

Archived: Wednesday, August 19, 2020 11:02:46 AM

From: [The Stormwater Report](#)

Sent: Thursday, August 6, 2020 12:18:06 PM

To: sboynton@pwea.org

Subject: Addressing tomorrow's stormwater challenges

Sensitivity: Normal



Redesigned Parking Lots Showcase Green Infrastructure, Protect Chesapeake Bay

For those aiming to improve stormwater management without hindering urban development, parking lots are often an easy target for green infrastructure. Over the past year, the WEF Stormwater Institute partnered with the U.S. Environmental Protection Agency and the Chesapeake Bay Trust to establish the Support for Innovative Approaches and Clean Water Technologies for Resilient Redevelopment grant program. The project provided free redesign services for two parking lots in the Chesapeake Bay watershed, creating state-of-the-art upgrade plans that reduce flood risks for lot owners and protect bay water quality while remaining useful for motorists. [Read more about how design engineers took advantage of site-specific characteristics to enhance stormwater management through green infrastructure.](#)

...



Increasing Dependence on Mountain Meltwater Could Threaten Lowland Agriculture

As global temperatures warm, the amount of water that melts and flows into lowlands from mountain snowpack is growing less predictable. Research demonstrates, for example, that runoff from the Sierra Nevada mountains in the western U.S. during early April each year has decreased by as much as 20% since the 1960s, a disparity projected to rise significantly in coming decades. Either by causing more winter precipitation to fall as rain than as snow or by causing snowpack to melt earlier, climate change directly affects

streamflow and water supplies in lowland communities. According to a new study published in July, as many as 1.5 billion people will depend on contributions from mountain meltwater in order to meet their water demands by 2050. [Learn more about which world regions are most sensitive to changes in meltwater patterns.](#)

...

Virtual Experiences Bring Stormwater Outreach to Life

Several organizations are embracing technology to create a new form of public outreach for the stormwater sector. Through interactive simulations, homeowners and financial decision-makers can experience the real-world benefits of flood-mitigation projects – as well as the potential costs of inaction – without risking lives and property. [A growing number of virtual experiences create personal connections to storm surge, disaster management, and green infrastructure.](#)

...



Registration for WEFTEC Connect Now Open

The virtual conference takes place Oct. 5-9, 2020. Register by Aug. 14 to take advantage of Super Saver rates.

[Register Today](#)

\$4.6 Billion Plan Aims to Limit Storm Surge Risks in South Florida

To protect Florida's largest population center, a crucial international trade hub, and habitats for countless rare and endangered wildlife species, the U.S. Army Corps of Engineers (ACE) is in the early stages of a nearly \$4.6 billion plan aimed at improving safeguards against storm surge in Miami-Dade County. In June, U.S. ACE released a 443-page feasibility report outlining the plan. [The plan calls for both structural and non-structural solutions, as well as retrofits and modifications to more than 5,000 buildings.](#)

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

www.wef.org

[FORWARD TO A FRIEND](#) [JOIN NOW](#) [PRIVACY POLICY](#)



This message was intended for sboynton@pwea.org | You were added to the system 2002-09-01
[Update your preferences](#) | [Unsubscribe](#)