

For Immediate Release.

Enviro-Stewards' Smart Blue Roof Project Wins a Canada's Clean50 Top Project Award.

21 October 2024, Elmira – Enviro-Stewards and Credit Valley Conservation (CVC) have been awarded a Canada's Clean50 Top Project Award for their smart blue roofs.



*The project award winners following the awards presentation
(from left to right): Bernadeta Surowiec (CVC), Phil James (CVC),
Alicia Wind (Enviro-Stewards), Bruce Taylor (Enviro-Stewards)*

Canada's Clean50 Top Project Awards are amongst the awards announced annually by Delta Management Group and the Canada's Clean50 organization, to recognize the best sustainability-oriented projects completed in Canada over the prior two years. Projects are chosen based on a five "I"s criteria: Impactful, Innovative, Inspiring, Informative, and readily Imitated.

“Delta’s criteria in determining Project awards is to carefully consider a combination of actual measurable impact, demonstrated innovation, and the project’s ability to inspire others to imitate it – and *Smart Blue Roofs Drive Energy and Water Savings* completed by Enviro-Stewards Inc. is a terrific example,” says Gavin Pitchford, CEO, Delta Management Group.

Enviro-Stewards’ innovative smart blue roof (SBR) design offers key climate adaptation benefits, including flood prevention and significant reductions in stormwater infrastructure expenses. Additionally, it supports water reuse and energy conservation efforts. As the risk of flooding escalates due to climate change—along with related insurance costs—the SBR plays a crucial role. It effectively stores water on the roof to moderate the flow of stormwater into municipal systems. Equipped with intelligent features, the SBR can autonomously manage drainage rates, maintain specific water volumes, and initiate emergency flushes to prepare for incoming storms, thanks to its integrated weather station, temperature probes, flow meters, and other advanced components.



An aerial view of Enviro-Stewards’ award-winning blue roof in action.

The SBR also enhances energy efficiency by using the stored water to cool buildings during hot weather, thereby reducing HVAC loading. Moreover, the system is designed to treat and store water for reuse; at the Enviro-Stewards office, for example, treated rainwater (filtered and UV purified) is utilized for flushing toilets. This system can be particularly beneficial in industrial settings, where the naturally soft rainwater can be reused for cleaning purposes, eliminating the need for water softening.

Based on the data provided by the blue roofs smart components, Enviro-Stewards calculates that its SBR has:

- Retained 100% of storm events
- Reduced air conditioning by 43%

- Reduced heating by 50%
- Reduced water consumption by 56%

Project leaders from Enviro-Stewards were amongst the 144 past and incoming Clean50 Honourees meeting this past Thursday at the “Clean50 Summit 14.0” in Toronto and spent the day amongst peers and colleagues tackling critical sustainability challenges facing Canada.

[Click here](#) to view the poster for this award-winning project.

About Enviro-Stewards Inc.

Since its inception in 2000, Enviro-Stewards has been at the forefront of integrating corporate sustainability into business operations. Our firm is dedicated to solving environmental challenges while enhancing economic outcomes for a broad spectrum of industries. Learn more about Enviro-Stewards Inc. and their smart blue roof at their head office at www.enviro-stewards.com/sustainable-solutions/blue-roofs/.

About Credit Valley Conservation

Credit Valley Conservation (CVC) is a local conservation authority established by the Ontario government in 1954 to protect, restore and enhance the natural environment of the Credit River Watershed. That watershed is the area of land where all rainfall, snowmelt and runoff drains ("sheds") into lands and waters flowing into the Credit River. CVC creates connections between people and nature, knowledge and action. It inspires a deep appreciation for the role of nature in keeping people connected, healthy and happy. CVC is a member of Conservation Ontario.

About Delta Management Group

Delta Management Group is the leading sustainability, ESG and clean tech focused search firm in Canada. Delta is proud to have founded the Canada's Clean50 Award program in 2011, and has been the primary sponsor for the past 13 years. Learn more about Delta Management at www.deltamanagement.com.

About Canada's Clean50

Canada's Clean50 annually offers recognition to Canada's leaders in sustainability for their contributions over the prior two years. The Clean50 Top Projects annually recognize those projects completed in the prior two years based on their innovation, their ability to inform, and inspire other Canadians. The Top Project of the year is then selected each year at the Clean50 Summit, from votes cast by both incoming and Alumni members of the Clean50. Learn more at www.clean50.com.

For more information, contact:

Bruce Taylor, Project Lead Engineer

Enviro-Stewards Inc.

btaylor@enviro-stewards.com

(519) 578-5100

Lloyd Hipel, Marketing & Communications

Enviro-Stewards Inc.

lhipel@enviro-stewards.com

(519) 578-5100