



Celebrating Municipal Excellence

Nomination Form

Deadline: 4:00 p.m., Thursday September 18, 2014

Please attach all additional pages to this cover sheet when submitting your nomination.

Contact Information

Nominee Contact Information	
Name of municipality (ies) being nominated:	Town of Lumsden
Contact Name:	Council of the Town of Lumsden
Telephone #:	306-731-2404
Mailing Address:	PO Box 160, Lumsden, SK S0G 3C0
E-mail Address:	town.lumsden@sasktel.net
Name of Nominated Project:	Water Conservation Measures Bylaw
Date Project or Practice Initiated:	October 8, 2013
Date Project or Practice Completed:	Ongoing

Nominator Contact Information	
Name:	Darcie Cooper
Organization:	Town of Lumsden
Position:	Chief Administrative Officer
Mailing Address:	PO Box 160, Lumsden, SK S0G 3C0
Telephone #:	306-731-2404
E-mail Address:	cooper.d@sasktel.net

Town of Lumsden – Water Conservation Measures Bylaw

2014 Nomination for Environmental Stewardship

The Practice

What was the issue that inspired the nominated project or practice?

The Town of Lumsden prides itself on being a forward thinking, environmentally cognizant community. We are also in a challenging position of having an exfiltration lagoon that is operating at capacity and has limited future development or new lots until a new wastewater treatment solution is established. We continue to work towards a wastewater treatment solution that is a social, economic and environmental fit for our community. Council of the Town of Lumsden recognizes that conserving water is not only necessary to reduce loading in the current lagoon system, but also is environmentally responsible and should be championed as a best practice in the community.

What has this project or practice done to address the issue?

The Water Conservation Measures Bylaw (the “bylaw”), regulates new builds in Lumsden such that they must: install low flow or dual flush toilets, low flow or waterless urinals, Energy Star certified dishwashers and washing machines that use reduced amounts of water, low flow faucets and shower heads, directing downspouts away from buildings incorporating it into landscaping plans and ensure sump pump discharge is diverted away from the sewer system, xeriscape planning, Storm Water Management Practices. It is felt that the bylaw will alleviate some pressure on the current wastewater treatment system as existing lots become developed, by reducing water usage.

The Process

What was the role of the municipal council and/or municipal staff in this project or practice?

The Council of the Town of Lumsden discussed the idea of water conservation to alleviate pressure on the existing lagoon. Administration staff researched and prepared a bylaw, based on similar bylaws from other provinces, since Saskatchewan municipalities did not appear to have any such bylaws developed. Council ensured the bylaw was also reviewed by the municipality’s Solicitor.

Were other groups involved in developing this project or practice? If so, who were they and what role did they play?

There were no groups involved in this project.

What resources were involved?

A significant amount of research was required, since it was our understanding that there were no other municipalities in Saskatchewan that had a bylaw of this nature. However, there were other provinces in Canada that had municipalities in their jurisdictions with similar bylaws. The bylaws were reviewed and a new bylaw was drafted for the Town of Lumsden, based on our procedures and goals. Consideration was given to requirements for different types of developments, such as residential,

commercial, institutional, industrial, as well as renovations and restoration. Our solicitor also reviewed the bylaw to ensure its enforceability and compatibility with legislation.

How was the project or practice developed?

Upon adoption of the Water Conservation Measures Bylaw, all building permits have been issued subject to compliance with the bylaw. The Town of Lumsden Building Inspectors ensure that the requirements of the bylaw are followed during their inspection process.

The Results

What effect did this project or practice have on the community?

The bylaw reinforces our community's values for sustainable development, environmental awareness and conservation measures.

Was a formal evaluation done after the project or practice was completed?

A formal evaluation has not been completed, as the project is ongoing and the bylaw has no expiry date. Our Utilities Department Staff monitor the levels of the lagoons on a regular basis, and have reported a decrease in water consumption, even as development is occurring, which leads us to believe our bylaw is an effective measure for conserving water. This bylaw was implemented with no resistance from the community or developers.

Describe any challenges faced.

The Town of Lumsden has many challenges when it comes to dealing with storm water and wastewater. Being situated in the Qu'Appelle Valley poses unique challenges in dealing with run-off due to meltwater, rainwater and ground water seepage flowing downhill to the flood plain, where the majority of the community and infrastructure are located. Such water infiltrates into the lagoons and storm water collection system, increasing volumes to the lagoons. The lagoons are located between the valley wall and the Qu'Appelle River. The Bylaw seeks to reduce flow from new construction to the lagoons, and in the future, to an upgraded wastewater treatment facility. The Bylaw seems to be a perfect fit for accomplishing the goals and values of the community.

