

## Day Two - Track One

Thursday, March 23<sup>rd</sup>, 2017

3:30 p.m. – 4:00 p.m.

## Taking Green Infrastructure Mainstream in Western Canada

**Presenter:** Andrew Kolper, Kerr Wood Leidal

### Biography



Andrew Kolper has 15 years of engineering experience in stormwater management and water resources. He has planned, designed and constructed in low impact development projects in both Canada and New Zealand. His notable experience includes rain gardens, rainwater harvesting and reuse, and rainwater management municipal bylaw development.

### Abstract

This presentation provides several examples of how western Canadian cities are overcoming implementation challenges with regulatory, funding, and planning efforts.

Integrated Stormwater Management Plans, establish stormwater criteria to guide growth and redevelopment, have been completed for most watersheds in the Vancouver Metro Region. For areas not covered by ISMPs, there is a minimum baseline stormwater standard, which municipalities are incorporating into their bylaws.

In pursuit of the City of Vancouver's goal to be the greenest city in the world by 2020, the City Council adopted and funded the first stage of the Rainwater Management Plan and Green Infrastructure Strategy in 2016. The plan lays out a set of actions for achieving the long term target to capture and treat 90% of average annual rainfall.

The City of Victoria's Stormwater Utility rate is the most progressive in that it is based on impervious area for all property types including single family residential. The City's rate also considers factors like street frontage, property classification, and business use.

The City of Calgary has developed sophisticated guidance documents and implemented green infrastructure pilot projects.

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Now we must pilot strategies for wider implementation. These strategies are not one-size-fits-all, but there are many lessons that can be learned from each other's efforts.

## **Learning Objectives**

1. The strengths and weaknesses of watershed based stormwater management criteria setting;
2. Lessons learned from the City of Victoria's experience in setting up a stormwater utility based on impervious cover; and
3. The objectives and benefits of Calgary's initiatives.