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EPA Climate Change and Water News is a bi-weekly newsletter from the U.S. Environmental Protection Agency (EPA) Office of Water that covers climate change and water-related news from EPA, other U.S. Federal agencies, and partners. To learn more about climate change impacts on water resources, visit our website at: <http://www.epa.gov/water/climatechange>.

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EPA News

Upcoming EPA Green Infrastructure Webcasts – Today at 1:00 pm: “Getting More Green for your Stormwater Infrastructure”

The webcast, on May 5, 2015 from 1:00 to 2:30 p.m. eastern, will showcase different ways of measuring both cost savings and benefits related to green infrastructure practices. EPA staff and leading professionals from the field will discuss new research and case studies detailing successful approaches to valuing green infrastructure. This is part of EPA's 2015 Green Infrastructure Webcast Series.

Click [here to register for today's webcast and see upcoming webcasts.](#)

Click [here to visit the EPA Green Infrastructure website.](#)

EPA's Mid-Atlantic Regional Office Releases Integrated Green Stormwater Infrastructure Guide

EPA's Mid-Atlantic Regional Office has released a publication titled: “Community Based Public-Private-Partnerships (CB3) and Alternative Market-Based Tools for Integrated Green Stormwater Infrastructure: A Guide for Local Governments.” This guide comes out of a multi-year effort to identify tools to help Mid-Atlantic communities address their water quality challenges through faster, cheaper, and greener methods. This report introduces the Community-Based Public-Private Partnership approach as a flexible, performance-based platform for implementing affordable, integrated green stormwater infrastructure to meet a variety of regulatory and community needs.

Click [here to download the PDF version of this document.](#)

EPA Announces 2015 Campus RainWorks Challenge Winners

On Earth Day 2015, EPA announced the winners of its Campus RainWorks Challenge, a design competition to engage college and university students in reinventing water infrastructure. Student teams proposed innovative green infrastructure designs to reduce stormwater pollution and develop sustainable communities. More than 60 teams participated, and four winners were chosen: University of Illinois at Chicago; University of Maryland, College Park; University of Illinois at Urbana-Champaign; and Queens College, City University of New York. The winning designs proposed innovative additions to their respective campuses that would reduce stormwater impacts while providing educational and recreational opportunities.

Click [here to learn more about the challenge and winners.](#)

EPA's Climate Ready Water Utilities Initiative Announces 2015 Extreme Events Workshop and Coastal Resilience Training Series

EPA's Climate Ready Water Utilities (CRWU) Initiative is offering workshops for drinking water, wastewater, and stormwater utilities that focuses on understanding and adapting to challenges from extreme events, featuring training on the Climate Resilience Evaluation and Awareness Tool (CREAT).

Extreme Events & Climate Adaptation Planning Workshops for the Water Utility Sector

- June 3-4: Pueblo of Santa Ana, New Mexico
- June 23-24: Portland, Oregon
- July 14-15: Des Moines, Iowa

The Climate Ready Water Utilities Initiative is also offering a series of trainings for water sector technical assistance providers. This training will focus on how to support utilities in understanding and adapting to impacts from coastal storm events and related threats using two new EPA tools: the Climate Resilience Evaluation and Awareness Tools (CREAT) Version 3.0 and the Storm Surge Inundation and Hurricane Strike Frequency Map

Coastal Resilience for the Water Sector: Training for Technical Assistance Providers

- June 16-17: Boca Raton, Florida
- June 22-23: Houston, Texas

- June 25-26: Mobile, Alabama
- July 21-22: West Babylon, New York

Other Federal News

U.S. Global Change Research Program Seeks Public Comment on Draft Climate and Health Assessment Report

The U.S. Global Change Research Program (USGCRP) is seeking public comments to its draft report, “The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment.” The draft report assesses the observed and projected impacts of climate change on human health in the United States, with a particular focus on where impacts can be quantified. This draft assessment was developed by the Interagency Group on Climate Change and Human Health, a USGCRP working group, with EPA playing a coordinating role. Each chapter of the draft assessment summarizes the scientific literature on specific climate change-related health outcomes or exposures important to health. Individual chapters include: Water-Related Illness, Extreme Weather, and others. All comments must be submitted by 12:00 EDT on June 8, 2015.

Click [here to access the draft report and submit comments.](#)

USDA Releases Fact Sheet on Framework for Building Blocks for Climate Smart Agriculture & Forestry

The U.S. Department of Agriculture is announcing a comprehensive and detailed approach to support farmers, ranchers, and forest land owners in their response to climate change. The framework consists of 10 building blocks that span a range of technologies and practices to reduce greenhouse gas emissions, increase carbon storage, and generate clean renewable energy. USDA’s strategy focuses on climate-smart practices designed for working production systems that provide multiple economic and environmental benefits in addition to supporting resilience to extreme weather, reduced emissions and increased carbon storage. Some of these climate-smart practices are also aimed to improve water quality, the health of critical watersheds, and to reduce stormwater runoff.

Click [here to read the Fact Sheet.](#)

NOAA Study Finds Marshes, Reefs, Beaches Can Enhance Coastal Resilience

This study highlights strengths and weaknesses of the coastal protection benefits provided by built infrastructure, natural ecosystems, and the innovative opportunities to combine the two into hybrid approaches for coastal protection. The study also examines cases where hybrid approaches are being implemented to improve coastal resilience as well as some of the policy challenges that can make implementation of these approaches more difficult. The study highlights top priorities for research, investment in, and application of natural and hybrid approaches. This data is critical to facilitate adoption of these approaches in planning and decision-making at all levels to enhance the resilience of our coasts.

Click [here to access the study.](#)

Pacific Islands Climate Science Center Project Estimates the Future Flow of Freshwater Streams in Hawai’i

Researchers for a Pacific Islands Climate Science Center-funded project are developing statistical methods to assess the impacts of climate change on the flow of streams on the main Hawaiian Islands, using high-resolution projected climate information from the International Pacific Research Center. The objectives of this study are to estimate baseline and future low-flow characteristics of ungauged streams in Hawai’i and quantify changes in physical habitat for native stream fauna associated with projected changes in low flows.

Click [here to learn more about the project.](#)

Other News

Hydrologic Impacts Under Climate Change Online Course to be Held June 23-25

The COMET Program and the Climate Change and Water Working Group (CCAWWG) announce the second virtual course on "Hydrologic Impacts Under Climate Change" (HIUCC). The 3-day, instructor-led, online course is being developed with financial support from the Bureau of Reclamation. The HIUCC course is part of the Professional Development Series, "Assessing Natural Systems Impacts under Climate Change." The course will take place June 23-25, 2015.

Click [here for more information and to register for the course.](#)

Upcoming Webinars, Conferences and Trainings

For a calendar of climate change and water-related trainings, conferences, and webinars, visit:

<http://water.epa.gov/scitech/climatechange/Calendar-of-Events.cfm>.

This newsletter is produced by the U.S. Environmental Protection Agency, Office of Water (EPA). If you have questions related to the newsletter or want to submit an item, email the editor at water_climate_change@epa.gov. For past issues of EPA Climate Change and Water News, as well as further information on climate change impacts on water resources, visit www.epa.gov/water/climatechange. For more information on EPA's climate change activities, visit www.epa.gov/climatechange. To unsubscribe to this newsletter, send a blank email to [Unsubscribe](#).