Lessons Learned

What lessons were learned and what would you recommend doing differently?

Other experienced municipalities can be a valuable resource when it comes to breaking new ground with bylaws and other projects. As a progressive community, the Town of Lumsden invests in learning how other municipalities accomplish their goals effectively. The lack of similar bylaws in the province did not hinder us in achieving our goal and maintaining our environmentally conscious values.

We learned that there was a lack of water conservation bylaws in Saskatchewan municipalities however designing such a bylaw to meet the needs of our progressive community was an achievable goal. As our environmentally conscious values are met we can show leadership to other communities as they have an opportunity to build on our experience.

ENCLOSURES

Appendix A: Water Conservation Measures Bylaw # 17-2013

**TOWN OF LUMSDEN
BYLAW 17-2013**

A BYLAW TO REGULATE WATER CONSERVATION MEASURES

WHEREAS pursuant to the provisions of the Municipalities Act, municipal council is authorized to pass bylaws pertaining to a public utility;

WHEREAS the Town of Lumsden owns and operates a water and wastewater system as a public utility;

WHEREAS the Council of the Town of Lumsden deems it necessary and advisable to institute certain water conservation measures in order to mitigate the demand on the Town's water and wastewater system;

NOW THEREFORE Council hereby establishes the following rules and regulations to regulate water conservation measures within the Town:

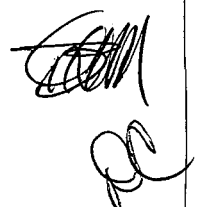
1. This bylaw may be cited as the "Water Conservation Measures Bylaw".

2. Definitions

- a) "Dual Flush Model Toilets" means all toilets that have a 6 litre maximum full flush for solids and 4 litre maximum reduced flush for liquids.
- b) "Low Flow Toilets" means all toilets that have a 6 litre maximum per flush.

3. Building Permits

- a) That effective September 15, 2013, all Building Permits issued for new construction, renovation, or basement development projects for residential properties, including multi-unit residential buildings, will be required to meet the following water requirements for plumbing fixtures:
 - i. Have either Dual Flush Model Toilets or Low Flow Toilets;
 - ii. All such toilets must comply with National Plumbing Code (approved or certified by the Canadian Standards Association).
- b) That effective September 15, 2013, all Building Permits issued for new construction development, retrofitting, or restoration of commercial, institutional, industrial or municipal buildings will be required to meet the following water requirements for plumbing fixtures:
 - i. All public restroom urinals to be waterless or to have a total water usage of no greater than 3.8 litres per flush;
 - ii. All toilets must be either Dual Flush Model Toilets or Low Flow Toilets;
 - iii. All such urinals and toilets must comply with National Plumbing Code (approved or certified by the Canadian Standards Association).
- c) That effective September 15, 2013 all building plans submitted will indicate urinals and toilets to be installed in compliance with this Bylaw.
- d) That effective September 15, 2013 all Building Permits issued for new construction, renovation or restoration will be asked to voluntarily institute the following Water Conservation Measures:
 - i. Downspouts to be directed away from the foundation and be incorporated into landscaping plans such that rain water is maximized for trees, shrubs and lawns;
 - ii. Installation of water-conserving Energy Star Certified or equivalent clothes washers
 - iii. Installation of Energy Star Certified or equivalent dishwashers
 - iv. Installation of low flow faucets and showerheads
 - v. Underground irrigations systems to be equipped with high flow shutoff valve
 - vi. Xeriscaping planning and implementation



- vii. Storm Water Management Practices, including Low Impact Development principles
- viii. Discharge water from a basement to a ditch or street sewer, diverting the sump pump water away from the sanitary sewer system.
- ix. Any other Water Conservation Measures initiated

4. Compliance

- a) Town of Lumsden Building Inspectors will ensure requirements are followed when final inspections are completed
- b) Failure to meet these requirements may result in fines as outlined in the General Penalty Bylaw.

5. Severability

- a) If any portion of this bylaw is declared invalid by a court of competent jurisdiction, the invalid portion must be severed and the remainder of the bylaw remains valid.

6. Effective Date

This bylaw shall come into force and take effect on the final day of its passing.

Readings

Read a first time this 8th Day of October, 2013.
 Read a second time this 8th Day of October, 2013.
 Read a third time this 8th Day of October, 2013.



[Handwritten Signature]

 Mayor

[Handwritten Signature]

 Chief Administrative Officer

Certified to be a true copy of Bylaw No. 17-2013
 adopted by the Council of the Town of Lumsden
 on the 8th day of October, 2013

[Handwritten Signature]

 Chief Administrative Officer