

ReNew

March / April 2018

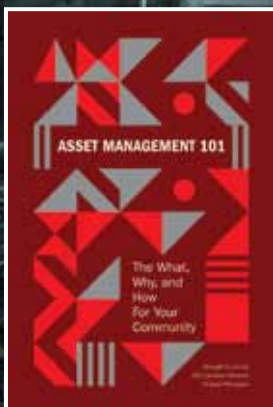
C A N A D A

The Infrastructure Magazine

- + Are All P3s Created Equal?
- + Valuing Natural Assets
- + Top 100 Projects: Celebrating \$199 Billion

Managing
Climate
Infrastructure
Financial

RISK



SPECIAL INSERT:

Brought to
you by the
Canadian
Network
of Asset
Managers

renewcanada.net

ReNew

CANADA

The Infrastructure Magazine

MARCH/APRIL 2018

SPECIAL INSERT

Asset Management 101: The What, Why, and How For Your Community

Look for your copy included with this issue. If you want additional copies for your municipality, please visit cnam.ca.

RISK MANAGEMENT

7 Optimizing Risk Allocation

Careful documentation for municipal projects is key to optimizing the risk for all parties involved.

By Dan Ferguson and Bradley McLellan

10 Are All P3s Created Equal?

How risk impacts the public-private partnership model in different North American jurisdictions.

By Valiant Ip

12 Protecting Your Investments

Exploring ways to minimize the risk and improve the resiliency of infrastructure assets in today's changing climate.

By Dale Sands

ASSET MANAGEMENT

14 Planning for the Unknown

Understanding how climate change can be introduced into the structure of asset management. *By Eve Krakow*

16 Valuing Natural Assets

As Mother Nature makes her presence felt, cities need to understand why natural assets are an integral part of city-building in today's climate.

By Donna Chiarelli

18 Saving Public Roads

How a capital planning tool has helped communities improve asset management practices for road renewal and rehabilitation.

By Michael Maher

PROJECT MANAGEMENT

20 Quality-Based Selection

Why there is a need to change our current municipal procurement model from a focus on cost to a focus on value.

By John Stephenson

ENERGY MANAGEMENT

24 The Road to Carbon Reduction

Experts from across the country gather to discuss ways to make energy retrofits a fiscally-viable practice for building owners across Canada.

By Connie Vitello

28 Achieving Energy Balance

What work needs to be done to improve the cost and delivery of energy in the province of Ontario.

By Jeff Parker

30 Collecting Energy Data

How a new energy framework in Atlantic Canada is providing the much-needed data to improve energy efficiency.

By Bruce Cameron

WATER MANAGEMENT

32 Stormwater as an Asset

Why a shift in focus to see stormwater as a municipal asset can provide significant value for our communities.

By Gail Krantzberg

GREEN ASSETS

34 Resurfacing Cities

Looking at Denver's new Green Roof legislation and the benefits it could provide in major cities across Canada.

By Steven Peck

TOP100 PROJECTS

37 Our exclusive coverage of the 2018 Top100 Projects Key Players and Owners Dinner at The Carlu in Toronto.

DEPARTMENTS

4 Editor's Note

Andrew Macklin discusses a new project partnership that everyone should be watching in the years to come.

5 **Front** *Chris Gardner* on why B.C. premier John Horgan needs to rethink his intentions with provincial labour agreements.

22 **Panorama**
Erosion Prevention

40 **People & Events**
Appointments, announcements, company news, and event reports.

42 **Closing Shot**
Stephen Bauld wonders if there is a way to fix government infrastructure procurement.



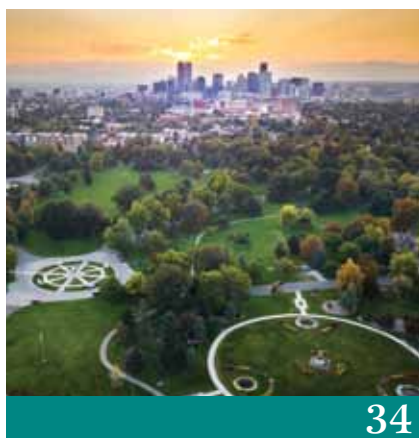
12



14



28



34



20