



October 26, 2015

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: <http://www2.epa.gov/climate-change-water-sector>.

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EPA News

EPA Highlights State Water Agencies' Innovative Practices to Reduce Vulnerability to Climate Change Impacts

EPA is highlighting innovative practices of state water agencies to reduce vulnerability to climate change impacts. These state practices can be a resource for other state agencies, as well as local and tribal governments, seeking to engage in climate adaptation efforts within their own water programs. EPA intends to identify additional best practices over time to help sustain collaboration and sharing of information across state water agencies.

[View the state practices.](#)

Gulf and Atlantic Coasts Experience King Tides This Week Associated Full Moon October 27

The king tide is the highest predicted high tide of the year at a coastal location. This year, the main Atlantic/Gulf Coast king tide date is associated with the full moon on October 27. Sea level rise will make today's king tides become the future's everyday tides. EPA's Climate Ready Estuaries Program is encouraging people to take pictures of king tides in their communities and submit them to the King Tides Project, whose website contains tips on photographing a king tide.

[Learn more about king tides and climate change.](#)

[Find out when Atlantic and Gulf of Mexico king tides will arrive and how high they will be.](#)

[Submit your king tide photos here.](#)

EPA Awards 2015 WaterSense Partners

EPA announces the 2015 WaterSense award winners for creating, rebating, communicating, and educating consumers about WaterSense-labeled products, homes, and programs. These 17 winners and more than 1,700 other WaterSense partners have helped Americans save 1.1 trillion gallons of water and \$21.7 billion in water and energy bills since 2006. WaterSense announced the 2015 Sustained Excellence Award winners, Partners of the Year, and Excellence Award winners at the recent WaterSmart Innovations Conference and Exposition in Las Vegas, Nevada.

[Learn more about the award winners.](#)

Webcast on Winter Operations and Maintenance for Green Infrastructure: November 3

EPA will host a webcast on November 3, 2015, 1:00 - 2:30 p.m. eastern on Winter Operations and Maintenance for Green Infrastructure. Operations and maintenance are critical to green infrastructure's long-term effectiveness. Wet weather in colder climates often presents maintenance challenges -- from snow, sediment and salt to storage and drainage. This webcast will feature presentations from the University of New Hampshire Stormwater Center and the Minnesota Pollution Control Agency.

[Register and learn more about the 2015 EPA Green Infrastructure Webcast Series.](#)

EPA Honors 2015 Green Power Leaders

EPA announces its annual Green Power Leadership Awards, recognizing 22 Green Power Partners and three renewable energy suppliers across the country for achievements in advancing the nation's renewable energy market and reducing greenhouse gas emissions that contribute to climate change. The winners include several partners that demonstrated innovative approaches to energy/water efficiency among others.

[View the press release.](#)

[Learn more about the 2015 Green Power Leadership Award Winners.](#)

Other Federal News

NOAA Online Map Update Offers Improved Coastal Observations and Forecasts

NOAA has upgraded nowCOAST, a GIS-based online map service providing more frequently updated ocean observations along with coastal and marine weather forecasts. The new version offers a visual point-and-click access to 60 NOAA data products and services. The original 2003 version provided the public with information on the latest observed and predicted coastal weather, marine weather, and oceanographic and river conditions. The updated map viewer allows users to animate observations for the past four hours and forecasts for the next seven days. It also adds significant data from NOAA's National Ocean Service and National Weather Service, including watches, warnings and advisories for hazardous marine weather conditions, and provides near-real-time lightning strike density data for land and over water. NowCOAST is an ArcGIS-based web mapping application.

[View the press release.](#)

[Access the tool: nowCOAST.](#)

New Federal Toolkit Provides Guidance for Citizen Science Programs

The recent Open Science and Innovation Forum at the White House launched the release of the Federal Crowdsourcing and Citizen Science Toolkit. The Toolkit provides guidance for federal agencies to design, carry out, and manage citizen science projects.

[Learn more about the new toolkit.](#)

USDA Climate Hubs Announce Hiring Opportunity for Fellows Program; Deadline: November 20

The USDA Climate Hubs were established in February 2014 to develop and deliver science-based, region-specific information and technologies, with USDA agencies and partners, to agricultural and natural resource managers that enable climate-informed decision-making, and to provide access to assistance to implement those decisions. The Climate Hubs are not a research program per se, but translate science through tool development and science synthesis into forms that are useful to partners such as farmers, ranchers, and forest land managers. The Hubs are hiring for their fellows program. Fellows from this program will obtain experience developing on-the-ground solutions for vulnerabilities faced by operational land managers and learn to work with established research and outreach communities.

[Learn more about the opportunity.](#)

Other News

Framework for Direct Potable Reuse Released

Prolonged and severe droughts have made water supplies increasingly scarce in the Southwest, and other regions of the U.S., and around the world. In this context, interest exists in water reuse and potable water reuse. A framework document has been developed by a panel of experts to provide information on the value of direct potable reuse (DPR) as a water supply option and what is needed to implement a DPR program. DPR involves state-of-the-art advanced water treatment technologies, like membranes, reverse osmosis, and advanced oxidation, to remove viruses, bacteria, chemicals, and other contaminants that may be present in wastewater. Although these advanced technologies have been proven to produce water that meets all drinking water standards, regulations and guidance on DPR do not yet exist in the U.S. Until guidelines and regulations are prepared, this document can serve as a resource to municipalities, utilities, and agencies in implementing DPR programs to augment community water supplies. Developed by WateReuse, American Water Works Association, and Water Environment Federation.

[Download the report and learn more.](#)

Upcoming Webinars, Conferences and Training

[Click here for a calendar of climate change and water-related trainings, conferences, and webinars.](#)

This newsletter is produced by the U.S. Environmental Protection Agency, Office of Water (EPA). For questions related to the newsletter or 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 <http://www2.epa.gov/climate-change-water-sector>.