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From: [The Stormwater Report](#)

Sent: Thursday, October 4, 2018 2:20:54 PM

To: [sboynton@pwea.org](mailto:sboynton@pwea.org)

Subject: [The Stormwater Report](#): WEF Stormwater Institute announces 2018 MS4 Award winners

Sensitivity: Normal

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## **WEF Stormwater Institute announces 2018 MS4 Award winners**

On Monday, Oct. 1, 22 agencies received recognition by the fourth annual WEF National Municipal Stormwater and Green Infrastructure Awards Program. The winners received their awards at the Stormwater Congress Luncheon held at WEFTEC® 2018 in New Orleans.

[See the full list of which cities have found new and innovative ways to meet and exceed regulatory requirements in technically effective and financially efficient ways.](#)

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## **Green infrastructure limits flood risk, say insurers**

A new Insurance Bureau of Canada (IBC; Toronto, Ontario) report urges communities to consider green infrastructure to limit flood risk. IBC is the national industry association representing Canada's private home, auto, and business insurers. Its member companies make up 90% of the property and casualty insurance market in Canada.

The report, *Combatting Canada's Rising Flood Costs: Natural infrastructure is an underutilized option*, demonstrates how to quantify the benefits and costs of such green infrastructure features as ponds, wetlands and vegetated areas as a strong complement or a viable alternative to grey infrastructure for flood mitigation.

[The report provides a framework that includes an improved due-diligence process for the assessment and implementation of green infrastructure projects.](#)

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## **Satellite data helps volunteer group build rainwater systems for Middle-East schools**

To keep the water flowing, toilets flushing, and school doors open in the Middle East and North Africa, the Water Resources Action Project (WRAP; Washington, D.C.), a U.S.-based volunteer organization, has designed and built rain barrels and cisterns for schools since 2009.

However, from the other side of the world, it can be difficult to locate areas near schools that

would support reliable rainwater harvesting systems. That's why the WRAP partnered with a team from the U.S. National Aeronautics and Space Administration (NASA) DEVELOP program in 2016 to enlist satellite data as they consider where and what to build next.

[Find out how WRAP and NASA find the rainy spots that can make the most use of rain barrels and cisterns.](#)

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## Modified sand treats stormwater, protects groundwater

A research team from the University of California–Berkeley (UCB) is exploring how alternative water sources, such as stormwater, could be repurposed to help keep aquifers brimming.

Joseph Charbonnet, a UCB graduate student and the lead author of a study that recently appeared in the journal *Environmental Science & Technology*, claims that a new treatment medium made from chemically modified sand can help change the way California approaches both groundwater recharge and stormwater management.

[Charbonnet describes this passive, low-cost, non-invasive natural method of cleaning stormwater.](#)

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## U.S. EPA seeks input on regulatory approach for managing excess flows

The U.S. Environmental Protection Agency (EPA) will host three public listening sessions to seek input on a rulemaking effort aimed at providing certainty surrounding the management of peak wet weather flows at certain municipal wastewater treatment plants.

[Register to participate in the public listening sessions.](#)

Water Environment Federation | 601 Wythe Street, Alexandria, VA, 22314

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