provincial water conservation and efficiency strategy, as part of *Safeguarding and Sustaining Ontario's Water Resources for Future Generations*. A report from New York based Lux Research, *Water Cultivation: The Path to Profit in Meeting Water Needs*, states that revenues of the world's water-related businesses will rise from \$522 billion in 2007 to nearly \$1 trillion by 2020 and predicts that water shortages will drive the need for innovations that emphasize efficiency, reuse and source diversification. A strong water conservation and efficiency strategy has the potential to not only enhance water security and the ability of Ontarians to adapt to the impacts of climate change, but also to secure Ontario's leadership role in the international green economy by supporting development of innovative technologies and services.

The interconnectedness of water and energy means that a significant amount of energy is required to extract, treat, heat and distribute water, as well as to collect and treat the resulting wastewater. A study by the POLIS Project, *Greenhouse Gas and Energy Co-benefits of Water Conservation*, demonstrates that the energy required for water pumping and treatment is a significant proportion of municipal energy use. For example, the City of Toronto, the Region of Peel and the City of Guelph identified water and wastewater management as accounting for 25-60% of their municipal energy use. Accordingly, a strong water conservation and efficiency strategy in the province will not only save water, but will also contribute significantly to the province's energy conservation, energy planning goals and greenhouse gas reduction strategies.

Our coalition of 16 groups of water professionals, university think-tanks, and environmental and citizen-based groups support the 25 actions outlined in *H₂Ontario: A Blueprint for a Comprehensive Water Conservation and Efficiency Strategy*. We encourage the Ministry of Research and Innovation to consider the many opportunities to expand our existing water technology and services sector to include water conservation and efficiency.



In terms of incorporating water efficiency into MRI policy, we urge you to support the following key opportunities:

- Support R&D for water conservation technologies and practices and innovative use of non-potable water sources (rather than requiring all water to be treated as if it is drinking water regardless of use)
- Modify and expand existing rebate and incentive programs to include water conservation, efficiency, rainwater harvesting and wastewater reuse

In addition, we encourage you and your Ministry to support other key opportunities in your colleagues' portfolios, such as:

- Updating the Ontario Building Code to reflect best available water efficient technologies
- Requiring water conservation plans for specified land use planning decisions
- Mandating conservation plans for water taking permit holders and municipalities
- Making funding grants issued by MEI, MMAH and other provincial ministries and agencies contingent on water conservation initiatives
- Acknowledging water conservation as the most economical form of new water infrastructure, and providing funding for water conservation initiatives accordingly
- Including water efficiency as an aspect of all energy efficiency programs, policies & projects where applicable
- Enacting water efficiency standards under the new powers provided in the Green Energy Act, including a water efficiency labelling program
- Supporting community energy planning inclusive of district energy, water use and supply, transit and transportation

We would like to request a meeting with you in the next couple of weeks to discuss how the Ministry of Research and Innovation can develop and support policies that contribute to Ontario's new water conservation and efficiency strategy. Please feel free to contact me at 416-960-2284 ext. 219 or by email at theresa@cela.ca to arrange a meeting. Thank you for your time and consideration.

Sincerely,



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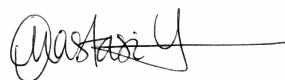
Theresa McClenaghan
Canadian Environmental Law Association



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